# Oracle<sup>®</sup> MICROS Simphony First Edition Documentation Library





Oracle® MICROS Simphony First Edition Documentation Library Release 1.8.1.x

F22930-05

Copyright © 2007, 2021, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

## Contents

Preface	vii
1 Configuration Scanning Utility	1-1
Purpose Using the Configuration Scanning Utility Results Tab	1-1 1-1 1-6
2 Simphony First Edition Web Portal	2-1
Accessing and Starting the SFEWP Installing a Remote EMC Using the SFEWP Downloading the CAL Win32 Setup File	2-1 2-2 2-5
3 PMS Interfaces	3-1
Configuring a PMS Interface About the OPERA PMS Interface Configuring the OPERA PMS Interface	3-5 3-7 3-8
4 Managing System Interface Module (SIM) Scripts	4-1
Assigning SIM Scripts Access Privileges Configuring the SIM Scripts Module SIM Migration Utility PMC SIM File Tab	4-2 4-2 4-7 4-11
5 Descriptors	5-1
Reasons Headers/Trailers Miscellaneous Groups SLU Names Itemizers Module Availability	5-1 5-2 5-3 5-3 5-3 5-3 5-3 5-4
6 Guest Check Headers and Trailers	6-1
EMC Configuration Logo Printing	6-1 6-2
7 Business Day	7-1
Start of Day	7-1



8 Payment and Currency	8-1
Understanding Credit Card Drivers Understanding Credit Card Merchant Groups Understanding Credit Card Preambles	8-1 8-2 8-5
9 Tax Classes	9-1
EMC Configuration Examples	9-1 9-2
10 Canadian Goods and Services Tax (GST)	10-1
Overview EMC Configuration	10-1 10-1
11 Combo Meals	11-1
Understanding Combo Meals Understanding Combo Meal Groups Understanding Combo Meal Pricing Configuring Combo Meals Creating Combo Meals Performing Other Combo Meal Functions	11-1 11-1 11-2 11-3 11-10 11-12
12 Gift and Loyalty Programs	12-1
Understanding Loyalty Programs Understanding Stored Value Programs Configuring a Gift and Loyalty Interface Configuring the Stored Value Cards Module for a Revenue Center Configuring Employees Configuring a Gift and Loyalty User Interface Touchscreen Using Loyalty and Stored Value Cards at the POS	12-1 12-2 12-3 12-6 12-9 12-10
13 Menu Item Waste	13-1
Understanding Menu Item Waste Checks Configuring Menu Item Waste Using Menu Item Waste Checks	13-1 13-2 13-3
14 Printers	14-1
Prerequisites for an Oracle MICROS KW270 WS and Epson TM-P60II Printer Configuring an Epson TM-P60II Printer on the Oracle MICROS KW270 WS Prerequisites for PMC Reports on the Oracle MICROS KW270 Workstation Configuring PMC Reports for the Oracle MICROS KW270 Workstation Printing PMC Reports from the Oracle MICROS KW270 Workstation	14-1 14-1 14-2 14-2 14-3

15 Peripheral Devices	15-1
Fingerprint Scanning Configuring the DigitalPersona CAL Package Deployment Configuring the EMC Message Handler	15-1 15-3 15-3
Configuring the Fingerprint Redder for Use with a Workstation	15-4
Managing POS Workstation USB Ports and Peripheral Devices	15-4
Configuring Employee Privileges for Enabling and Disabling USB Ports	15-5
Configuring the Enabling / Disabling of USB Ports on Workstations	15-5
Adding a Peripheral USB Device to Workstations	15-8
ViVOpay 4800 RFID Card Reader Setup	15-10
16 Kitchen Display System (KDS)	16-1
Understanding KDS Controllers	16-1
KDS Setup for a Microsoft Windows 32 Client	16-1
17 Order Receipts	17-1
Configuring Headers and Trailers for Printer Order Devices	17-1
18 Transaction Services	18-1
Understanding Transaction Services	18-1
Configuring the Transaction Services Workstation Client	18-1
Configuring the Transaction Services Default Employee	18-2
Configuring the Transaction Services Revenue Center	18-2
Authorizing Installation	18-2
Installing Transaction Services	18-3
Verifying the Transaction Services Installation	18-4
Upgrading Transaction Services	18-5
Uninstalling Transaction Services	10-0 18-5
Using mansaction Services	10-5
19 Importing and Exporting Data	19-1
20 Workstations	20-1
Workstation Status/Control	20-1
Workstation Status	20-1
Timer and Status Fields	20-5
workstation Status Page	20-5
Accessing Files on Workstations	20-6
Furging workstation Status/Control Data	∠U-8
Configuring the POSReady2009 Workstation as a Service Host	20-8 20-9
21 Workstation Touchscreens	21-1
	<u> </u>



Understanding Touchscreens	21-1
Touchscreen Bitmaps	21-3
Touchscreen Templates	21-5
Default Sign In Touchscreen	21-6
Default Transaction Touchscreen	21-6
Touchscreen Function Keys	21-9
Screen Look Up (SLU)	21-22
22 License Configuration	22-1
Configuring the Licensing Count	22-1
Viewing Enterprise Information	22-2
23 Audit Trail	23-1
Understanding the Audit Trail	23-1
Understanding Audit This Record	23-6
24 Reports	24-1
EMC Reports	24-1
Property Management Console (PMC) Reports	24-6
Reporting and Analytics	24-15
25 Service Host	25-1
Service Host Status Module	25-1

# Preface

#### Purpose

This document describes how to use Simphony First Edition version 1.8 features and functionality.

#### Audience

This document is intended for administrators and end users of Simphony First Edition version 1.8.

#### **Customer Support**

To contact Oracle Customer Support, access My Oracle Support at the following URL:

#### https://support.oracle.com

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received and any associated log files
- Screenshots of each step you take

#### Documentation

Product documentation is available on the Oracle Help Center at http://docs.oracle.com/en/industries/food-beverage/

#### **Revision History**

Date	Description of Change	
November 2015	Initial publication (Simphony FE 1.7)	
September 2016	Updated features for v1.7.1	
October 2016	Updated MasterCard preamble ranges	
May 2017	<ul> <li>Added instructions for configuring business Stat of Day (SOD)</li> <li>Updated the Reports chapter</li> </ul>	
June 2017	<ul> <li>Added the Audit Trail chapter</li> <li>Added instructions for configuring a VisaD credit card driver</li> <li>Updated the Workstations chapter</li> <li>Added the Workstation Touchscreen chapter</li> </ul>	



Date	Description of Change
August 2017	<ul> <li>Added instructions for configuring a Microsoft Windows 32 client as a KDS</li> <li>Updated the Business Day chapter</li> </ul>
September 2017	<ul> <li>Added a chapter named Descriptors that reviews descriptor configuration</li> <li>Added a chapter named Guest Check Headers and Trailers and included content about configuring logo printing</li> <li>Added content about touchscreen bitmaps to the Workstation Touchscreens chapter</li> </ul>
October 2017	Added the Tax Classes and Canadian Goods and Services Tax (GST) chapters
July 2018	Added Employee Permission Report content to the Reports chapter
January 2020	<ul> <li>Initial publication (Simphony FE 1.8). Updated the product name on the cover page</li> <li>Added Chapter 1: Configuration Scanning Utility</li> <li>Added Chapter 2: Simphony FE Web Portal</li> <li>Added Chapter 3: Managing System Interface Module (SIM) Scripts</li> <li>Added the Configuring the POSReady2009 Workstation as a Service Host topic to Chapter 19</li> </ul>
February 2020	Added content regarding the Service Host Status module to Chapter 24: Service Host
July 2020	Added ViVOpay 4800 RFID Reader content to Chapter 14 - Peripheral Devices
August 2020	<ul> <li>Added Chapter 3: PMS Interfaces</li> <li>Added Chapter 20: Workstation Status/Control</li> </ul>
February 2021	Updated Chapter 4: Managing System Interface Module (SIM) Scripts, specifically the SIM Migration Utility topic.



# 1 Configuration Scanning Utility

### Purpose

The Configuration Scanning Utility is meant to detect and validate your system's security settings such as firewall port configurations, Internet Information Services (IIS) connectivity information, application server file integrity, inactive user accounts, the assignment of strong access passwords, and encryption key rotation tracking.

All actions taken during the use of the Configuration Scanning Utility are tracked and searchable using the Audit Trail module.

### Using the Configuration Scanning Utility

To access the Configuration Scanning Utility, you must work from the Simphony First Edition application server and have Enterprise Management Console (EMC) access privileges assigned to you. To use the utility:

- Navigate using Microsoft Windows Explorer to the [Installation Drive Letter]:\Micros\Simphony\Tools folder and double-click the ConfigurationUtility.exe file.
- 2. Enter your EMC logon credentials to open the utility.

When the utility is opened, there is a navigational tree that lists all of the scan tasks. Basically, each time the **Scan** button is clicked, all of the available tasks are scanned. Once the scan is complete, click the tab that represents the category whose results you wish to review in more detail.

Every time the **Scan** button is clicked, a counter is started that provides the elapsed time it takes to complete each scan. Each scan's elapsed time is visible on the lower toolbar of the utility.

m		Configuration S	canning Utility	_ <b>_</b> X
Configuration Utility     Communication     Firewall Check     Application Integrity Check     Check Institute User Accounts     Check nactive User Accounts     Check nactive User Accounts     Encryption Status     EncryptionKey Status	Communication File Integrity	Veer Accounts Encry Port Name	Status	
				Remove PortManage Port
	0:32 Sec Elaps	ed - 0:32		Scan Exit

Figure 1-1 Communications Tab - Firewall Check Scan Results

### Communication Scan Tasks

#### **Firewall Check**

The Firewall Check scans all of the open ports allowed by the firewall, and shows their current status in reference to being secure or not. If no firewall has been implemented for your system's network, the utility shows an empty screen as shown in Figure 1-1. If firewall settings are configured for the network, the Firewall Check window shows:

- Port Number
  - The port number that was assigned upon firewall setup
- Port Name

The name of the port

- Status
  - o Secure (https) ports show a green check mark icon
  - o Non-secure (http) ports show a triangle warning icon

There are two buttons available to assist in managing the system's port settings. They are:

Remove Port

You can highlight the port that you want to remove, and then click the **Remove Port** button. Immediately after clicking the Remove Port button, click the **Scan** button to remove the deleted port from the system. If you fail to re-scan the ports, the utility's screen does not refresh.

Manage Port

You can add a new port to your firewall by clicking the **Manage Port** button. This initiates the Microsoft Windows Firewall with Advanced Security window where you can click **New Rule...** under the **Actions**, **Inbound Rules** section, and configure your new port using the New Inbound Rule Wizard.

#### **IIS Check**

The IIS Check scans all of the hosts and shows each of the hosts IIS connections, and their current status in reference to being secure or not. If no Firewall has been implemented for your system's network, to view the IIS Check results, click the **Communication** tab and then click the **IIS Check** task on the navigational tree.

m		Con	figuration Scanning Utility			- 🗆 X
Configuration Utility	Communication	File Integrity User A	ccounts Encryption Status Result	Status	[	
	Simphor	ואר		- Clarine		
-? File Validation ? User Accounts		Host Protocol	<h0st_name> http</h0st_name>	A	Non-Https Protocol	
Check Inactive User Accounts     Check password Compliance		Port No.	8080			=
? Encryption Status		Host	<h0st_name></h0st_name>			
····· ? EncryptionKey Status		Protocol Port No	https 443	1		
		Egateway URL Society Egsterius	http://HOST_NAME_SERVER_URL:8080/EGateway	1		~
	0:32 See	Elapsed - 0	:33		Scan	Exit

Figure 1-2 Communication Tab - IIS Check Scan Results

The IIS Check scans all of the hosts and shows each of the hosts IIS connections, and their current status in reference to being secure or not. The IIS Check window columns show:

- Site
   Simphony site name
- Parameter

Categorizes and provides the following labels for the corresponding Value column content:

- o Host
- o Protocol
- o Port No.
- o EGateway URL
- Secure EGateway URL
- Value
  - Host Name of the IIS host
  - o Protocol Identifies non-secure (http) or secure (https) communications
  - Port No. The port number used by the host
  - EGateway URL URL used to connect to the Simphony application server
  - Secure EGateway URL Secure URL used to connect to the Simphony application server
- Status
  - Secure (https) network connections show a green check mark icon
  - o Non-secure (http) network connections show a triangle warning icon

### File Integrity Scan Tasks

The File Integrity tab is associated with the **Application Integrity Check** and **File Validation** tasks located on the navigational tree. Scans are run against all of the files located in the Simphony First Edition application server's installation folder, for example [Installation Drive Letter]:\Micros\Simphony\, and shows their current status.

The scan is meant to validate:

- All expected files are where they are supposed to be
- Identifies files that have been edited, modified, or renamed
- Identifies any missing files
- Identifies application generated files
- Identifies invalid files

? Configuration Utility	Communication File Integrity User Accounts Encryption Status Result			
Communication	FileName	Result	Status	DigitalSi /
IIS Check	C:\Micros\Simphony\ServiceHost.xml	Danger - Invalid Entries	X	X
Application Integrity Check	C:\Micros\Simphony\ClassicCalSrv\CALSrv.exe	Valid	1	1
File Validation	C:\Micros\Simphony\ClassicCalSrv\setBaseDir.reg	Valid	1	X
User Accounts	C:\Micros\Simphony\ClassicCalSrv\setBaseDir64.reg	Valid	1	x
Check Inactive User Accounts	C:\Micros\Simphony\ClassicCalSrv\McrsCALConfig.dll	Valid	1	1
Check password Compliance	C:\Micros\Simphony\ClassicCalSrv\McrsCALNet.dll	Valid	1	1
-? Encryption Status	C:\Micros\Simphony\ClassicCalSrv\McrsCALReg.dll	Valid	1	1
🛛 🗶 EncryptionKey Status	C:\Micros\Simphony\ClassicCalSrv\McrsCALUtils.dll	Valid	1	1
	C:\Micros\Simphony\ClassicCalSrv\McrsPlatform.dll	Valid	1	1
	C:\Micros\Simphony\ClassicCalSrv\mfc71u.dll	Valid	1	x
	C:\Micros\Simphony\DirectPostingService\CGwDataTypes.dll	Valid	1	1
	C:\Micros\Simphony\DirectPostingService\DirectPostingService.exe	Valid	1	1
	C:\Micros\Simphony\DirectPostingService\EGatewayDefs.dll	Valid	1	<ul> <li>V</li> <li>V</li> </ul>
	<		-	>

Figure 1-3 File Integrity Tab - Application Integrity Check Scan Results

Scan results show the location of the scanned files, the file names, the version number of the files, and if applicable, digital signature details.

The File Integrity window columns show:

• File Name

Shows the file names and their location on the application server.

Result

Indicates the status of the file's integrity in text form. If after running a scan, a file is shown to be invalid, for example the **Result** column shows Danger- Invalid Entries, or Warning -Missing File, then you can take the appropriate action and research why a file may have been modified, renamed, or removed from the Simphony First Edition application server.

• Status

Shows icons that represent the scan results for each of the listed files.

The following icons correspond to the text entries in the Result column:

Results Text	lcon
Valid	
Danger - Invalid Entries	×
Application Generated file	?
Error - File Integrity Failed	X
Warning - File Missing	<u>A</u>

Table 1-1 File Integrity Results Key

#### Digital Signature

Indicates that a file has a digital signature associated with it, or not.

Table 1-2 Di	gital Signature	e Results Key
--------------	-----------------	---------------

Results Text	lcon
Valid Digital Signature Present	$\checkmark$
No Digital Signature Present	×

### User Accounts Scan Tasks

The User Accounts tab is associated with the **Check Inactive User Accounts** and **Check Password Compliance** tasks located on the navigational tree. From here, you can run a scan to list all employees and show their active or inactive status on the system. You can also run a scan to show if anyone's password falls short of meeting secure password complexity standards.

		C	onfiguration Scar	ning Utility		- 🗆 X
Configuration Utility	Communica	ation File Integrity Us	er Accounts Encryption	n Status   Result		
Communication     Firewall Check	Emp ID	Name	EMC UserName	Result	Status	 
	8	First Last	example	Active	1	
Application Integrity Check	9	District Manager		InActive	<u>A</u>	
File Validation	10	Cashier		Active	1	
User Accounts						
Check Inactive User Accounts						
<ul> <li>Provide Compliance</li> <li>Provide Compliance</li> <li>Provide Compliance</li> </ul>						
EncryptionKey Status						
						-
						=
	J					× 1
2:09 Sec Elapsed - 2:10 Scan Exit						

Figure 1-4 - User Accounts Tab - Check Inactive User Accounts Results

The User Accounts window columns show:

• Emp ID

Shows the entry for each employee's ID number as configured in the Employee module in the General Settings section.

Name

Shows the employee's first and last name as entered in the Employee module in the Employee Record section.

• EMC User Name

Shows the entry for each employee's User Name as configured in the Employee module in the EMC Login section.

- Result
  - For the **Check Inactive User Accounts** scan Shows an **Inactive** entry for all of the currently inactive employee's entered in the Employee module.
  - For the Check Password Compliance scan Shows a No EMC User or No Password entry for each listed employee.
- Status
  - For the **Check Inactive User Accounts** scan -Shows a warning icon indicating that the listed employees are inactive on the system.
  - For the Check Password Compliance scan Shows a warning icon for the listed employees in reference to their current password setting on the system.

### **Encryption Status Scan Task**

This scan performs a check of the system's encryption key status. Based on the last key rotation operation, the scan results appear. If the key rotation operation exceeds the 365

day threshold, or has not yet been performed, then the generated result of X Key not Found appears.

Configuration Scanning Utility		
Configuration Utility     Communication     Firevall Check     IIS Check     Application Integrity Check     File Validation     User Accounts     Check Inactive User Accounts     Check password Compliance     Encryption Status     EncryptionKey Status	Communication         File Integrity         User Accounts         Encryption Status         Result           Encryption Status         Data Encryption Key Status         X Key not Found         Encryption Key Elapsed Status         N/A	
	0:06 Sec Elapsed - 0:06 Scan	Exit

Figure 1-5 - Encryption Status Tab - Encryption Key Status Results

If the system's key rotation has already been performed, and does not exceed the 365 day threshold, then scan results appear as shown below:

Data Encryption Key Status	Default Key Found
Encryption Key Elapsed State	<b>X Days Ago</b> (where X = number of days)

### **Results Tab**

When you click the **Result** tab, it shows what amounts to a log entry, which includes the starting and completion of each scan task. It also provides scan results information and a brief synopsis of the status of each scan job.

# 2 Simphony First Edition Web Portal

The Simphony First Edition Web Portal (SFEWP) assists with:

- Installing remote Enterprise Management Console (EMC) clients
- Providing a method for downloading the Client Application Loader (CAL) setup file for devices running a Microsoft Windows operating system (for Win32 devices only)

### Accessing and Starting the SFEWP

To access the SFEWP, you need to have EMC access privileges enabled, and then you can sign in using your EMC logon credentials. The SFEWP can be accessed from any computer on the same network as the Simphony First Edition application server.

- Open any web browser and enter the following address: https://[SimphonyFEApplicationServerName]/SimFEWebPortal.
- 2. Enter your EMC User Name and Password, and then click Sign In.

User Name Password	
Password	
Sign In	

Figure 2-1 - SFEWP Logon Screen

3. On the Welcome to Simphony page, click the **Downloads** tab.



Figure 2-2 - SFEWP Welcome Screen

### Installing a Remote EMC Using the SFEWP

The SFEWP is replacing the legacy remote EMC AppLoader utility.

During subsequent upgrades to Simphony FE 1.8, all remote EMC clients are selfupdated with the same versions of files that are updated on the Simphony First Edition application server.

### **NOTE**:

When performing upgrades from versions prior to the Simphony First Edition 1.8 release, it is required that before installing the Simphony First Edition 1.8 remote EMC Client files, you must first uninstall the legacy remote EMC Client files from each current remote EMC client.

### Uninstalling Legacy Remote EMC Clients and Files

To uninstall legacy remote EMC Clients, access each current remote EMC client and:

- 1. Access the Microsoft Windows **Control Panel** (depending on your Control Panel display settings), access (**Programs**) or **Programs and Features**, and then click on the **EMCClient** program.
- 2. Once highlighted, click the Uninstall option.
- 3. When the EMCClient program uninstall is complete, using **Microsoft Windows Explorer** (or **File Explorer**), navigate to the remote EMC client's installation directory, and manually delete the entire **Micros** folder, including all of its sub-folders and files. The default installation location of remote EMC client files is C:\Micros\.
- 4. Once completed, you are ready to install the latest remote EMC Client program.

### Installing a Remote EMC Client

To install a remote EMC client, access each computer you want to install the remote EMC client:

- 1. Open an internet browser and log onto the SFEWP, and from the Welcome screen, select the **Downloads** tab.
- 2. The CAL (Windows) button is selected by default, so click the EMC button.

ORACLE		
Home	Downloads	
Downloads		
CAL (Windows)		
Download		

#### Figure 2-3 - Downloads Tab / EMC Button

- Click the **Download** button.
   There are a few options available to you:
- You can immediately initiate the EMC client installation by clicking Run.
- You can store the **EMCSetup.exe** file by clicking **Save**. This installation file can be stored in a location of your choice, to be installed at a time of your choosing.
- You can both save and immediately run the installation file by clicking **Save and run**.
- 4. To install the remote EMC client, double-click the **EMCSetup.exe** file. The installation wizard opens, so then click **Next**.

EM	CClient - InstallShield Wizard	X
	Welcome to the InstallShield Wizard for EMCClient The InstallShield Wizard will install EMCClient on your computer. To continue, click Next.	
	< Back Next > Cancel	

#### Figure 2-4 - EMC Client Installation Wizard

5. The default installation location of the remote EMC client files is C:\Micros\EMC. You can select another drive location to install the remote EMC files by clicking the **Change...** button, and then click **Next**.

	EMCClient - InstallShield Wizar	rd 🗶
Choose D Select fo	Destination Location Dider where setup will install files.	Z
	Install EMCClient to: C: \Micros\EMC	Change
InstallShield -	< Back	Next > Cancel

Figure 2-5 - EMCClient Installation Files Destination Location

- 6. Click Install.
- 7. When the installation has completed, click **Finish**.

EMCClient - InstallShield Wizard		
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed EMCClient. Click Finish to exit the wizard.	
	< Back Finish Cancel	

Figure 2-6 - EMCClient Installation Completion

8. When the installation has completed, a new EMC icon is placed on your computer's desktop.



#### Figure 2-7 - EMC Desktop Icon

9. Double-click the **EMC desktop icon**, enter your EMC logon credentials, and the EMC opens.

### Downloading the CAL Win32 Setup File

To download the CAL setup file:

- 1. Access the computer from where you want to perform the download.
- 2. Open an internet browser and log onto the SFEWP. From the Welcome screen, click the **Downloads** tab.
- 3. Click the EMC button, and then click Download.
- 4. There are a number options available to you depending on your browser:
- You can immediately execute the CAL setup file by clicking Run.
- You could also store the **setup.exe** file by clicking **Save**. This files can be stored in a location of your choice, to be accessed later, at a time of your choosing.
- You can both save and immediately run the installation file by clicking **Save and run**.
- 5. You can install CAL on either Oracle MICROS workstations or on supported thirdparty workstations in two ways:
  - a. If your workstation has network connectivity to the Simphony First Edition application server, and has internet access, you can access the SFEWP, download the file, and then initiate the installation of CAL.



- **b.** An alternate method would be to copy the CAL setup file onto a portable storage device, for example a USB thumb drive. Then connect the USB thumb drive to a Win32 workstation and navigate to and manually execute the CAL setup program directly from the USB device.
- 6. Regardless of the method used to access the CAL setup install file, when you double-click the **setup.exe**, an installation wizard program installs CAL that can then be configured using the usual CAL setup steps.

ORACLE   MICROS CAL - Enter CAL Server		
Server Name:		
Server IP/URL :		
POS Type:	~	
CAL Enabled: 🗹		
<u>C</u> ancel	<u>N</u> ext >>	
<u>S</u> how Keyboard		

Figure 2-8 - CAL Configuration Window

# PMS Interfaces

This chapter reviews most interface configuration settings and primarily focuses on creating a Property Management System (PMS) interface.

Interfaces is an Enterprise level module that enables you to establish communication between Simphony First Edition (FE) and peripheral systems. Simphony FE can communicate with up to eight peripheral systems per revenue center, and 255 per enterprise. More than one revenue center can access the same interface and an interface can serve one or more properties, given that each property can communicate with the service host running the interface.

Assigning interfaces to Service Hosts creates the interface service. Interfaces run as a web service within IIS (Microsoft Windows 32-bit and Microsoft Windows 64-bit workstations) or a web server (Microsoft Windows CE workstation). In Simphony FE, you can have multiple application servers and an interface can run from any of them as well as from any workstation with web server or IIS installed.

### Supported Communication Methods

Communication can be established using either of the following two methods:

- 1. A TCP interface to communicate through the system's LAN or WAN for service hosts with a Fully Qualified Domain Name (FQDN).
- 2. An asynchronous serial interface also referred to as a TTY interface to communicate through a COM port on the service host running the interface.

### Configurable Fields and Options

#### Table 3-1 Interface Records General Tab

Field Name	Description
Number	This field is generated when the object numbers are created by the installer or when you add records to this module using the Insert Record dialog window.
Name	Enter a user-friendly, easily identifiable interface name for this record.
Communication Name	This is the name sent to the interface. While the Name field displays the name that is used by EMC programmers, this field may have specific requirements based on the site. For example, the interface name may be Hotel Interface but its Communications Name may be named <i>posSimph</i> because this is the requirement of the hotel's system.

Field Name	Description	
Interface Type	The available interface types are:	
	<ul> <li>PMS/SIM - Property Management Systems such as the Oracle Hospitality OPERA</li> <li>CA/EDC - Credit Authorization/ Electronic Draft Capture</li> <li>Security - Video security system</li> <li>Table Management – Table management system</li> <li>SIMDB - System Interface Module</li> <li>Stored Value- Stored Value Card</li> <li>iCare – Gift Card and Loyalty</li> </ul>	
Communication Type	The method used to establish the communication. Communication setting fields in the Options tab change according to the method selected here.	
Backup Interface	Another interface to which the Simphony FE system should try to post or inquire in the event of a communications failure with the primary interfaced device.	
Offline Posting Link	Allows a site to direct offline postings to a different link when messages are queued for offline posting. To enable this feature, select a valid PMS link.	
SIMDB Link	<ul> <li>Allows you to select a link that serves as a placeholder in a PMS interface to a SIMDB interface. SIM access to this value simplifies SIM programming when an application requires both a PMS interface and a SIMDB interface.</li> <li>Sync Frequency (minutes) – When the SIMDB DLL is running on a Stand Alone Resilient (SAR) workstation, SAR periodically calls SyncRequired() in the DLL. Use this Sync Frequency field to define the frequency (in minutes) of that call.</li> <li>DLL Filename - Specify the name of the DLL which implements the application logic. It is important to note there is only one DLL name specified. Both the SIMDB process and the SAR client tries to load the DLL with the name specified here.</li> </ul>	
Timeout	<ul> <li>The amount of time (in seconds) that Simphony FE should wait for a response from this interface before taking one of the following actions:</li> <li>Display a prompt to try a backup PMS</li> <li>Search for an alternate tender</li> <li>Display a communications failure notice</li> <li>Five seconds is the recommended timeout value.</li> </ul>	
Ping Frequency	This field shows only if the <b>Determine Link Status Using Ping</b> option is enabled. This field indicates how often (in seconds) the interface process should ping the PMS server. If this field is set to 0, the Interface process pings the PMS server every 30 seconds.	
ISL Script Name	The name of the ISL script file that is used for this interface. Do not enter the file extension. For example, MyISLis <i>not</i> MyISL.isl Interfaces that require an ISL script usually employ a Client Application Loader (CAL) package to send those files to the service host where they are needed.	

### Options Tab

Depending on the Communication Type, not all fields are shown.

### Table 3-2 Interfaces Record Options Tab

Options	Description
1 - Use 19 Digit Reference Entry for PMS Inquiries	When enabled, allows PMS inquiries to use a reference number of up to 19 digits. When disabled, only 16 digits are allowed.
2 - Enable Interface Log	When enabled, debug information is posted to the Interface Log. The interface log records communication between Simphony FE and the interfaced system.
3 - Allow Inquiry without Sign-In	When enabled, this allows the operator to perform PMS inquiries without signing into a workstation. When disabled, employees must be signed in to run PMS inquiries for this Interface.
4 - Use 5 Digits for Number of Guests	When enabled, allows using 5 digit formatting for the number of guests. When disabled, 4 digit formatting is used.
5 - ON = Use 9 digits for Terminal IDs; OFF = Use 2 digits for Terminal IDs	<ul> <li>When enabled, the entire 9-digit workstation ID is transmitted to the PMS.</li> <li>When disabled, the two least significant digits of the workstation ID are transmitted. For example, 123456789 transmits as 89.</li> <li>This option is intended for PMS systems that are configured to use the two-digit terminal protocol made popular by previous Oracle MICROS products.</li> </ul>
7 - Download to Mobile MICROS	When enabled, the system allows Oracle MICROS Mobile devices to use this interface.
8 - Enable Offline Posting	When enabled, Offline Posting data is sent to the POS system. This option is used for PMS interfaces that support buffered posting. When the interface or the connection to the interface is not accessible, the items post to a buffer and send when the interface connection is re-established.
9 - Determine Link Status Using Ping	When enabled, the POS system pings the PMS system (using the time value from the Ping Frequency field). If this ping fails, the POS system marks the PMS interface as down and any subsequent postings fail immediately. The POS system continuously pings the PMS system while it is down. When it is back up, the POS system allows operator postings to go through. When disabled, every posting to the PMS is sent directly to the PMS system, even if the previous one fails. If the POS communicated with the PMS system using a TCP connection, then it may take 30 seconds for each posting attempt to timeout.

Options	Description
10 - ON = Use 5-digit RVC #; OFF = Use 3-digit RVC #	When enabled, the PMS posting message supports a five digit Revenue Center Number. When disabled, the PMS posting message is limited to a three digit Revenue Center Number.
11 - ON = Use 8-digit Check #; OFF = Use 4-digit Check #	This option is currently not supported in Simphony FE.
12 - iCare SVC Interface	Enable this option to indicate that this interface record is an iCare interface. When enabled, configuration information is included with the messages.
13 - Enable Auto Reversal	When enabled, this option automatically sends an acknowledgement (ACK) when Auto-Reversal is configured for the Gift Card (Stored Value Card) Service.
TCP Host Name	The name or IP Address of the Host PC for this interface.
Port Number	Set this field to 0 unless the interfaced device specifically requires a different setting from the default (5007).
COM Device	The COM port or serial port device name, if required for the interface being used.
Baud Rate	The baud rate at which the PMS communicates with Simphony FE.
Word Length	The word length used by the interface when communicating with Simphony FE.
Stop Bits	The number of stop bits for this interface.
Parity	An odd or even parity setting for this interface.
Parity Check	Enable this option to require a parity check for transmission errors.

### Properties Tab

### Table 3-3 Interfaces Record Properties Tab

Field Name	Description
Properties	Select each property that this interface should be available. Once a property is made available, it must also be linked in RVC Parameters in order to be utilized.

### Service Host Tab

Field Name	Description
Service Host	Select the service host to run this interface. The Select Service Host dialog window shows all the workstations in the property in addition to any service host records configured for the property. When a service host is selected, all its services display in the grid. The fields in the grid are all read-only except for the service of the currently selected record.
	A Property level service host selection such as a workstation, limits the use of the interface to workstations that can communicate to that property. An Enterprise level service host (one that does not have SarOps installed but exists in the Service Host module) can be accessed by all properties.

#### Table 3-4 Interfaces Record Service Host Tab

### **Configuring a PMS Interface**

### Serial (TTY) PMS Example Configuration

This is an example configuration of a serial PMS interface.

- 1. Access the EMC, select the **Enterprise** level, under **Hardware**, and then click **Interfaces**.
- 2. Insert a new record and toggle to form view.
- 3. Configure the **General** tab as follows:
  - Interface Type: 0 PMS/SIM
  - Communication Type: 0 -TTY
  - **Timeout**: 60
  - Ping Frequency: 30
- 4. Click the **Options** tab and enable the following settings:
  - 2 Enable Interface Log
  - 3 Allow Inquiry without Sign-In
  - 5 ON = Use 9 digits for Terminal IDs; OFF = Use 2 digits for Terminal IDs
  - 8 Enable Offline Posting
- 5. Configure the serial connection settings in the COM Communications section:
  - COM Device: 1
  - o Baud Rate: 8 9600
  - Word Length: 8
  - Stop Bits: One
  - o Parity: Odd
  - Select Parity Check

- 6. Click the **Properties** tab and select the properties that can use this interface.
- 7. Click the **Service Host** tab and select the Service Host from the drop-down list to run this interface.
- 8. Click Save.

### TCP/IP PMS Example Configuration

This is an example configuration of a TCP/IP PMS interface.

- 1. Access the EMC, select the **Enterprise** level, under **Hardware**, and then click **Interfaces**.
- 2. Insert a new record and toggle to form view.
- 3. Configure the **General** tab as follows:
- Interface Type: 0 PMS/SIM
- Communication Type: 1 TCP/IP
- Timeout: 5
- Ping Frequency: 0
- 4. Click the **Options** tab and enable the following settings:
- 1 Use 19 Digit Reference Entry for PMS Inquiries
- 2 Enable Interface Log
- 3 Allow Inquiry without Sign-In
- 5 ON = Use 9 digits for Terminal IDs; OFF = Use 2 digits for Terminal IDs
- 8 Enable Offline Posting
- 5. Configure the TCP/IP settings in the **TCP Communications** section:
- TCP Host Name: Enter the name or IP Address of the Host PC for this interface
- **Port Number**: Set this field to 0 unless the interfaced device specifically requires a different setting from the default (5007)
- 6. Click the Properties tab and select each property that can use this interface.
- 7. Click the **Service Host** tab and select the Service Host from the drop-down list to run this interface.
- 8. Click Save.

### Assigning an Interface to a Property

An interface must be assigned as one of the eight interfaces for the properties linked in the Interfaces module to be used.

- 1. Navigate to the EMC, RVC level, RVC Information, select RVC Parameters, Interfaces tab.
- 2. Select the PMS interface.
- 3. Click Save.

### Touchscreens and PMS Interface Keys

Ensure Touchscreens are configured and PMS interface keys are assigned correctly.

See the Configuring a Touchscreen Room Charge Payment Key and OPERA PMS Interface Touchscreen Configuration sections for more information.

### About the OPERA PMS Interface

Beginning with the Simphony First Edition 1.8.1 release, specific steps for configuring an interface to the Oracle Hospitality OPERA Property Management System (PMS) are being reintroduced to the product. This configuration allows you to post more comprehensive guest check detail and transaction totals to the Front-Office folios of guests of the property. This interface can now be configured directly from the EMC.

Some of the highlights of this interface are:

### Front-Office Posting Capabilities

- Posts up to sixteen Sales Itemizers
- Posts up to eight Tax Itemizers
- Posts up to sixteen Discount Itemizers if the **Full Discount and Service Charge breakdown** option is enabled, otherwise one Discount Itemizer is posted.
- Posts up to two Service Charge Itemizers
- · Check details are posted after a transaction's payment is finalized

### Inquiry Capabilities from the Workstation

- Supports inquiries by Guest name or Room number, returning the following information:
  - Guest Last Name, First Name, and Title
  - Arrival and Departure dates
  - Room Number and Room Type
- Displays a Guest's reservation detail
- Displays a Guest's transaction history
- Display or Print Guest messages
- Supports the entry of Guest messages
- Displays a Guest's onsite location
- Supports the entry of a Guest's onsite location

### Configuring the OPERA PMS Interface

To configure the Oracle Hospitality OPERA PMS interface:

- 1. Access the EMC, Enterprise level, under Enterprise Information, and then select Interfaces.
- 2. Insert a new record and enter ENH\_PMS in the Name field.

#### Figure 3-1 OPERA PMS Interface Record

General Options Pr	roperties Service Host					
Current Record						
Number 7	Audit This Record					
Name ENH_PMS	Name ENH_PMS					
General						
Communication Name	Opera_PMS					
Interface Type	0 - PMS/SIM					
Communications Type	1 - TCP/IP					
Backup Interface	0 - None 💌	[				
Offline Posting Link	0 - None 💌	[				
SIMDB Link	0 - None 💌	[				
Timeout	30					
Ping Frequency	0					
ISL Script Name	MF_ENH					
	UWS Local Interface					

3. Select the **Options** tab and enable the settings shown here:

Figure 3-2 OPERA PMS Interface Record Options Tab

General <b>Options</b> Properties Service Host	
Current Record	
Number 7 Audit This Record	
Name ENH_PMS	
Options	
<ul> <li>✓ 1 - Use 19 Digit Reference Entry for PMS Inquiries</li> <li>✓ 2 - Enable Interface Log</li> <li>✓ 3 - Allow Inquiry without Sign-In</li> <li>✓ 4 - Use 5 Digits for Number of Guests</li> <li>✓ 5 - ON = Use 9 digits for Terminal IDs; OFF = Use 2 digits for Terminal IDs;</li> <li>✓ 7 - Download to Mobile MICROS</li> <li>8 - Enable Offline Posting</li> <li>9 - Determine Link Status Using Ping</li> <li>10 - ON = Use 5-digit RVC #; OFF = Use 3-digit RVC #</li> <li>11 - ON = Use 8-digit Check #; OFF = Use 4-digit Check #</li> </ul>	<
TCP Communications	
TCP Host Name localhost	
Port Number 8085	

4. Select the **Properties** tab and enable all of the properties that are to use this interface.

#### Figure 3-3 OPERA PMS Interface Record Properties Tab

5. Click the **Service Host** tab, and then select the service host where the specific interface service is running, and then click **Save**.

Figure 3-4 OPERA PMS Interface Record Service Host Tab

Gene	eral Opti	ons Properties	Service Host				
Currer	-Current Record						
1	Number 7 Audit This Record						
	Name ENH_PMS						
Servic	e Host Configur	ation					
	Ser	vice Host 37 - SAMPLE SE	RVICE HOST	elect			
	Con	figuration: Host Name: SAN	IPLE SERVICE HOST, Net	Mask: 255.255.22	24.0, Gateway: XX.XX.XX.		
	#	Туре	Record	Port	URL		
۱.	78	SIM File Access Service	Enterprise	443	EGateway/EGateway.asmx		
	79	Interface	7 - ENH_PMS	443	EGateway/EGateway.asmx		

### Applying the Standard PMS ISL Files

Using System Interface Module (SIM) and its proprietary Interface Scripting Language (ISL) scripts, the PMS interface is enhanced. To apply the Standard PMS SIM scripts:

- 1. Access the EMC, Enterprise level, under Enterprise Information, and then select SIM Scripts.
- 2. Insert a new record and double-click the record (or use the EMC toolbar icon) to toggle to Form view.
- 3. Enter a name in the **Name** field and from the **Interfaces** field, select the ENH\_PMS interface configured in the Configuring a PMS Interface section.
- 4. From the Content Files section, click the Add System ISL Files link.
- 5. From the Select Packages window, select the **PMS ISL Files** package, and then click **OK**.

Four ISL files are added. Click Save.

6. These files are eventually downloaded to workstations under PosClient\Sim.

#### Figure 3-5 OPERA PMS SIM Script Setup

General	
Current Record Number Name OPERA_PMS	
Description OPERA PMS Interface ISL	
Interface 7 - ENH_PMS	Select Packages ×
Content Files Add Delete Add System ISL Files	1.PMS ISL Files
# Description	OK Cancel

#### Figure 3-6 Added OPERA PMS System ISL Files

Add	<u>Delete</u>	Add System ISL Files				
	#	Description	Disk File Name	PlatformType		Version
۶.	183	System ISL files	fid_base.isl	0 - All Clients	-	1
	184	System ISL files	fid_fo.isl	0 - All Clients	-	1
	185	System ISL files	fid_subs.isl	0 - All Clients	-	1
	186	System ISL files	MF_ENH.isl	0 - All Clients	-	1



### Revenue Center Setup

To link the OPERA PMS interface to a revenue center:

- 1. Access the EMC, select the **Revenue Center** level, under **RVC Information**, and then click **RVC Parameters**.
- 2. Click the **Interfaces** tab, select the **ENH\_PMS** interface from the drop-down list under the Interfaces section, and then click **Save**.

This step must be performed for each revenue center running this interface.

Figure 3-7 RVC Parameters OPERA PMC Interface Link

Home Page RVC Parame	ters								
General Search (	Options	Format	Posting a	nd Control		Order Types	Me	nu Levels	Interfaces
Interfaces						7			
1. 7 - ENH_PMS		5. 0 - No	ne		•				
2. 2 - SendSIM	-	6. 0 - No	ne		•				
3. 0 - None	-	7. 0 - No	ne		•				
4. 0 - None	-	8. 0 - No	ne		•				
Table Management System Option	ns								
TMS Ope	rator 0 - Non	e		Select					
TMS User Workst	ation 0 - Non	e		Select					
TMS	Link 0 - Nor	e	•	•					
1 - Send Check Status Mes	sages to TMS	;			^				
2 - Enable CRM/TMS Interface     3 - Send Closed Check Total to CRM/TMS									
4 - Send Closed Check Detail to CRM/TMS									
5 - Send Course Timing Da	ta to CRM/TM	IS							
I 6 - Send Offline Transaction	ns to TMS				~				

### Room Charge Tender Media Setup

In order for a workstation operator to post transaction totals and check detail to the Front-Office (including a guest's folio), a Room Charge payment tender must be configured and utilized from a workstation.

#### **NOTE:**

Cash or Credit Card postings sent to the Front-Office are not considered Room Charge tender media.

To configure a Room Charge tender:

- 1. Access the EMC, select the **Property** level, under **Sales**, and then click **Tender/Media**.
- 2. Insert a new record and enter a payment tender named **Room Charge** in the **Name** field.

General Options	Menu Levels Output
Current Record	
Number 31	Audit This Record
Name Room Charge	
General Settings	
Privilege Group	1 💌
Кеу Туре	1 - Payment
NLU	
SLU	0 - None
MMH SLU	0 - None
lcon	None
Report Group	0 - None

Figure 3-8 Tender/Media Room Charge Record

 Click the Interface Options tab. Link the Opera PMS interface (ENH\_PMS) using the Interface Link drop-down list. This selection is based on exactly where the interface is assigned in each of the RVC Parameters files (per RVC).

Figure 3-9 RVC Parameters OPERA PMC Interface Link

Home Page RVC Parameters	
General Search Options	Format Posting and Control O
Interfaces	
1. 7-ENH_PMS	5. 0 - None
2. 2 - SendSIM 💌	6. 0 - None
3. 0 - None 💌	7. 0 - None
4. 0 - None 💌	8. 0 - None

4. In this example, the correct selection is **1 - ENH\_PMS**, because the OPERA PMS interface is assigned in the highlighted number 1 slot of the RVC Parameters file as shown in Figure 3-9.

General Options Menu Levels Output
Current Record           Number         31         Audit This Record           Name         Room Charge
Search Printing Options Interface Options Credit Card Options Ta Payment Interface Options
29 - ON=Post 0.00 Transactions to PMS: OFF=Do Not Post     30 - ON=Print PMS Response and Posting Msg: OFF=Print Response ONLY     31 - ON=PMS and Credit Cards Use 19 Digit Acct Number: OFF=16 Digits     32 - ON=Post Amount Tendered to PMS; OFF=Post Amount Due     33 - Use ISL TMED Procedure Instead of PMS Interface     39 - Reverse PMS Itemizers On VOID Postings     40 - Switch to Alternate Tenders If PMS Timeout
View Interface Names for RVC: 4-Sample RVC

Figure 3-10 Tender/Media Record Interface Link

- 5. From the same Interface Options tab, enable the Payment Interface option 38- Use ISL TMED Procedure Instead of PMS Interface.
- 6. Link this interface to every Tender/Media record that needs to post to the Front-Office and guest folios.
- Click the Ops Behavior tab, from the Tender Option section, enable option 89 -Enable Room Charge Tender Posting (Required for this Opera PMS Interface). Under the General Options section, ensure the 5 - Reference Entry Required option is disabled, and then click Save.

Figure 3-11 Tender/Media Record Ops Behavior Setting

General Options Menu Levels Output
Current Record           Number         31         Audit This Record           Name         Room Charge
Search Printing Options Interface Options Credit Card Options Taxing Options Ops Behavior
Amount Options
2 - Amount Required     3 - Assume Paid in Full     4 - Use with Currency Conversion     37 - Partial Tender Not Allowed     53 - Round Tender to Next Highest Dollar     86 - Enable Tender Rounding     v
Insignificant Digits 0
1 - Open Cash Drawer     52 - Blink Customer Display (20 Char Display Only)
Get Ausk Account Number     Get Ausk Account Number     Get Ausk Account Number     Get Ausk Account Number
Tender Options
56 - This Tender Media is Euro Currency     57 - Do Not Include Service Chg while Prorating Tender     66 - Tender Media Used For Stored Value Transactions     71 - Employee Meal Applies to Scheduled Employees Only     72 - Employee Meal Applies To Scheduled Conjugation
☑ 89 - Enable Room Charge Tender Posting (Required for EnhancedPMS Interface) ✓
General Options 5 - Reference Entry Required 48 - Item is Shareable

### Configuring a Touchscreen Room Charge Payment Key

Ensure a Room Charge key is configured on each of your payment touchscreens for your POS workstation (and Oracle MICROS Mobile device) operators to use when tendering a transaction.

- 1. Access the EMC, select the **Revenue Center** level, under **User Interface**, and then click **Touchscreen Design**.
- 2. Select the Payment touchscreen and create and name your Room Charge payment key.
- In the Key Type field, select Tender Media from the drop-down list. For the Key Number field, select the record named Room Charge. Configure the balance of the touchscreen record as you see fit and Save.
- 4. Repeat steps 1-3 on each applicable revenue center's payment touchscreens.

#### Figure 3-12 Revenue Center Touchscreen Design Module



### **OPERA PMS Interface Setup**

- 1. Access the EMC, **Property** level, under **Property** Information, and then select **Property** Parameters.
- 2. Select the **Enhanced PMS** tab. This tab provides additional, more robust configuration options for the OPERA PMS interface.

#### Figure 3-13 Property Parameters Enhanced PMS Tab

Home Page Property Parameters						
General Search Options Reporting	Workstations	Order Types	Timekeeping	Calendar	Data Privacy	Enhanced PMS
Posting Options						
Send check details for non-Roomcharge Tenders     Suppress Duets Messages during Postings     Suppress References of non-Roomcharge Tenders     Send negative Guest Count if payment is negative     So not tailsally Guest-Continnation during Postings     G - Use Cashier# instead of Serving Period#		~ >				
Roomcharge Options						
8 - Magnetic Card Required for Posting						
Excl. RVC Numbers	1 - Beaches Cafe     2 - Room Service     3 - Banquets     4 - Palm Bistro	<				
9 - Enable Restricted Posting						
Specify Employee Option to Use		Ŧ				
Locator						
10 - Use RVC Name as Locator Line #1     Default Locator Val	idity in Minutes 0					
Touchscreen Setup						
11 - Use Touchscreens generated by System (PCWS and W	54 / WS4LX / WS5 / W	S5a)				

### **Enhanced OPERA PMS Options**

Listed here are brief explanations for the Enhanced OPERA PMS options:

#### **Posting Options**

Send check details for non-Room Charge Tenders

If disabled, only the check details of Room Charge payments are sent to the Front-Office interface. If enabled, the check details of non-Room charges are also sent. Note this increases the amount of data sent, and should only be used with a TCP/IP interface connection.

- Suppress Guest-Messages during Postings When enabled, this option suppresses the message indicator during the posting. For high-volume sites, Oracle Food and Beverage recommends this option be enabled.
- Suppress References of non-Room Charge Tenders Non-Room Charge tenders show the Department Code they were posted to. Enabling this option suppresses this reference.
- Send negative Guest Count if payment is negative Select if the guest count should be negative in case the payment is negative (for example the payment is voided). Note this feature requires specific setup on the Front-Office interface to work correctly.

#### • Do not display Guest-Confirmation during Postings

Enable if the guest name should not be confirmed when posting. Unless magnetic cards are used to identify the guest, Oracle Food and Beverage recommends this option be disabled.

#### Use Cashier # instead of Serving Period #

Enable if the Cashier number of the Transaction Employee should be sent instead of the Serving Period number.

#### Full Discount and Service Charge breakdown

If enabled, a full breakdown of Discounts are sent. This requires a specific version of the Front-Office interface. A full breakdown of Service Charges is currently not supported.

#### **Room Charge Options**

Magnetic Card Required for Posting | Excl. RVC Numbers
 Enable if you want to limit the entries in the Room Charge event to magnetic cards, or to allow both magnetic cards and keyboard input.
 When enabled, this setting can be overwritten for certain RVC's by selecting specific RVCs from the Excl. RVC Numbers list.

#### Enable Restricted Posting | Specify Employee Option to Use

Enable if you want to restrict the response returned from the Front-Office interface in the Room Charge event to the input provided by the POS operator.

#### - Specify Employee Option to Use

You need to specify the ISL Employee Option from the drop-down list. If the option is enabled and the transaction employee has the related ISL Employee option enabled (see EMC, Property, Personnel, Employee Class, and then ISL Options), the POS operator must enter both a room-number and the last-name of the guest. If the response returned does not match both values, or if several hits are returned, the posting is declined. Note that this does not work if input is restricted to magnetic cards, so either the restriction must be disabled, or the RVC in-question must be added to the excluded RVC's list. Also note that this does not work with customized IFC\_FRM on the Front-Office interface side. The default setup must be used there.

#### **Locator Options**

#### Use RVC Name as Locator Line #1

If enabled, the first line of the locator contains the RVC name, otherwise it remains blank. The server can overwrite this value when entering the locator information.

#### - Default Locator Validity in Minutes

Each new locator is only valid for a certain amount of time. Enter the default time setting here. The server can overwrite this value when entering the locator information.

#### **Touchscreen Setup Option**

### Use Touchscreens generated by the System (PCWS / WS4 / WS4LX / WS5 / WS5a)

If enabled, the interface uses touchscreens generated by the system, thus there is no need to configure them. Oracle MICROS Mobile devices always use touchscreens generated by the system.
# **OPERA PMS Interface Touchscreen Configuration**

In order to utilize the enhanced OPERA PMS interface from workstations, several touchscreens must be created and configured. The following touchscreens need to be created if the touchscreen option **Use Touchscreens generated by System (PCWS / WS4 / WS4LX / WS5a)** is disabled.

To configure the OPERA PMS Interface touchscreens:

1. Access the EMC, select the RVC, and then click Touchscreen Design.

#### Figure 3-14 Guest Services Touchscreen

Current Touchscreen Record 215 - GUEST SERVICES		nds Filter By: 3 - All Keys	Resolution 800x600	•			
Touchscreen Key Number 215 Name GUEST SERVICES			GUEST SERVICES	3			
Template 1 - Classic Style		FRONT OFFICE					
Idle Media File	RESE	RV. DETAILS		GUEST DET	AILS		
Fixed Prompt Text	GUEST MESSAGE	ENTER MESSAGE	GUEST LOCATOR	ENTER LOCATOR	CLEAR / BACK		

2. Insert a Guest Services touchscreen record and configure the keys to match the settings shown below. Key legends (or labels) can be changed based on your preference.

Table 3-5 Guest Services Touchscreen Key Configuration
--

Key Legend	Кеу Туре	Key Number
GUEST SERVICES	11 - Function	363 - TS Label Only
FRONT OFFICE	11 - Function	363 - TS Label Only
RESERV. DETAILS	11 - Function	27 - Home
GUEST DETAILS	11 - Function	29 - Page Up
GUEST MESSAGE	11 - Function	28 - Up
ENTER MESSAGE	11 - Function	21 - End
GUEST LOCATOR	11 - Function	23 - Page Down
ENTER LOCATOR	11 - Function	22 - Down
CLEAR / BACK	9 - Keypad	13 - Clear/No



3. Insert a Keypad touchscreen record.

#### Figure 3-15 Keypad Touchscreen

Legend	OPERA PMS KEYPAD			ENTED		01510
y Type 0 - Disabled   Iumber  Alpha  the Mind 0 - shi lawain x	100			EN	ICK	GLEAR
et SLvf 0 - Al Levels - Color 0 - No Color Defined - Ioon None -	ТОР	Λ	PAGE UP	7	8	9
cation 0 - Not shown	POTTON	v	PAGE DOWN	4	5	6
p Transparent Bitmap Stretch To Fit	BOTTOM	v	PAGE DOWN	1	2	3
		DONE			0	

4. Configure the keys to match the settings shown below. Key legends (or labels) can be changed based on your preference.

Key Legend	Кеу Туре	Key Number
OPERA PMS KEYPAD	11 - Function	363 - TS Label Only
ENTER	9 - Keypad	12 - Enter/Yes
CLEAR	9 - Keypad	13 - Clear/No
ТОР	11 - Function	27 - Home
٨	11 - Function	28 - Up
PAGE UP	11 - Function	29 - Page Up
ВОТТОМ	11 - Function	21 - End
V	11 - Function	22 - Down
PAGE DOWN	11 - Function	23 - Page Down
DONE	9 - Keypad	12 - Enter/Yes
7	9 - Keypad	7 - Numeric 7
8	9 - Keypad	8 - Numeric 8
9	9 - Keypad	9 - Numeric 9
4	9 - Keypad	4 - Numeric 4
5	9 - Keypad	5 - Numeric 5

#### Table 3-6 Keypad Touchscreen Key Configuration

Key Legend	Кеу Туре	Key Number
6	9 - Keypad	6 - Numeric 6
1	9 - Keypad	1 - Numeric 1
2	9 - Keypad	2 - Numeric 2
3	9 - Keypad	3 - Numeric 3
0	9 - Keypad	0 - Numeric 0

5. Insert a Restricted / Clear touchscreen record.

#### Figure 3-16 Restricted / Clear Touchscreen

Current Touchscreen	N Record	🗄 🛅 🛃 🗮 🗙 🕼 🍘 Legends Filter By: 3 - All Keys 💌 Resolution (800x600 💌	
Touchscreen )	Key		
Legend OPERA	PMS	OPERA PMS	
Legend Size 2	•		
Key Type 11 - Fun	• tion		
Key Number 363 - TS	Label Only		
Alpha			
Preset MLvI 0 - All Li	evela 🖉		-
Preset SLvI 0 - All Li	evels		
Color 0 · No C	Color Defined		
Icon None	•		
Icon Location 0 - Not a	shown		
Next Screen 0 - None	• • • • • • • • •	CLEAR / BACK	
Media File			
E Full	Screen Media		-
0 - None			
Transparent Bitr	map		
Stretch To Fit	20		

6. Configure the keys to match the settings shown below. Key legends (or labels) can be changed based on your preference.

Table 3-7 Clear / Back Touchscreen K	Key Configuration
--------------------------------------	-------------------

Key Legend	Кеу Туре	Key Number
OPERA PMS	11 - Function	363 - TS Label Only
CLEAR / BACK	9 - Keypad	13 - Clear/No

7. Insert a View / Print touchscreen record.

#### Figure 3-17 View / Print Touchscreen

Current Touchscreen Record	🗄 🛗 👪 🗙 💽 🙆 Legends	Filter By: 3 - All Ke	tys 💌 Resolution 800x600 💌	
Touchscreen Key Legend OPERA PMS Legend Size 2			OPERA PMS	
Key Nurber 0 S Alpha Or Alberta V Preset MLvl 0 - Al Levels V Color 0 - No Color Defined V Icon None V	ТОР	٨	PAGE UP	PRINT
Icon Location 0 - Not shown  Next Screen 0 - None  Full Screen Media Bitmap 0 - None Transparent Bitmap Stretch To Fit	воттом	v	PAGE DOWN	DONE
T Stretch To Fit				

8. Configure the keys to match the settings shown below. Key legends (or labels) can be changed based on your preference.

Key Legend	Кеу Туре	Key Number
OPERA PMS	11 - Function	363 - TS Label Only
ТОР	9 - Keypad	12 - Enter/Yes
٨	11 - Function	28 - Up
PAGE UP	11 - Function	29 - Page Up
PRINT	9 - Keypad	12 - Enter/Yes
BOTTOM	11 - Function	21 - End
V	11 - Function	22 - Down
PAGE DOWN	11 - Function	23 - Page Down
DONE	9 - Keypad	13 - Clear/No

Table 3-8 View / Print Touchscreen Key Configuration

4

# Managing System Interface Module (SIM) Scripts

The System Interface Module (SIM) extends the standard operation and functionality of Simphony through the Oracle Food and Beverage proprietary Interface Script Language (ISL). The SIM and ISL work together to provide establishments with the capability to enhance daily operations quickly and easily.

See the System Interface Module (SIM) Manual for more information about creating and utilizing SIM scripts.

Beginning with the Simphony First Edition 1.8 release, additional security measures have been introduced in reference to SIM Script handling and file validation. A new **SIM Scripts** module has been added to the EMC at the Enterprise level under the Enterprise Information section.

The security enhancements include:

- Allowing authenticated users to insert a variety of files, including SIM scripts (and any necessary supporting files), DLLs, and image files directly into the enterprise transaction database.
  - Each imported file has an associated checksum generated to allow the system to validate and verify the files have not been tampered with.
  - The first time a file is loaded into the SIM engine for execution, the checksum is recomputed and compared against the stored checksum. If the checksum is validated, the file is loaded and executed. If the checksum is not valid, the file will not be loaded.
  - Versioning has also been implemented for files as they are imported and autoincremented when files are subsequently edited or modified.
- The introduction of a standalone SIM Script Migration Utility allows privileged users to scan existing CAL Packages and identify those packages that contain SIM scripts (and any necessary supporting files), and then migrate them all into the transaction database. The SIM Script Migration Utility can be executed immediately after performing either a fresh installation or after completing an upgrade to Simphony First Edition version 1.8.
- The addition of a Property Management Console (PMC) **SIM File** tab has been made available for privileged users on workstations. The PMC SIM File tab allows you to view and validate the files downloaded to the workstation's SIM folder.

# Assigning SIM Scripts Access Privileges

Only privileged users can access the SIM Scripts module in the EMC. To assign these privileges:

- 1. Access the EMC, and from the Enterprise level, select **Enterprise Roles**, and then select the applicable role.
- 2. Select the EMC Modules tab.
- 3. Scroll down to the **SIM Scripts** file and configure the View, Edit, Add, and Delete access privileges.
- 4. Repeat for each applicable role based on the desired access, and Save.

# Configuring the SIM Scripts Module

To configure the SIM Scripts module:

- 1. Access the EMC, and from the Enterprise level, under the Enterprise Information section, click **SIM Scripts**.
- 2. Click the Insert icon on the EMC toolbar to add records.
- Enter the name of the content file in the Name field, and then enter a brief description of the file in the Description field.

m				EMC			
Eile Edit View Help							
Home Page SIM Scripts							
Filter Show Records Where Show All Records  Contains the text  Filter Now							
# 🔺 Name	Description	Options	Interface				
I Sample_Script1	Sample1 file	00000000000000 …	2 - SendSIM ···				

#### Figure 4-1 - SIM Scripts Module

- 4. (Optional) If needed, from the Options column, enable the following settings:
- Disable SIM When enabled, SarOps downloads the SIM files, but the files do not get loaded into the SIM engine to be implemented. This option could be used for SIM scripts that are utilized on a periodic basis, or perhaps during a script testing phase.
- Developer Mode
  - Active Developer Mode

Developers can make changes to a local file, and then the file is immediately used by SarOps. Content is not downloaded from the enterprise database for a file while in this mode. Each file that is in developer mode skips the checking process (checksum validation) and assumes the content is valid. The system sets a timestamp to allow for Active Developer Mode for 60 minutes (1 hour), after which the system considers the developer mode to be expired, and no longer updates the file.

#### - Expired Developer Mode

After the 60 minutes has expired, the developer can use the last loaded version of the file, but subsequent changes to the local file are ignored. The system does not load the file from the enterprise server. This is important because we do not want to overwrite the changes made to the local file until the developer is ready.

#### - Cancel Development Mode

This mode once again allows files to be pulled down from the enterprise database to the workstations. In SarOps, a check is run to see if a file is in developer mode, and if so, set the system to check the time stamp of the ISL files the same way it used to.

5. From the **Interface** field, click the ellipsis point (...), select the SIM related interface type (**SendSIM** in this example), and then click **OK**.

m										EMC
File	Edit \	iew	Help							
i 😔 🗽	<b>1 🐻</b> 🗄 (	D [ē		😣 📖 🖬 🕶 👘 📊 н	${ \ } \bullet { \ }$	M 🖭 👪 🗔 💷				
Hom	e Page	S	(M Scripts							
Filter	^									
1 liter	Show P	oord	Show All Rec	ontains the t	tevt			Filter Now	X Clear Filters	
	Show In	scora	s where panow vir need		U.N.					
	#			Name	D	escription	Options	Interface		
Þ	1	_	Sample_Script1		Sample_9	Script 1	00000000000000	2 - SendSIM		
							·			
						m	Select Interface			
						Filter				
						Object Number	Name			
						Select Interface				
						1	MS			
						2 Sen	dSIM			
						2 000				
						🗸 o	K 🗶 Ca	ncel		
								/	<u> </u>	



6. Double-click the record (or use the EMC toolbar icon) to toggle to Form view.

m									
File Edit View Help									
Home Page SIM Scripts									
Filter									
Show Records Where Show All Records  contains the	text 💌		Filter Now	X Clear Filters					
# 🔺 Name	Description	Options	Interface						
Image: Image: Script 1         Sample 1 file         000000000000 ··· 2 · SendSIM ···									

Figure 4-3 - EMC SIM Scripts Module - Table View

# General Tab

tome Page SIM Scripts	(1)			
Name Sample_Script1	Curreral Curreral Curreral Curreral Curreral Curreral Name Recod Name Sample_Scr Description Sample 1fle Interface 2 - SendSIM Options Disable SIM Developer Mode	¥1		
	Content Files	Add System ISL Files		

Figure 4-4 - EMC SIM Scripts Module - Form View

7. Click the **Add** link in the Content Files section. This figure is an example of the Simphony First Edition 1.8.1 release SIM Scripts module.

	i i i i i i i i i i i i i i i i i i i	n 6	🚹 н к э эн 🖭 🕅 🛅 📃			
Home Page SIM Scripts	Gene	ral	Preview: uploaded system ISL files			
Sample_Sorpt1	Current	Record umber 1 Name San	nole_Script1			
	Descript	ion Sample	1 file			
	Interface	2 - Sen	dSIM			
		Disable SI Developer	M Mode			
	Content	Files	Add System ISL Files			
	Content	Files Delete #	Add Sustem ISL Files Description	Disk File Name	PlatformType	Version
	Content	Files Delste # 5	Add Sustem ISL Files Description uploaded system ISL files	Dak File Name	Patform Type 0 - At Clerits	Version 1
	Content	Files Delste # 6 7	Add Sustem ISL Files Description sploaded system ISL files uploaded system ISL files	Disk File Name fid_bare hi fid_fo al	Platform Type 0 - Al Clerts 0 - Al Clerts	Version 1
	Content	Files Delete H 6 7 8	Add System ISL Files Description uploaded system ISL files uploaded system ISL files	Disk File Name fid_base ini fid_point fid_point	PlatformType 0 - Al Cierts 0 - Al Cierts 0 - Al Cierts	Version 1 1

Figure 4-5 - EMC SIM Scripts Add Content Link

8. For users of Simphony First Edition versions prior to the 1.8.1 release, click Add and enter the actual and exact **Disk File Name** of the content file (this entry is case-sensitive), including the file's extension.

				EMC		
File Edit View Help           P	<b>0</b>   H (1) ≠ (1) / [1]   H	< > н Ю М 🖟 📃				
# Nene Somple_Social	General     Preview:       Durrer Record     DelD       Name     Sample_Script1       Description:     Sample 1       Interface     2: SendSIM       Options     Options       Options     Description:			0		
	Content Files Add I	Delete				
	#	Description	Disk File Name	PlatformType	Version	
	Sample	Soript 1	Sample, Script 1 al	0 - Al Clents	- 0	

#### Figure 4-6 SIM Scripts Module - Adding Content

9. Select the workstation type that this script file is meant to be executed on from the drop-down list in the **Platform Type** field.

The **Version** column field is auto-populated upon adding a content record to the module and is incremented each time the file is modified. When a record is first added, the Version field is set to **0** by default. When a content file is actually imported (from the Preview tab), the Version field value is incremented to **1**, and increases with each subsequent edit.

### **Preview Tab**

The Preview tab is where you can import supported content types into the enterprise database. To import a file:

10. Click the Preview tab.

**11.** Select the **Content Type** of your choice from the drop-down list.

m					EMC
File Edit View	Help				
🔁 💽 🐻 i 💿 🤅	) 👍 🗖 🖬 🚺 🐼	) 🗰 🛅 🗠 👘 🗄	💼 H 🔸 🕨 H 🗷 👬 🗔 📃		
Home Page S	IM Scripts				
# Name		General	Preview:		
1 Sample	Soript1	Content Data Content Type File Name Origin	Sim Script	Import from a file	

Figure 4-7 SIM Scripts Module - Preview Tab



The types of content files that are available to import are:

- Binary
- DLL
- Icon
- Image (BMP) Bitmap
- Image (GIF) Graphics Interchange Format
- Image (JPG) Joint Photographic Experts Group
- Image (PNG) Portable Network Graphics
- Image (TIFF) Tagged Image File Format
- SIM Script Files with an .ISL extension
- Text

#### **12.** Click **Import from a file**.

13. Select the content file to be imported and click **Open**.

m		Select the file	to import		X
Look in:	SIMScripts		•	G 🤌 📂 🛄 🗸	
Recent places	Name 🔺	pt1.isl		Date modified 9/19/2019 9:05 AN	▼ Type 1 ISL File
Desktop					
Libraries					
Network					
	<	III			>
	File name:	Sample_Script1.isl		-	Open
	Files of type:			•	Cancel

Figure 4-8 Select the File to Import

The window shows the contents of certain types of imported content files. It shows the contents of SIM scripts, supporting files such as text files, and images. The Preview window does not show the contents of DLL, or binary files. If an imported file is encrypted, the contents are not displayed. All content from the Preview tab is only viewable, and not editable.

m		EMC
🤅 File	Edit View Help	
R 🛛	• 🖬 i o 🖉 🖨 i 🖬 🕯	
Hor	ne Page SIM Scripts	
#	Name	General Preview:
1	Sample_Script1	Content Data
		Content Type Sim Script
		File Name Origin D:\Micros\Simphony\
		/* *
		* This code is a complete implementation of a SIM server,
		* the server application.
		* This example sends valid responses to Simphony-standard format POS messages. */
		extern void run_sim_server(void);
		main() {
		<pre>run_sim_server(); }</pre>
		<pre>void process_pos_request(const char *header, const char *body, char reply_body[])</pre>
		<pre>printf(?Header = %s\n?, header); printf(?Body = %s\n?, body); if (body[0] == ? ? &amp;&amp; body[1] == ?1?) strcpy(reply body, ? 1ABCDEFGHIJKLWNOP?);</pre>
		<pre>else if (body[0] == ? ? &amp;&amp; body[1] == ?2?) strcpy(reply_body, ? 2ZYXWUTSRQPOWMLK?); else</pre>
		<pre>strcpy(reply_body, ?///UNKNOWN REQUEST?); printf(?Reply Body = %s\n?, reply_body); }</pre>

#### Figure 4-9 SIM Scripts Module Preview Example

14. Once all of the content files have been imported into the enterprise database, upon starting the targeted workstations (based on their operating system platform), associated SIM scripts, DLLs, images, and any supporting text files are pushed down to the workstations local database file for storage. Running the DB Download function from workstations is another method for updating clients with the latest files. Moving forward, all of the downloaded content types, such as SIM scripts, can be immediately utilized on the workstations.

# **SIM Migration Utility**

The introduction of a standalone SIM Script Migration Utility allows privileged users to scan existing CAL Packages and identify those packages that contain SIM scripts (and any supporting files), and then migrate them all into the transaction database. The SIM Script Migration Utility can be executed immediately after performing either a fresh installation or after completing an upgrade to Simphony First Edition version 1.8.

### Using the SIM Migration Utility

If you are performing a fresh installation or an upgrade to the Simphony First Edition 1.8 release, the final splash screen of the application's installation wizard offers the opportunity to perform the migration of your SIM scripts (and any supporting files) to your transaction database.

#### **Running the SIM Migration Utility Manually**

 To access the SIM Migration Utility, from the Simphony First Edition application server, open Microsoft Windows File Explorer and navigate to:
 *Oprive Letter* Micros
 Simphony
 Tools
 SIMUtility
 SIMUtility

ORACLE<sup>®</sup>

- 2. Double-click the **SIMUtility.exe** and enter the following:
  - a. Server Enter your database server's URL.
  - **b. User** Enter your database user name.
  - c. Password Enter your database access password.
  - d. Database Enter the database name.

m	Enter Database Settings	X
<b>mi</b> Simph	CIOS® nony First Edition	
ⓒ SQL Server ⓒ Oracle	Server : Database Server Name User : Database User Name Password : Database : Database Name OK Cancel	

Figure 4-10 SIM Migration Utility Logon Window

3. Click the **Scan** button.



Figure 4-11 SIM Migration Scan

4. The utility scans the CAL folders looking for .ISL files to migrate to the database. If such content is found, the Migrate button becomes enabled. Click the **Migrate** button.

Simphony First Edition SIM Migration	X
Scanning	
Found SIMScripts Package to Migrate	
Scan Migrate	Exit

#### Figure 4-12 SIM Migration Utility Migrate Content

5. Once SIM scripts (and any supporting files) are migrated, the obsolete CAL Package Deployment records are deleted (removed from the EMC) and the migrated files are moved from the <Drive Letter>:\Micros\Simphony\EGatewayService\CAL folder to a newly created SIMBackup folder (located in the existing CAL folder).

m	Simphony First Edition SIM Migration
	Scanning Found SIM4 Package to Migrate Migrating Migrating SIM4 Package Creating SIM Script definition SIM4 Searching for interface record Found Interface Record 7 for script4 isl Adding file script4 isl forWin32 platform Adding file script4 si forWin32 platform Deleting CALPackage deployment SIM4: No CAL Package Deployment focords to delete Moving Files to SIMBackup Folder: Finished migrating Package SIM4
	Scan Migrate Exit

Figure 4-13 SIM Migration Utility Scan Results



#### 6. Click Exit.

### NOTE:

Any dependent file referenced in .isl files using an absolute path (such as .dll files) needs to be added manually for the respective Enterprise, Property or RVC under the EMC **Sim Scripts** module, **Content Files** section. This includes dependent files which are not present in the original CAL Package folder.

#### Running the SIM Migration Utility During an Install or Upgrade

When performing a fresh install or an upgrade, the final installation wizard screen provides an option to initiate the SIM Migration Utility.

- When the **Perform SIM Migration** checkbox is selected, the Scan and Migrate buttons are grayed out, and the utility automatically scans, migrates the files and then closes by itself.
- When the utility has finished running, you can review the C:\Micros\Simphony\Tools\SIMUtility\EGatewayLog directory for a description of the steps that were taken during the migration process.

m Simphony First Edition Installer	Х
Installation Complete	
Simphony First Edition installation has been completed. This software incorporates elements from a number of open sources, refer to the Simphony First Edition Licensing Guide for details.	
Perform SIM Migration	
Perform Configuration Scan	
Done	

Figure 4-14 Installation Wizard - Perform SIM Migration Option

# PMC SIM File Tab

# Using the PMC SIM File Tab on Workstations

The PMC SIM File tab allows privileged employees to run a test and validate the files downloaded or migrated to the workstation's SIM folder. To use this tab:

- 1. Access a workstation, and then open PMC Diagnostics.
- 2. Select the SIM File tab.

Diagnostics				
General Devices	Log File	Services	Certifications	SIM File
Workstation Name:	Client Name			
Workstation Number:	#			
Client ID:	##			
Gateway:	http://AppServerIPAddress:port/path/path.asmx			
CAL Url:	http://AppServerIPAddress:port/CALpath/CALpath.asmx			
Version:	Simphony First Edition Version #			
Time:	3:17:13pm			
Current Business Date:	APR-21-2019	Started At:	APR-20-2019 12:0	00:00
Previous Business Date:	APR-20-2019	Started At:	APR-19-2019 12:0	00:00

#### Figure 4-15 PMC Diagnostics SIM File Tab

3. Click the **Test** button.

The SIM Files screen shows files that are currently in the workstations SIM folder. Clicking the Test button performs a file validation. Each file is looked up in the local database, if the file is found, the file checksum is recalculated and compared with the value stored in the local database. The results are listed in the table. If the file is not found in the local database, the file is marked as **Not in File List**.



Diagnostics		
General Devices Log File Services	Certification	ISIM Files
SIM File	Revision	Validation Status
Script1.isl	1	Passed
Script2.isl	2	Failed
Support.txt	1	Not in File List
Sample.dll	1	Passed
Picture.bmp	1	Passed
		V
		Test

# 5 Descriptors

Descriptors is a tab on the EMC Home Page that includes a number of EMC modules. Every module on this page has similar characteristics. In each module:

- 1. It is not possible to add new records because each type of descriptor has a fixed number of items available; a user can edit records, override records or delete records that are overriding, but new records cannot be created.
- 2. The only configurable field is the name of the descriptor.

This article describes the modules listed and the purpose of the data being configured.

#### NOTE:

Not all modules are available at every location of EMC; due to some legacy programming rules, some modules are not available in RVCs. (More about this topic is discussed below.)

# Reasons

Four tender reasons (Payment Reasons, Loan Reasons, Pickup Reasons, and Service Total Reasons) are used to prompt the operator to select a reason that a tender is being utilized; it is similar to a Reference Entry but it allows for finer control. Tenders prompt you when Tender/Media option, **[82 - Prompt for Reason]** is enabled.

#### **Payment Reasons**

32 reasons describing why a Tender/Media record was used.

#### Loan Reasons

32 reasons describing why a Loan record was used.

#### **Pickup Reasons**

32 reasons describing why a Pickup record was used.

#### Service Total Reasons

32 reasons describing why a Service Total record was used.

#### Void Reasons

32 reasons describing the reason for a Void.

#### **Time Clock Reasons**

16 reasons describing a user's Clock In/Out status.



# Headers/Trailers

#### **Guest Check Headers**

Three lines that appear on the top of Guest Checks.

#### **Guest Check Trailers**

12 lines that appear at the bottom of Guest Checks.

#### **Customer Receipt Headers**

Three lines that appear on the top of Customer Receipts.

#### **Training Headers**

Three lines that appear on the top of checks while an employee is in Training Mode.

#### **Credit Card Headers**

Six lines that appear on the top of Credit Card Vouchers.

#### **Credit Card Trailers**

12 lines that appear on the bottom of Credit Card Vouchers.

#### **Check Endorsement Lines**

Three lines that are printed during Check Endorsement Printing jobs; see also: Slip Printer: Check Endorsement Printing.

With the exception of the **Check Endorsement Lines** module, each of the **Headers/Trailers** modules contains the "Use Logo" and "Logo" columns. These settings allow a logo to be printed, instead of a single line of text. When viewing changes to these records in Audit Trail, the text ^^[pl 3] (where "3" represents the object number of the Print Logo) represents that a logo has been selected.

### Miscellaneous

The Check Summary Descriptors, Guest Information Prompts, and Thai Tax Descriptors modules include a non-configurable "Type" column.

In these modules, the "Type" is generally more important to the programmer than the object numbers that are displayed. Also note that the object numbers in **Thai Tax Descriptors** and **Check Summary Descriptors** do not start at "1" and increment; instead, these items use specific object numbers that are unique to the type of record. As with all records, the object numbers cannot be changed.

#### **Check Summary Descriptors**

The names of the text that displays in the Check Summary Area of a workstation.

#### **Guest Information Prompts**

The names of the 10 types of Guest Information Lines.

#### **Canadian Tax Trailers**

Six lines that are printed in at the bottom of Guest Checks and Receipts; used conjunction with Canadian Tax settings.



**Thai Tax Descriptors** 

The names of the Thai Tax Identification and Thai RD Numbers.

Order Types

The names of the eight Order Types.

# Groups

#### **Condiment Group Names**

Names of the 64 Condiment Groups.

Course Names

Names of the 32 Courses.

NLU Names

Names of the 32 NLU Groups.

#### **Revenue Center Groups**

Names of the 32 RVC Type Names.

#### **Discount Groups**

Names of the 32 Discount Groups.

# **SLU Names**

These modules allow the SLU names to be configured. There are two modules for each type of SLU: Regular SLUs and MMH SLUs.

#### Menu Item SLUs

127 SLUs for Menu Items.

**Discount SLUs** 

64 SLUs for Discounts.

Service Charge SLUs

64 SLUs for Service Charges.

#### **Tender/Media SLUs**

64 SLUs for Tender/Media records.

# Itemizers

#### **Sales Itemizers**

Names of the 16 Sales Itemizers.

#### **Discount Itemizers**

Names of the 15 Discount Itemizers.



#### Service Charge Itemizers

Names of the eight Service Charge Itemizers.

# Module Availability

In the **Check Summary Descriptors** module, the descriptor type, "Non-Taxable Sales" is not available in Revenue Centers. This record is omitted when opening Check Summary Descriptors from a RVC. In the legacy EMC, this record was configured in the Tax Table at the Property-Level

- Canadian Tax Trailers
- Check Endorsement Lines
- Check Summary Descriptors
- Condiment Group Names
- Course Names
- Credit Card Headers/Trailers
- Customer Receipt Headers
- Guest Check Headers/Trailers
- Guest Information Prompts
- Menu Item SLUs
- NLU Names
- Sales Itemizers
- Thai Tax Descriptors
- Time Clock Reasons
- Training Headers

# **Guest Check Headers and Trailers**

Guest Check Headers and Guest Check Trailers are leading/trailing lines that can be programmed to print on guest checks. Typically, Guest Check Header lines include the name of the Property and/or Revenue Center. Guest Check Trailer lines generally display promotional information about upcoming events. At hotels, Guest Check Trailers are often programmed to show Room Charge information for the customer to complete. Additionally, any header or trailer line may be programmed to print logos instead of text.

# **EMC** Configuration

6

### **RVC** Descriptors

The text (or logo) that prints is programmed in Revenue Center Descriptors, on the printing tab. For the Guest Check Header, up to three lines may be programmed to print; twelve lines are available for Guest Check Trailers. Guest Check Header and Trailer lines will center automatically unless the RVC Parameter option [Don't Center Header and Trailer Printing] is enabled.

### Tender/Media

Guest Check Headers print on Guest Checks automatically. Guest Check Trailers can be programmed to print per Tender/Media record. These options enable to Guest Check Trailer printing for a Tender/Media record:

#### 22 - Print Check Trailer

Select this option to print the guest check trailer lines at the end of the guest check.

#### 28 - Print Guest Check Trailer on Fast Transaction Customer Receipt

Select this option to print the guest check trailer on the customer receipt if this Tender/Media is used to close a fast transaction. If this option is not selected, no trailer will print for customer receipts. This option is unaffected by the setting of the Print Check Trailer option.

	Техt	Use Logo	Logo	
1	The Fancy Cafe			-
2	1234 Main Street			-
3	Columbia, MD 21044			-
Gues	st Check Trailer			
	Text	Use Logo	Logo	2
1	Thank you for visiting !!	D		1
2		Г		-
3	Visit The Fancy Cafe for			-
4	Mother's Day!!			7
5		C		-
6	Please call ahead for			-
7	reservations: 301-555-1122			Y
8				-
9				-
10		Г		-
11		E		<b>T</b>

Figure 6-1 Revenue Center Descriptors - Printing tab



(Optional) Although optional, these settings are typically enabled:

#### 20 - Print Sales Itemizers

Select this option to print the sales itemizer lines on guest checks, customer receipts, and memo checks when this tender/media is used. Sales itemizer lines include the name of the sales itemizer, and the sales itemizer total. When this option is not selected, printing of the sales itemizer totals is suppressed.

#### 21 - Print Summary Totals

Select this option to print the summary totals (subtotal, tax, amount due, and change due) on guest checks, customer receipts, and memo checks when this key is used. When this option is not selected, printing of the summary totals is suppressed.

# Logo Printing

In Simphony First Edition, Customer Receipts and Guest Checks can print text as well as images. Logo Printing simply means that a check or receipt prints a logo. Typically, this is the logo of the property or of a single revenue center within the property. Currently, only monochrome bitmaps are supported

### **EMC** Configuration

#### **Printers Module**

Each logo-printing device must be configured with the Enable Logo Printing option enabled. In the EMC, open the Printer module from the property scope and select a printer. While in Form View, enable the Enable Logo Printing checkbox. (This option only appears for the IDN Roll Printer type of printer).

#### Print Logos Module

The Print Logos module in the EMC enterprise scope allows logos to be stored in the database. Visit the Print Logos module for instructions. In our example for this article, the Print Logo stored in the database is named "Jolly Roger".

#### **RVC Descriptors Module**

Guest check and receipt headers and trailers are configured in this module. Select the revenue center where the print logo is desired, and open RVC Descriptors. Select the Printing tab. Each type of print job includes three columns:

- 1. Text
- 2. Use Logo
- 3. Logo

If the **Use Logo** box is enabled, the Logo column is enabled and the **Text** column is disabled. The Logo column provides a list of all the Print Logos configured in the system. Both text and the logos can print on the same header, just not on the same line. Often, the first line of a Guest Check Header is the name of the revenue center (Pirate Bar, in this example), while the second line is the logo. This is the sample configuration for this example. The **Jolly Roger** bitmap is selected as line #2.



#### Figure 6-2 Pirate Bar Logo

### Supported Hardware

Currently, logo printing only works with TM-T88 (II) or TM-T88 (III) thermal printers communicating through an IDN line. The printer must have an IDN module with firmware that is capable of supporting Transparent mode. This equates to IDN module firmware Version 1.14 or later. The firmware version can be found by removing power from the printer, setting DIP switch 7 to the ON positon and powering the printer back on. The version of the IDN card is displayed on the printout. This can also be checked on the back of the cover plate of the IDN module once it has been removed.

Assuming a user tries to configure a non-supported printer to print logos, such as a TM-200, unexpected behavior occurs. For example, the user may see non-alphanumeric characters printed on the receipt.

#### NOTE:

Even though the printer type is listed as IDN in the EMC, it is important to note that logo printing currently does not function with an IDN Unicode module. The printer only works with standard ASCII IDN modules.

### Supported Images

Logo printing only works with monochrome bitmap files. The easiest way to convert an image to a monochrome bitmap is to use Microsoft Windows Paint. This can be accomplished by selecting the "Black and white" radio button on the Image Attributes form.

There are four basic rules that govern the size of a valid logo. These rules are:

- 1. An image must have a width that does not exceed 512 pixels.
- 2. An image must have a height that does not exceed 384 pixels.
- 3. An image's area must not exceed 98,304 pixels.
- 4. The bitmap file must not exceed 8 kilobytes.

This does not mean that you may have a logo that is 512x384 because this would violate rule #3!



# Troubleshooting

#### Guest Checks with logos print slowly

If a client receives a logo, but the logo is not yet in the printer's buffer, the printer requests the image. This transfer generally takes about five seconds. As a result, it appears that the printer hangs before printing the logo. All subsequent print jobs will print at normal speed since the logo is now in the buffer.

#### Logo does not print on subsequent print jobs

This may be caused by a number of things. Generally, powering off the printer for 10 seconds and powering it back on will clear the printer's image buffer. The printer will then request the logo from the client.

#### The logo is STILL not printing!

If the logo still does not print after deleting it from the client and power cycling the printer, the bitmap may be invalid. Consult the rules previously listed in this article.

# **Business Day**

A business day refers to the beginning and end times of a day of business. A business day can have any begin time, but typically a business day starts in the early morning hours during a slow or closed period of operations (for example, 3:00 a.m. or 4:00

a.m.). A calendar day always begins at 12:00 a.m.

Business Days exist to include all the hours of a restaurant's operational hours. Usually, a business day ends when there is no business (last call). At 24-hour sites, business days often correspond to an early-morning shift change (if a large percentage of employees begin work at 6am, this might be the start of the site's business day).

To reset daily check and employee totals, a property or revenue center must start a new business day.

# Start of Day

Start of Day (SOD) is the process that begins a new business day at a property. The

SOD can be set to run automatically or manually.

When the time of day occurs that a new business day is automatically configured to start (for example, at 4:00 a.m. each day), the following actions occur in the order listed:

- Simphony FE increases the Business Day and updates the status of checks and employees.
- The PC Autosequence runs, and typically performs the following actions:
  - o Batches and settles credit cards
  - Runs custom applications for a property

After the SOD Autosequence completes, Simphony FE checks to see whether it is time to run other Autosequences (such as Start of Week Autosequence, Start of Pay Period Autosequence, and so on).

Many properties like to start a new business day manually at their own time (after a night auditor balances reports). Often these properties stop their Simphony FE and property management systems at the same time, roll to a new business day, and then bring the systems back up. An administrator can manually run SOD in Simphony FE using an interaction called PC Autosequence (from the EMC) or by pressing a button on the workstation. When SOD begins manually, Simphony FE performs the same actions as if it were run automatically. The only difference is the method by which SOD begins.

### Start of Business Day Rules

Simphony FE has business rules to determine how and when a business day can begin, and which business day is beginning. The rules exist for both automatic and manual SOD.

When starting a new business day, the following rules apply:

• SOD cannot be run twice in 8 hours.

- SOD cannot be run twice between midnight and noon.
- SOD cannot be run twice between noon and midnight.
- When a business day is scheduled to run automatically, it is not possible to start the business day manually with a PC Autosequence.

# Start-of-Day with Offline Workstations or Server

Workstations are aware of the business date configuration so that offline reports show relevant information. Consider the following scenario:

- Every business day begins at 3:00 p.m.
- On Tuesday at approximately 11:00 a.m., a property loses communication with the database (the property is in Yellow Mode).
- The site is offline until Friday afternoon.

In this situation, workstations run reports as if the Start-of-Day (SOD) occurred. For example, a report taken for today on Wednesday at 4:00 p.m., shows data from Wednesday at 3:00 a.m. (the time SOD would have occurred) to the current second when the report was taken. In addition, if days are configured for manual SOD, workstation reports assume that the business day begins 24 hours after the previous SOD occurred. In this situation, a dialog box appears on workstations informing the manager that a new business day has begun.

Catch-Up mode increases the business day after the Simphony FE server goes offline during an automatically scheduled SOD time period. Consider the following scenario:

- SOD is set to run automatically at 4:00 a.m.
- At 2:00 a.m., the Simphony FE server experiences a power failure.
- At 6:00 a.m., the Simphony FE server is online again.

In Catch-Up mode, the SOD Autosequence does not start. With Catch-Up mode, the business day still starts at 4:00 a.m. When Simphony FE comes online at 6:00 a.m., the PERIOD\_INSTANCE table is populated with rows to indicate that the business day started. The rows do not show a 6:00 a.m. run time, however. Catch-Up mode knows that the application was supposed to have started at 4:00 a.m., so the rows are created with 4:00 a.m. as the start time. Simphony FE can catch-up from up to two missed automatic start of days and make the appropriate PERIOD\_INSTANCE entries.

### Modifying the Automatic Start of Day

By default, Simphony FE runs automatic SOD at midnight. Use this procedure to set a different automatic SOD for your property.

- 1. Select the property, and then click Property Parameters.
- 2. Click the Calendar tab.
- 3. For each day of the week, select the Time at which to run SOD. All entries must be all AM or all PM.
- 4. Click Save.

# Configuring a Manual Start of Day

- 1. Select the Enterprise level, and then click **PC Autosequences**.
- 2. Insert a PC Autosequence record and name it Increment Business Day.
- 3. Open the record, and then select the Allowed Properties to view the autosequence.
- 4. (Optional) Add Parameters as appropriate. For example, you can enter a property number and exclude a revenue center number.
- 5. On the **Steps** tab, add a step, and then from the **Step Type** drop-down list, select **3 Increment Business Date**.
- 6. Click Save.
- 7. Select the property, and then click Property Parameters.
- 8. Click the Calendar tab.
- 9. Select **Run Manually** for each day of the week, and then select the **Increment Business Day** PC Autosequence.
- 10. If you are using Simphony FE version 1.8 or later, enter the latest time for that day at which to run SOD in the **Time** field for each day of the week.
  - a. In Simphony First Edition versions prior to 1.8, time is not configurable, and the latest time of day (by default) in which to run a manual SOD, is noon.
- 11. Click Save.

# 8 Payment and Currency

# **Understanding Credit Card Drivers**

A Credit Card Driver determines how the application communicates with a Credit Card Processor. Credit Card Drivers are configured at the Enterprise Scope, and then linked to Credit Card Merchant Groups.

### Configuring the VisaD Credit Card Driver

- 1. Select the Enterprise, and then click Credit Card Drivers.
- 2. Insert a record, enter Visa as the driver name, and then click OK.
- 3. Double-click the new record to open it.
- 4. Select 3 VISAD as the Type, and then enter the Maximum Batch Size.
- 5. The Maximum Batch Size field is available for banks and driver types that can only support a specific number of records during credit card settlement. Set the field to **0** to process all records in the same batch.
- 6. Select the appropriate options for the driver:

Option	Description
Include Expiration and Modified MSR Data during Settlement	Select to include the expiration date and modified Magnetic Strip Reader data during settlement.
Send RFID Data	Select to add RFID-related fields to the message. For some processors, this option is required for RFID transactions to be authorized and settled.
Enable Card-Level Results	Select to cause the driver to retrieve card-level results during authorization and return the data at settlement.
Enable POS Data Code	Select to cause the driver to report the POS Data Code at authorization and settlement.
Validate authentication once a day only	This option determines the frequency the application tests if the credit card processor's server certificate has been revoked. The test is performed using an industry standard Online Certificate Status Protocol (OCSP) server.
	If the default transaction performance interferes with business operations, select this option to perform the test on the first transaction after startup and then once per day.
	Deselect to perform test on every transaction.

#### Table 8-1 VisaD Credit Card Driver Options

7. Click the Internet tab, and then enter the following information:

Field	Description
Primary Internet Host	Enter the Primary Internet Host to receive the VisaD messages. This field is combined with the Primary Internet Port and Request URI to create the full address of the request location. For example, https://something.receiving- url.com:8180/Micros/process_transaction.cgi.
Primary Internet Port	Enter the Primary Internet Port to use in making VisaD messages. For example, 8180.
Secondary Internet Host	Enter the Secondary Internet Host to receive the VisaD messages if the primary host fails. This field is combined with the Primary Internet Port and Request URI to create the full address of the request location.
Secondary Internet Port	Enter the Secondary Internet Port to use in making VISAD messages if the primary host fails. This field is combined with the Primary Internet Host and Request URI to create the full address of the request location.
Request URI	Enter the Request URI to use when VISAD messages are sent to the processor. For example, /Micros/process_transaction.cgi.

Table 8-2 VisaD Credit Card Driver Internet Fields

- 8. Click the **Service Host** tab, and then select the service host or workstation where the credit card driver record is to run.
- 9. Click Save.

# **Understanding Credit Card Merchant Groups**

A Credit Card Merchant Group identifies a revenue center or property during Credit Card Authorization and Credit Card Batching.

# Configuring the Merchant Group for VisaD

- 1. Select the Enterprise, and then click Credit Card Merchant Groups.
- 2. Insert a record, enter a name for the merchant group, and then click OK.
- 3. Double-click the new record to open it.
- 4. Select **3 VISAD** as the **Type**, and then configure the following information:

Field	Description
Primary Authorization	Select the VisaD credit card driver record that you created in Configuring the VisaD Credit Card Driver from the and drop-down list.
Primary Settlement	Select the VisaD credit card driver record that you created in Configuring the VisaD Credit Card Driver from the and drop-down list.
Backup Authorization	Select the backup credit card authorization driver to use when the merchant group cannot establish communication with the Primary Authorization driver.
Backup Settlement	Select the backup credit card settlement driver to use when the merchant group cannot establish communication with the Primary Settlement driver.
Bank Identification Number	Enter the six-digit bank identification number assigned by the bank or processor in use.
Merchant Number	Enter the 12-digit number to use for identifying the merchant. This number is assigned by the bank or processor in use.
Store Number	Enter the four-digit number to use for identifying the merchant store. This number is assigned by the bank or processor in use.
Terminal Number	Enter the terminal number provided by the bank or processor.
Merchant Category Code	Enter the four-digit number assigned by the bank or processor to identify the merchant type. The drop-down list displays known category codes; if a different value is required, select <b>0</b> - <b>Use Other</b> , and then enter the to use in the <b>alt</b> field.
Industry Code	Select the value to identify the industry type to the merchant. This field is assigned by the bank or processor in use.
Country Code	Select the country where the merchant is located. The value for this field is assigned by the bank or processor.
Currency Code	Select a currency to use. The value for this field is assigned by the bank or processor.
Language Indicator	Select the language to use for Authorization Response messages returned to the workstation for display or printing. This field is used to designate the language in which

 Table 8-3 VisaD Merchant Group Settings

Field	Description
Time Zone Differential	Select the code used to calculate the local time within the Visa Net Authorization System. The value for this field is provided by the bank or processor.
Merchant Location	Enter the 13-character merchant location/city name provided by the bank or processor. For auditing purposes, the name should correspond to the location/city that prints on the Credit Card Voucher.
City Code (ZIP)	Enter the nine-character code used to further identify the merchant's location. Within the United States, the five or nine-digit zip code of the merchant's address is used. In other countries, this code is assigned by the bank or processor.
State	Enter the two-character code for the merchant state/province that is assigned by the bank or processor. For auditing purposes, the abbreviation that is used should correspond to the state/province code that prints on the Credit Card Voucher.
Batch Number	Enter a value (1-999) that is used to indicate the next sequence number. This number, which increments by one each time a new batch is created, is used by the processor to detect duplicate batches. The value for this field is provided by the bank or processor and it resets to 1 after 999 is reached.
Agent Bank Number	Enter the six-digit number that identifies the Agent Bank Number. The Agent Bank Number identifies the agent of the acquirer which signed the merchant. This value is provided to the merchant by the acquirer.
Agent Chain Number	Enter the six-digit number that identifies the Agent Chain Number. The Agent Chain Number identifies a specific chain of an agent organization; this number is provided by the merchant's bank or processor.

#### 5. Click Save.

# Assigning the VisaD Merchant Group to Properties and Revenue Centers

- 1. Select a property, and then click **Property Merchant Groups**.
- 2. From the Merchant Group column, select the VisaD merchant group record that you created for the appropriate properties or revenue centers.

3. Click Save.

# **Understanding Credit Card Preambles**

A Credit Card Preamble, sometimes called a Credit Card Prefix, is a digit or series of digits at the beginning of a credit card number that identifies the type of card that is being used. All credit cards are configured in the EMC in the Tender/Media module.

# Rules for defining credit card preambles

Adhere to the following rules for governing a valid credit card preamble:

- The Start and End preambles must end with an asterisk (\*). For example, 304\*
- The number of digits in the **Start** and **End** fields must be the same.
- The number of digits in the Start and End fields cannot exceed the Length defined.
- The value of the End field must be greater than the value of the Start field.

# Sample List of Preambles for the U.S.

The values listed below apply to all US sites, however there are additional types that are accepted in other countries and the local processor should be contacted for the specific list. The list also changes as card providers are bought out (for example, Discover purchased Diners Club in 2008) and should be updated regularly.

Start	End	Length	Card Type
4000000*	49999999*	16	Visa
51000000*	55999999*	16	MasterCard
222100*	272099*	16	MasterCard
3400000*	34999999*	15	American Express
37000000*	37999999*	15	American Express
36000000*	36999999*	14	Diners Club
38000000*	39999999*	16	Diners Club
3000000*	30599999*	16	Diners Club
30950000*	30959999*	16	Diners Club
35280000*	35899999*	16	JCB
60110000*	60110999*	16	Discover
60112000*	60114999*	16	Discover
60117400*	60117499*	16	Discover
60117700*	60117999*	16	Discover
60118600*	60119999*	16	Discover
62212600*	62292599*	16	Discover (CUP)
62400000*	62699999*	16	Discover (CUP)
62820000*	62889999*	16	Discover (CUP)
64400000*	65999999*	16	Discover

**Table 8-4 US Credit Card Preambles** 

-

# Tax Classes

A Tax Class is a collection of tax rates; Tax Classes determine the tax rates that apply to menu items and service charges, and also which tax rates are reduced by discounts.

# **EMC** Configuration

Tax Class records are configured in the Tax Classes module, found on the Setup tab, under the Taxes and Order Types header. This module is zoneable; Tax Class records can be configured at the Enterprise, in a Zone, or for a Property. There are two configurable fields for Tax Class records:

- Name The name field describes the types of Tax Rates that are enabled for the Tax Class. Tax Classes are commonly named **Food Tax** or **Beverage Tax**, etc.
- **Taxes Enabled** This is a field that contains the 64 Tax Rates that are available for the location. Any tax rate that is enabled, is active for the Tax Class.

### Menu Item Class

Each Menu Item Class can be linked to a Tax Class record. With this configuration, all Menu Item Definitions that are in the Menu Item Class will be taxed using the selected Tax Class record. For example:

- 1. A Tax Rate named "Liquor Taxes" exists and has an Inclusive Tax Rate of 6%.
- 2. A Tax Class named "Alcoholic Beverages" has one Tax Rate enabled, "Liquor Taxes".
- 3. A Menu Item Class named "Beer" is linked to the "Alcoholic Beverages" Tax Class.
- 4. All items in the Beer Menu Item Class will therefore be taxes at 6%.

### Services Charges

Each Service Charge record can be linked to a Tax Class. This configuration is generally used for banquet or room service environments, where specific types of Service Charges are required to be taxed.

### Discounts

Each Discount can be linked to a Tax Class; this configuration helps to determine which Tax Rate(s) should be discounted when an item is discounted. Consider this configuration:

- A \$5.00 sandwich is in a Menu Item Class and linked to a Tax Class with a 6% addon tax.
- A 100% discount is applied to a check that includes only the sandwich.

If the discount is linked to a Tax Class with a 6% add-on tax, the transaction has a balance of \$0. If the discount is not linked to a Tax Class, the transaction has a balance of  $0.30 (5 \times 6)$ .

# **Examples**

A Tax Class may contain zero to 64 active tax rates, but it is typical that a single Tax Class has one to three tax rates enabled. By grouping multiple tax rates into a single Tax Class, a programmer may see a record named **Food Tax** in other EMC modules, without having to worry about which tax rates are enabled.

A Tax Class can be programmed with multiple Inclusive Tax Rates, but then a workstation shows a, Tax class programming error. Only one inclusive tax rate allowed message, if more than one Inclusive Tax Rate is active at the time of the transaction.

The following examples illustrate common programming configurations for Tax Classes with multiple Tax Rates enabled:

# State and City Tax

In some jurisdictions, multiple Tax Rates apply to food items. Usually these Tax Rates must be calculated separately for accounting purposes (so each jurisdictional government can collect the appropriate tax amount). A common example is a restaurant that must pay taxes to both the state and the city:

- State: 5% tax
- City: 2% tax

In this example, the Food Tax Class has both the **State** and **City** tax rates enabled. The total tax for a food item would then be 7%.

## Liquor: Inclusive/Exclusive

For customer convenience, bars often use inclusive taxes. In some multi-RVC Properties, it is common that a bar RVC uses inclusive taxes while a restaurant RVC uses add-on taxes, even though the same items are being served. In this scenario, the configuration of a Liquor Tax Class would be something like this:

- Inclusive Tax Rate
- 5% Add-on Tax Rate, 5%

Using this configuration, a programmer would then configure either Order Types or Serving Periods to enable the appropriate Tax Rates in the RVCs.

RVC	Order Type Tax Configuration
Bar	Inclusive Tax Rate ENABLED
	Add-on Tax Rate DISABLED
Restaurant	Inclusive Tax Rate DISABLED
	Add-on Tax Rate ENABLED

#### Table 9-1 Using Order Types (Example)

# Tax Options Description

#### **RVC Parameters Module**

#### 1. Do Not Include Tax in Totals on Tip Reports

Select this option to prevent a transaction's calculated tax amount from posting to the gross receipts and charged receipts totals on tip reports.

#### 2. Require a Reference Entry with Tax Exemptions

Select this option to require operators to enter a reference entry when using an exempt tax function key.

#### 3. Print VAT Lines Before Summary Totals

Select this option to print VAT lines before summary totals on guest checks and customer receipts.

#### 4. Always Print VAT Lines Even if 0.00

Select this option to print VAT lines on guest checks and customer receipts even if the calculated tax due is \$0.00.

#### 5. Print Consolidated VAT Line on Checks and Customer Receipts

Select this option to print a consolidated VAT line. If you use this option in conjunction with individual VAT line printing, the consolidated line prints last.

#### 6. Print VAT Net Totals on Guest Checks and Customer Receipts

Select this option to print a VAT Net Totals line on guest checks and customer receipts.

#### 7. Print Tax Exempt Voucher

Select this option to print a voucher when any tax is exempted. The voucher prints when a tax exempt function key or a tender exempt's tax. The voucher prints at the validation printer designated for the workstation. Deselect this option to suppress printing of a tax exempt voucher.

### Foreign Tax Options

#### 1. Print Japanese Amount Due

Select this option to print the amount of Japanese tax due even if summary totals are suppressed for the Tender/Media.

#### 2. Allow Discounts to Affect Japanese Excise Tax Threshold

Select this option to allow discounts to change the amount of the threshold used for Japanese excise tax.

#### 3. Thai Tax Trailer Uses WS Number Instead of RVC Number

This option is only used when the **6 - Enable Thailand Tax Printing** option is enabled. Select this option to print the last two digits of the workstation number on the Tax Invoice and Account Record lines. Disable this option to print the last two digits of the revenue center number.
# 10 Canadian Goods and Services Tax (GST)

This article is meant to serve as a setup guide in configuring Canadian Goods and Services Tax (GST) along with a Resort Tax.

# **Overview**

For those sites in Canada that utilize the Sales Recording Module (SRM) feature (introduced in Simphony 1.5 Maintenance Release 4), and require a 'Resort Tax', be aware that the tax configuration is very specific when both the 'Goods and Services Tax (GST)' and the 'SRM' feature are enabled (see below).

- Tax Rate 1 must be configured as the 'Resort tax'
- Tax Rate 2 must be configured as the 'GST'
- Tax Rate 3 must be configured as the 'Provincial Sales Tax (PST)' respectively.

Additionally, under the Canadian Options tab-> the 'Use resort tax with Sales Recording Module' option should be enabled (further important details are shown below).

Sites with questions or concerns about this configuration should contact their Account Manager prior to making any changes.

# **EMC** Configuration

### Tax Table

Access the EMC from the Enterprise level and open the **Tax Table** module from the **General tab** and configure the appropriate Tax Types and percentages and **Save** all changes.

EMC File	Edit View Window F Tome Page / Printers ) eneral / Options /	telp Tax Table RVC Parar Canadian Options	n 🕒	Barcode	<b>♦ ♦ ا</b> ⊡ Search ץ Tax (	👬 🖪 📘 Classes 🌱 Works
Glot Ap	bal Tax Options oply tax as: Add-On Print Tax Itemizers	×	Non-	taxable Sales T Tax Sales	otal Name	
-	Tax Collected	Туре		Start	%	
	AVT/TRA	2 - Add On, Percentage	-	0.00	3.0000	Breakpoints
2	TPS/TVQ	2 - Add On, Percentage	-	0.00	5.0000	Breakpoints
2 3	TPS/TVQ TVQ/QST	2 - Add On, Percentage 2 - Add On, Percentage	•	0.00	5.0000 8.5000	Breakpoints Breakpoints

Figure 10-1 Tax Table

# **Canadian Options**

Access the **Canadian Options** tab and set the **First** and **Second Thresholds**. If using the SRM feature and you require a Resort Tax, enable the **Use resort tax with Sales Recording Module** option as shown below and **Save** all changes. This option should not be enabled unless the site is using the SRM feature and is required to charge a Resort tax.

Sites that use the SRM, but do not require a Resort tax, should have the GST configured as Tax Rate 1 and the PST as Tax Rate 2.

For those sites that are using the SRM, note the Context Sensitive Help (CSH) as shown below for the **Enable Canadian GST** option:

Select this option to enable Canadian GST. This option must be enabled if Property Parameter-> Option '38- Enable Sales Recording Module' is enabled.

Enabling the Property Parameter-> Option 38 ensures that the GST tax is properly levied, tracked and posted to the SRM.

# Provincial Sales Tax (PST)

Configure the various fields shown below and Save all changes.

Provincial Sales Tax (PST)	
PST Totals Name TVQ/QST Total	
Tax Rate 2	
Enable PST Tax Threshold 1	Enable PST Tax Threshold 2
Threshold 1 0.00	Threshold 2 0.00
Use if Other Itemizer is Zero	Use if Other Itemizer is Zero
Include Tax Itemizer 2	Include Tax Itemizer 2
Include Tax Itemizer 3	Include Tax Itemizer 3
Include GST	Include GST
Tax Rate 3	
Enable PST Tax Threshold 1	Enable PST Tax Threshold 2
Threshold 1 0.01	Threshold 2 0.01
Use if Other Itemizer is Zero	Use if Other Itemizer is Zero
✓ Include Tax Itemizer 2	Include Tax Itemizer 2
☑ Include Tax Itemizer 3	Include Tax Itemizer 3
Include GST	Include GST

Figure 10-2 Tax Table - Canadian Options tab for the Provincial Sales Tax (PST)

# Tax Classes

Access the Tax Classes tab and enable the applicable taxes and Save all changes.

Tax Table Tax Classes	
Current Record	
Number 1	Audit This Record
Name TPS/TVQ	
Taxes Enabled	
AVT/TRA	



# **Revenue Descriptors**

Access the **RVC Descriptors** module (per Revenue Center), specifically the **Canadian Tax Trailer** settings and enter the applicable Tax Rates that are printed on the bottom of Customer Receipts and **Save** all changes.

	Text	Use Logo	Logo
1	**HST #844545467		
2			
3	AVT/TRA 987653 AV001		
4	TPS 12345 6789 RT001		
5	TVQ 1234567890 TQ001		
6			<b>F</b>

Figure 10-4 Canadian Tax Trailer

# **RVC** Parameters

Access the RVC Parameters file for each applicable Revenue Center and for each active **Order Type** (under the **General Options** header), under the **Active Tax Rates** header, enable the desired Tax Rates and **Save** all changes.

General Search Opt	ions Format Posting and Control Order Types	Menu
Default Order Type		
Select Default Orde	r Type 1 - Total	
Configure Order Types		
Select Order Type	General Options: 1 - Total	
1 - Total 2 - 3 - 4 - 5 - 6 - 7 - 8 -	Order Type Is Active  1 - Print on Customer Receipt and Guest Check  2 - Print on Order Printer  5 - Do Not Post Transactions to Tip Report Totals	
Active Tax Rates: 1 - Total -		
Select All	□ 8 - □ 9 - □ 10 -	
Clear All	□ 11 - □ 12 - ▼	1

Figure 10-5 RVC Parameters Order Types - Active Tax Rates

# 11 Combo Meals

# **Understanding Combo Meals**

A Combo Meal is a bundle of menu items sold to a customer for a special price.

Enterprise Cash Management (EMC) programmers can:

- Create menu item records for combo meals from the Menu Item Maintenance module
- Define combo meal groups and menu items that comprise combo meals
- Define the sizes for side items
- Configure different prices for menu levels and side item sizes
- Workstation operators can:
- Use the auto-combo functionality to identify and then create combo meals
- Create a combo meal by selecting a primary menu item or by selecting each menu item separately
- Create multiple combo meals in a single action
- Change the size of a combo meal order or a side item
- Substitute side items in a combo meal

The Combo Meals feature is not supported on keyboard workstations (KWS).

# **Understanding Combo Meal Groups**

When a workstation operator presses one of the combo function keys, the workstation attempts to create combo meals by looking for menu items from different combo meal groups.



Figure 11-1 Example of Combo Meal Groups

For example, to create the combo meal Pizza Combo, a workstation operator can enter a menu item from each combo meal group in Figure 1 (for example, Pizza Large, Large Fries, and Cola) and then press the **Auto Combo** key.

# **Understanding Combo Meal Pricing**

Combo Meal modules ignore the menu item prices configured in the Menu Item Maintenance module. If you set a price for a side item in the Menu Item Maintenance module but not in Combo Meal Groups or Combo Meals modules, the workstation does not charge for the side item.

You can assign a single price for all side items in a combo meal group from the Combo Meals module under **Combo Group Price**.

To set individual prices for side items, define prices from the Combo Meal Groups module under **Combo Group Item Prices**. Prices assigned from the Combo Meal Groups module override the prices assigned from the Combo Meals module.

In summary, prices are prioritized in the following order:

- 4. Combo Group Item Prices (Combo Meal Groups module)
- 5. Combo Group Price (Combo Meals module)

From both modules, you can configure prices for up to eight menu levels.

The following options affect the combo meal prices:

- 1 Allow Discounts (Combo Meal Groups)
- 2 Substitution Group items use this sides price (Combo Meal Groups)
- 6 No Charge For Condiments (Combo Meals)
- 47 Suppress Price with Combo Meal (Menu Item Classes)
- 25 Discount Combo Meal Group Items (Discounts)

For more information about these options, see the Configuring Combo Meal Groups,

Configuring Combo Meals and Configuring Additional Combo Meal Options sections.

# **Configuring Combo Meals**

Configuring a combo meal consists of completing the tasks listed in Table 11-1 Overview of Configuring Combo Meals:

**Table 11-1 Overview of Configuring Combo Meals** 

Task	More Information
Adding menu items to a combo meal group	Configuring Combo Meal Groups
Grouping combo meal groups under a menu item master	Configuring Combo Meals
Configuring additional combo meal options	Configuring Additional Combo Meal Options
Configuring combo screens and adding function keys	Configuring Combo Meal Touchscreens

### Configuring Combo Meal Groups

- 1. Select a revenue center, and then select Combo Meal Groups.
- 2. Insert a new combo meal group record, enter the name, and then click OK.
- 3. Double-click the combo meal group record to open it in form view.
- 4. From the **General** tab, select the screen lookup (SLU) for the combo meal group items to appear.
- 5. Configure the options in the **Option Bits** section as described in Table 11-2.

#### **Table 11-2 Combo Meal Group Options**

Option	Description
1 - Allow Discounts	Select this option to have discounts apply to items in the group. You must also select the option <b>Discount Combo Meal Group Items</b> to link the discount to the menu item.
2 - Substitution Group items use this sides price	Select this option so that when substituting a combo meal side item from an alternate group, the workstation derives the price for the substituted item from the <b>Combo Group Price</b> in the Combo Meals module. Deselecting this option causes the workstation to derive the price from the alternate group.

(Optional) Select an alternate combo meal group from the Alternate Groups section.
 When alternate groups exist, the workstation operator can substitute a combo meal with an alternate group item using the Combo Alternate Side key.

- 7. Click the **Items** tab, and then click the **Add** link in the **Combo Group Items** section to add menu items to the combo meal group.
- 8. Configure each menu item in the combo meal group using the configuration listed in Table 11-3

Field or Option	Description
Primary Menu Item	Select a menu item to use in the combo meal group. You can select any menu item master record that has a definition in the revenue center.
Quantity	Enter the quantity of menu items required to complete the side item requirement when ordered as a default for a given order type.
	The quantity defined here overrides the quantity defined in the Combo Meals module
1 - Default when no Order Type declared	Select this option to make the item the default item for the combo group when a workstation operator creates a combo meal without defining an order type.
Default for Order Type 1-8	Select these options to configure the item as the default item when order type 1 through 8 is active.
10 - Autofill	Select this option to have the application automatically change the quantity to fulfill the <b>Quantity</b> requirement when a customer does not order one or more items required for the side to complete the combo meal.
Size (1-4) Item	Select a menu item to substitute the (default size) primary menu item when changing the size of a side item using the <b>Combo Size 1</b> through <b>Combo Size 4</b> function keys.
	<b>Size (1-4) Item</b> lists all items assigned to this combo group but only after they are saved.
	You cannot define prices for size items when a price for a menu level is active.
Size 1-4 Menu Levels	Select a menu level that affects the price of the substituted Size 1-4 Items. You cannot define prices for a menu level when a price for a size is already defined.

#### Table 11-3 Combo Group Item Configuration

9. Click the **Prices** subtab, and then click **Add** to configure prices for each item in the combo meal group. You can configure prices for eight menu levels per combo meal group item.

Field	Description
Price	Enter the price to charge for the item.
Active On Level	Select the menu level on which the price is active.
Effectivity Group	Select the effectivity group for this price (optional).
Date Start	Enter the start date for the effectivity group.
Date End	Enter the end date for the effectivity group.

#### Table 11-4 Combo Group Item Prices Configuration

10. Click Save.

# **Configuring Combo Meals**

After creating combo meal groups, from the Combo Meals module you can link a primary combo meal group (base item) and several side combo meal groups to a menu item master. Before assigning a menu item master, you need to create a menu item master record that identifies the combo meal from the Menu Item Maintenance module (for example, Combo Meal #1 or Pizza Combo).

- 1. Select a revenue center, and then select **Combo Meals**.
- 2. Insert a new combo meal record, enter the name, and then click OK.
- 3. Double-click the combo meal record to open it in form view.
- 4. Select a Menu Item Master (for example, Combo Meal #1 or Pizza Combo).
- 5. Define the Priority.

If you assign a menu item master record to more than one combo meal, **Priority** determines the order in which the workstation associates the combo meal with the menu item master when the workstation operator presses the **Auto Combo** function key.

6. Select from the optional configurations listed in Table 11-5 Combo Meal Configuration Option Bits for each item.

Option	Description
1 - Disable Auto-Combo Recognition	Select this option to prevent the workstation from considering this combo meal when the workstation operator uses the <b>Auto Combo</b> function key.
2 - Allow Auto-Combo in Previous Round	Select this option to allow the combo meal to consider previous-round items when the workstation operator uses the <b>Auto Combo</b> function key.
3 - Is Sized Combo Meal	Select this option to combine items only of the same size when the workstation operator uses the <b>Auto Combo</b> function key.
4 - Add Side Prices To Meal Price	Select this option to consolidate the side item prices with the parent combo meal. Deselect this option to have workstations and guest checks show the individual prices for combo meal group items.
5 - Only Print Priced Sides On Guest Check	Select this option so the receipt printer does not print the side items on guest checks when the side items have no prices or when the prices roll into the price of the meal.
6 - No Charge For Condiments	Select this option to set the condiments added to the combo meals at no charge.

#### **Table 11-5 Combo Meal Configuration Option Bits**

Option	Description
8 - Allow Resizing of Individual Sides	Select this option to allow workstation operators to change the size of a specific combo meal side item.
	Deselect this option to have workstation operators resize the entire combo meal.
	This option only applies to sized combo meals created using the <b>Combo Order Size 1-4</b> function keys.
9 - Do Not Show With Combo Meal Choices	Select this option to prevent the workstation from displaying the combo meal in the system- generated list of combo meals when the workstation operator can create multiple combo meals from existing menu items.
	For example, consider the following combo meals:
	Combo Meal 1 with the option 9 - Do Not Show With Combo Meal Choices set:
	• Burger
	• Fries
	Combo Meal 2 with the option 9 - Do Not Show With Combo Meal Choices disabled:
	• Burger
	• Sandwich
	When the workstation operator adds a Burger, Fries, and a Sandwich to a check and then presses the <b>Auto Combo</b> function key, the workstation does not show Combo Meal 1 as a combo meal choice.

- Click the Add link beneath Combo Groups, and then enter the Side Count. The Side Count defines the number of combo meal group items required for the combo meal.
- 2. Select a Side Item Group or a combo meal group.
- 3. Define prices for each menu level under **Combo Group Price**. Oracle recommends that you configure prices for combo meals with different sized items from the **Items** tab in the Combo Meal Groups module rather than the **Combo Group Price** table.
- 4. Click Save.

# Configuring Additional Combo Meal Options

You can configure the manner in which workstations identify combo meals, condiment pricing, and discounts from the following EMC modules: RVC Parameters, Menu Item Classes, and Discounts.

#### **RVC Parameters**

Option	Description
51 - Allow Auto Combo Meal Recognition with the "Combo" key	Select this option to allow the combo key to function with auto combo recognition. The system attempts to generate a combo meal using the selected item and the menu items that follow it on the check. If the workstation cannot generate a complete combo meal, the workstation creates the combo meal using the selected menu item and new menu items.
52 - Allow Creation of Combo Meals from Previous Round Menu Items	Select this option to consider the menu items ordered in previous rounds when creating combo meals.
55 - Show Combo Meal Choices	Select this option to have the workstation show a list of all combo meals available to create from the items on the check. If combo meal priorities are set, the list only includes meals found at the same priority. Otherwise, the workstation creates the highest priority combo meal found.
7 - Perform Auto Combo Recognition	When a workstation operator changes the order type to an order type with Auto Combo Recognition set, the workstation attempts to identify combo meals from the menu items available on the check and creates combo meals whenever possible.
12 - No Confirmation Required when Creating Combo Meals from Existing Items	Select this option to have the workstation create a combo meal without prompting for confirmation when the workstation operator presses the <b>Auto Combo</b> function key.
	Deselect this option to have the workstation show a dialog with the possible combo meals, prompting the workstation operator to confirm after pressing the <b>Auto Combo</b> function key.

Table 11-6 RVC Parameters O	Intions T	hat Control	Combo	Meals
	puons i		COUIDO	INICAIS

#### Menu Item Classes

Table 11-7 Menu Item	Classes C	<b>Options That</b>	<b>Control Combo</b>	Meals
----------------------	-----------	---------------------	----------------------	-------

Option	Description
47 - Suppress Price with Combo Meal	This option is for condiment menu items only. Select this option if there is no charge for condiments ordered as part of a combo meal.

#### Discounts

Option	Description
25 - Discount Combo Meal Group Items	Select this option along with the <b>Allow</b> <b>Discounts</b> option from the Combo Meal Groups module to have the application discount side items in the combo meal group.

#### Table 11-8 Discount Options That Control Combo Meals

### Remote Distributing Combo Meals

When using the Distribute functionality in the EMC, you must follow a logical order during the distribution task to prevent possible unlinked record settings. Distribute files from the "bottom up" in the following order:

- 1. Menu Item Classes
- 2. Menu Item SLUs (located in the RVC Descriptors module)
- 3. SLU Assignment
- 4. Menu Items
- 5. Combo Meal Groups
- 6. Combo Meals

## Configuring Combo Meal Touchscreens

The application provides multiple options for configuring combo meal touchscreens, depending on the restaurant's operational style. You can configure a combo meal touchscreen as a:

- Predetermined combo screen: You configure a combo screen to which workstation operators can navigate in order to create combo meals. When you configure a combo meal, you link menu item touchscreen keys to a menu item master item that is a combo meal
- À la carte combo screen: Workstation operators can select items that form a combo meal and then press a function key to create the combo meal. An à la carte combo screen may have different colored screen lookups to differentiate primary combo meal items from side combo items
- Combination of both types

#### **Adding Combo Meal Function Keys**

- 1. Select a revenue center, and then select Touchscreen Design.
- 2. Select the screen on which to place the function keys, and then add a new button.
- 3. Click the Key tab, and then select 11 Function from the Key Type drop-down list.
- 4. Click the right arrow adjacent to the **Key Number** field, and then select a combo meal function key.
- 5. Repeat Steps 2 through 4 to add the required combo meal function keys, and then click **Save.**

Table 11-9 Combo Meal Function Keys describes the use of each combo meal function key.

Function Key	Description
660 - Auto Combo	Creates combo meals from the menu items available on the check detail area.
	If the workstation can create multiple combo meals from the available menu items, the Combo Recognition dialog box shows the combo meals along with the combo meal savings.
661 - Combo	Creates a combo meal from the selected item or the last item on the check. The selected item must be a primary combo item.
	For example, if the combo meal is a burger (primary) with fries (side 1) and a drink (side 2), the workstation operator highlights the burger item before pressing the key.
662 - Combo Substitute	Substitutes a combo meal item with another combo meal item within the combo meal group.
663 - Combo Size 1 664 - Combo Size 2 665 - Combo Size 3 666 - Combo Size 4	Changes the size of a side item up to four sizes. If the workstation operator does not select an item, the workstation resizes the last item on the check.
667 - Uncombo	Ungroups combo meals into individual items.
668 - Combo Order Size 1 669 - Combo Order Size 2 670 - Combo Order Size 3 671 - Combo Order Size 4	Designates the combo meal as a sized meal (based on the selected order size) prior to creating the combo meal. For example, if the workstation operator presses <b>Combo</b> <b>Order Size 2</b> and then creates a combo meal, the workstation limits the choices for the combo meal group items to the <b>Size 2 Items</b> defined in the Combo Meal Groups module.
672 - Bulk Combo Order	Creates multiple combo meals up to 99 at once. Use this key to add combo meals to the guest check in quantity. For example, workstation operators can add ten Hamburger Combo Meals to a check without individually ordering the side items for each combo meal.
673 - Combo Alternate Side	Substitutes a combo meal side item with an item from <b>Alternate Groups</b> in the Combo Meal Groups module.
674 - Combo Multi Selection	Creates a combo meal from the items selected on the check detail provided they belong to a combo meal defined in the EMC. This enables workstation operators to control what is in the combo meal.

Table	11-9	Combo	Meal	Function	Keys
-------	------	-------	------	----------	------

# **Creating Combo Meals**

The following subsections provide steps to create combo meals at the workstation.

# Creating Combo Meals Automatically

- 1. Begin a check and add menu items.
- 2. Press the Auto Combo key.
- 3. Do one of the following:
- If the workstation can create only one combo meal, press **Enter** to confirm the combo meal.
- If the workstation can create multiple combo meals, select a combo meal from the Combo Recognition dialog box, and then press **OK**.

# Creating Combo Meals Using the Combo Key

1. Add menu items, and then select a primary side item from which you want to create a combo meal.

If you proceed without selecting a menu item, the workstation attempts to create a combo meal using the last item ordered.

2. Press the **Combo** key. If the selected item or the last entered item is a primary side item in a combo meal, the workstation creates the combo meal.

If you define an order type before pressing the combo key and a default item is set for the order type from the Combo Meal Groups module, the workstation adds the default item to the check.

3. Select the side items from other combo meal groups to complete the combo meal.

### Creating Combo Meals Using Menu Item Keys

You can create combo meals by pressing a **Menu Item** function key assigned to a Menu Item Master.

- 1. Press the menu item key, and then select the side items.
- 2. Repeat to select side items from other Combo Meal Groups.

### Bulk Ordering Combo Meals

- 1. Press the **Bulk Combo Order** function key, and then select a combo meal master item.
- 2. Enter the quantity of combo meals, and then press **Enter**. You can order up to 99 combo meals.
- 3. Select the combo side item and amount, and then press Enter.
- 4. If the number entered is less than the quantity of side items required to complete the combo meal, you must select again until the workstation meets the quantity requirement for the bulk order. Side items may include different side items.
- 5. Repeat Step 3 to add all side items.

# Creating Combo Meals Using the Combo Multi Selection

The **Combo Multi Selection** function key allows you create a combo meal by highlighting menu items from the check detail area.

- 1. Enter menu items.
- 2. Select the menu items from which you want to create a combo meal.

- **3.** Press the **Combo Multi Selection** key. If the workstation can create a combo meal, the Combo Recognition dialog box appears.
- 4. Press Enter to confirm the combo.

# Performing Other Combo Meal Functions

# Changing the Size of a Combo Meal Side Item

Select one or more side items, and then press any of the following function keys to change the portion or size (upsize or downsize) of the side items that accompany a combo meal.

- Combo Size 1
- Combo Size 2
- Combo Size 3
- Combo Size 4

You cannot change the size of a side item on a reopened check.

### Changing the Size of a Combo Meal

Press the sizing function keys before creating combo meals to define the combo meal size.

- Combo Order Size 1
- Combo Order Size 2
- Combo Order Size 3
- Combo Order Size 4

Before using the Combo Order Size keys, ensure that you have:

- 1. Defined the order sizes for side items from the Combo Meal Groups module.
- 2. Disabled the 8 Allow Resizing of Individual Sides option from the Combo Meals module.

### Substituting or Changing an Alternate Side Item

To select another side item from the same combo meal group, select a side item, and then press **Combo Substitute**.

To select a side item from alternate groups, select a side item, and then press **Combo** Alternate Side.

### **Ungrouping Combo Meals**

Select the parent menu item of the combo meal, and then press Uncombo.

### Voiding a Combo Meal

Select the parent item of the combo meal, and then press Void.

# 12 Gift and Loyalty Programs

# **Understanding Loyalty Programs**

Oracle MICROS Gift and Loyalty Advanced, hereinafter, Gift and Loyalty, is a customer relationship management (CRM) application that allows properties to manage pointbased loyalty card programs and stored value cards (SVC) (also known as gift cards). Gift and Loyalty tracks customer activities (such as frequency of visits, spending, and loyalty account balance) and reports the information through Simphony's enterprise reporting module. Simphony First Edition then sends this information to Gift and Loyalty.

Table 12-1 Types of Loyalty Programs lists common types of loyalty programs:

Loyalty Program	Description
Points earned per transaction or per visit	An award given for X number of visits. The award could be a discount, coupon for future visit, or stored value added to the loyalty account for later redemption.
Points earned per dollar spent	An award given for X dollars spent. The award could be a discount, coupon for future visit, or stored value added to the loyalty account for later redemption.
Discount card	Each time the workstation operator swipes a card, the check receives an automatic discount. Restaurants typically use discount cards to control employee meal discounts.
Category club card	The customer earns points when ordering a specific type of menu item (for example, burgers).

**Table 12-1 Types of Loyalty Programs** 

# **Understanding Stored Value Programs**

A stored value program allows a guest to establish a prepaid account to use for purchases at a property. The prepaid payment vehicle is a stored value card with an associated monetary value. A gift card is an example of a stored value card containing a prepaid amount.

# Configuring a Gift and Loyalty Interface

You can configure loyalty interfaces using the EMC. The stored value (gift card) and loyalty interfaces share a configuration. If multiple properties need access to the interface, create separate Gift and Loyalty interfaces for each property.

- 1. Select the enterprise, and then click Interfaces.
- 2. Click the insert record button to add a new Gift and Loyalty interface service and attach it to the appropriate Service Host.
- 3. Double-click the new interface record, and then configure the General tab as described in Table 12-2 Interfaces General Fields.

#### **Table 12-2 Interfaces General Fields**

Field	Description
Communication Name	Enter the name for the interface based on the site.
Interface Type	Select <b>6</b> - <b>iCare</b> to use the Gift and Loyalty Advanced interface. Select <b>5</b> - <b>Stored Value</b> to use the standard loyalty and stored value interfaces.
Timeout	Enter the amount of time (in seconds) that Simphony First Edition waits for a response from the Gift and Loyalty Advanced interface.

1. On the iCare Options tab, configure the fields as described in Table 12-3 Interfaces iCare Fields.

Table 12-3 Interfaces iCare Fields
------------------------------------

Field or Option	Description
Certificate File (optional)	If a unique certificate file is being implemented, specify the location of the certificate file.
URL	Enter the web address path to the Gift and Loyalty Advanced server.
Ignore Server Certificate	Select this option to ignore the server certificate. If you entered a certificate file, deselect this option.
Log iCare Client Debug Data	Select this option to have Simphony log the Gift and Loyalty Advanced client debug information.
Log iCare Client Message Data	Select this option to have Simphony log the Gift and Loyalty Advanced client message request and response information.

2. On the **Properties** tab, select the property that uses the Gift and Loyalty interface, and then click Save.

- 3. Select the property, and then select Property Parameters.
- 4. On the **Workstations** tab, enter the **iCare Login** and **Password** to be used by the property's workstations, and then click **Save**.
- 5. Select the revenue center, and then click **RVC Parameters**.
- 6. On the **Interfaces** tab, select the Gift and Loyalty interface you created in Step 2, and then click **Save**.
- 7. Repeat Steps 5 and 6 for each revenue center that uses the Gift and Loyalty interface.
- 8. Repeat Steps 1 through 7 for each Gift and Loyalty interface.

# Configuring the Stored Value Cards Module for a Revenue Center

You can configure a revenue center to use the Stored Value Cards module either with or without Gift and Loyalty Advanced settings.

- 1. Select the revenue center, and then select Stored Value Cards.
- 2. Insert a new stored value card record, enter the name, and then click OK.
- 3. Double-click the stored value card record to open it in form view.
- 4. Select the appropriate loyalty or stored value Interface from the drop-down list.
- 5. Select iCare Interface to have the Stored Value Cards module use Gift and Loyalty Advanced settings. Deselect iCare Interface if you do not use Gift and Loyalty Advanced settings.
- 6. Depending on the selection in Step 5, continue with the steps in the appropriate section below.

# With Gift and Loyalty Advanced Interface

**1.** Configure the fields described in below.

#### Table 12-4 iCare Fields

Field	Description
Currency ISO Code	The three-character code which represents the currency used. Refer to http://www.currency- iso.org/dll_iso_table_al.xls for a list of
	= Euro, USD = US Dollar).
Language ISO Code	The two-character code which represents the language used. Refer to http://www.loc.gov/standards/iso639- 2/php/code_list.php for a list of language ISO 639-1 codes (for example, EN = English, ES = Spanish).
Log Level	The level of debugging detail included in the log files.

Field	Description
Account Number Min Length	The minimum length of a stored value account number.
Account Number Max Length	The maximum length of a stored value account number.
Default Cash Tender	The name of the cash module to use for redemptions.
Max Card Activation Quantity	The maximum number of stored value cards that can be activated with the Activate Batch of Gift Cards function.
Max Card Issue Quantity	The maximum number of stored value cards that can be issued with the Issue Batch of Gift Cards function.

2. Select the appropriate options described below.

•	
Option	Description
Always Print Stored Value Results	Select this option to automatically print a chit after each successful stored value operation.
Never Display Stored Value Results	Select this option to hide the results of successful stored value operations (requiring a touch to continue) before returning.
Remove Stored Value Results Print Button	Select this option to hide the <b>Print</b> button from the stored value results. This is useful when you select <b>Always Print Stored Value</b> <b>Results</b> .
Remove Stored Value Guest Name Lookup Button	Select this option to remove the <b>Guest Name</b> <b>Lookup</b> button from the account number entry screen. Selecting this option disables the Guest Name Lookup feature.
Remove Stored Value Phone Number Lookup Button	Select this option to remove the <b>Phone</b> <b>Number Lookup</b> button from the account number entry screen. Selecting this option disables the Phone Number Lookup feature.
Always Print Loyalty Results	Select this option to automatically print a chit after each successful loyalty operation.
Never Display Loyalty Results	Select this option to have successful loyalty operations not show results (requiring a touch to continue) before returning.
Remove Loyalty Results Print Button	Select this option to hide the <b>Print</b> button from the loyalty results. This is useful when

#### Table 12-5 iCare Options

you select Always Print Loyalty Results.

Option	Description
Remove Loyalty Guest Name Lookup Button	Select this option to remove the <b>Guest Name</b> <b>Lookup</b> button from the account number entry screen. Selecting this option disables the Guest Name Lookup feature.
Remove Loyalty Phone Number Lookup Button	Select this option to remove the <b>Phone</b> <b>Number Lookup</b> button from the account number entry screen. Selecting this option disables the Phone Number Lookup feature.

3. Click Save.

# Without Gift and Loyalty Advanced Interface

- 1. For each Default Check Detail Item, select the appropriate method for the stored value function (for example, tender, menu item, service charge, discount, and so on).
- 2. Enter the number of chits to print for each stored value function.
- 3. Select Mask Account Number on Chits to conceal the stored value card account number when it appears on guest checks and customer receipts.
- 4. Click Save.

# **Configuring Employees**

- 1. Select the enterprise, and then select **Roles**.
- 2. Select a role, click the **Operations** tab, and then click the **Stored Value Cards** subtab.
- 3. Configure the employee privilege options as described below.

#### Table 12-6 Employee Privileges

Issue Options	Select this option to allow employees to:	
Authorize/Perform Issue Stored Value Function	Issue a stored value card.	
Authorize/Perform Void Issue Stored Value Entry	Void an issued card. Employees can perform Touch Voids and Direct Voids, but cannot perform Last Item Voids and Returns.	
Authorize/Perform Issue Stored Value Batch Function	Issue a batch of stored value cards.	
Authorize/Perform Void Issue Stored Value Batch Entry	Void a batch of stored value cards. Employees can perform Touch Voids and Direct Voids, but cannot perform Last Item Voids and Returns.	
Authorize/Perform Activate Stored Value Function	Activate a stored value card.	
Authorize/Perform Void Activate Stored Value Entry	Void the activation of a stored value card. Employees can perform Touch Voids and Direct Voids, but cannot perform Last Item Voids and Returns.	
Authorize/Perform Activate Stored Value Batch Function	Activate a batch of stored value cards.	
Authorize/Perform Void Activate Stored Value Batch Entry	Void the activation of a batch of stored value cards.	
Reload and Redeem Options	Select this option to allow employees to:	
Authorize/Perform Reload Stored Value Function	Reload (add credit) a dollar amount to an existing stored value card.	
Authorize/Perform Void Reload Stored Value Entry	Void a reload transaction.	

Issue Options	Select this option to allow employees to:	
Authorize/Perform Redeem Authorization Stored Value Function	Perform a redemption authorization.	
Authorize/Perform Void Redeem Authorization Stored Value Entry	Void a redemption authorization.	
Authorize/Perform Redeem Stored Value Function	Perform a redemption transaction (a customer makes a purchase using a stored value card, and the application deducts a dollar amount from the customer's account).	
Authorize/Perform Void Redeem Stored Value Entry	Void a redemption transaction.	
Authorize/Perform Manual Redemption Stored Value Function	Perform a manual redemption.	
Authorize/Perform Void Manual Redemption Stored Value Entry	Void a manual redemption transaction.	
Point Options	Select this option to allow employees to:	
Authorize/Perform Issue Stored Value Points Function	Issue points to a stored value card.	
Authorize/Perform Void Issue Stored Value Points Entry	Void the issued points on a stored value card. Employees can perform Touch Voids and Direct Voids, but cannot perform Last Item Voids and Returns.	
Authorize/Perform Redeem Stored Value Points Function	Perform a point's redemption transaction.	
Authorize/Perform Void Redeem Stored Value Points Entry	Void a point's redemption transaction.	
Other Stored Value Card Options	Select this option to allow employees to:	
Authorize/Perform Manual Entry of Stored Value Card Number	Manually enter the stored value card account number.	
Authorize/Perform Stored Value Cash Out Function	Debit some or all of the remaining balance on a stored value card.	
Authorize/Perform Stored Value Balance Inquiry Function	Check a stored value card balance.	
Authorize/Perform Stored Value Balance Transfer Function	Transfer the balance from one stored value card to another.	
Authorize/Perform Stored Value Point Inquiry Function	Check a stored value card point balance.	
Authorize/Perform Stored Value Report Generation Function	t Generate stored value card reports.	
Loyalty Options	Select this option to allow employees to:	
Authorize/Perform Loyalty Coupon	Request a list of available coupons for a loyalty account.	

Issue Options	Select this option to allow employees to:	
Authorize/Perform Accept Loyalty Coupon Function	Redeem a coupon associated with a loyalty account.	
Authorize/Perform Void Accept Loyalty Coupon Entry	Void the coupon redemption.	
Authorize/Perform Issue Loyalty Coupon Function	Issue a coupon to a loyalty account.	
Authorize/Perform Issue Loyalty Points Function	Issue points to a loyalty account.	
Authorize/Perform Void Issue Loyalty Points Entry	Void the point issuance.	
Authorize/Perform Redeem Loyalty Points Function	Accept or redeem points to apply towards the balance of a check.	
Authorize/Perform Void Redeem Loyalty Points Entry	Void the point redemption.	
Authorize/Perform Redeem and Issue Loyalty Points Function	Redeem points and issue additional points to a loyalty account.	
Authorize/Perform Void Redeem and Issue Loyalty Points Entry	Void the points redemption and issuance	
Authorize/Perform Loyalty Balance Inquiry Function	Request a point's balance for a loyalty account.	
Authorize/Perform Loyalty Unique Item Inquiry Function	Request a list of unique menu items that were ordered on a program associated with a loyalty account.	
Authorize/Perform Loyalty Balance Transfer Function	Transfer the points balance associated with one loyalty account number to another loyalty account.	
Authorize/Perform Void Stored Value Cash Out Function	Void a stored value card cash out transaction.	
Authorize/Perform Apply Loyalty Card to Check	Redeem points	

1. Click the Transactions tab, and then configure the options as described in the table below.

#### Table 12-7 Service Charge and Discount Options

Service Charge and Discount Options	Select this option to allow employees to:	
Authorize/Perform "Accept Coupon" Stored Value Function	Perform the Accept Coupon stored value function.	
Authorize/Perform "Void Accept Coupon" Stored Value Function	Perform the Void Accept Coupon stored value function.	

2. Click Save.

# Configuring a Gift and Loyalty User Interface Touchscreen

- 1. Select the revenue center, and then click **Touchscreen Design** under either the workstation or Mobile MICROS device (depending on the device used to access Gift and Loyalty functions).
- 2. Insert a record for the Gift and Loyalty screen or select the existing screen for gift and loyalty functions.
- 3. Click the Key tab, and then enter the button name in the Legend field.
- 4. From the Key Type field, select 11 Function.
- 5. Click the **Key Number** arrow, and then select the appropriate gift or loyalty key function.
- 6. Position and size the button on the screen, and then click Save.
- **7.** Repeat Steps 3 through 6 to add buttons for all supported Gift and Loyalty functions. The table below lists the Gift and Loyalty functions and descriptions.

Function	Description	
Look Up Patron	Look up guest information by name, phone number, or account number.	
Issue Points	Issue points to a loyalty account.	
Redeem Points	Redeem points to apply toward the balance of a guest check.	
Loyalty Points Inquiry	Request the points balance for a loyalty account.	
Transfer Loyalty Points Balance	Transfer the points balance and guest personal information associated with one loyalty account number to another loyalty account.	
Issue Coupon	Issue an ad hoc coupon from Gift and Loyalty Advanced to a guest loyalty account.	
Redeem Coupon	Accept or redeem a coupon to apply towards the balance of a guest check.	
Coupon Inquiry	Request a list of coupons available for a loyalty account.	
Request Unique Items	Request a list of unique menu items that have been ordered on a program associated with a loyalty account.	
Issue Gift Card	Issue a single SVC for a dollar value that the guest determines at the time of purchase.	
Activate Gift Card	Activate a single pre-loaded (preset) value SVC. The system prompts the workstation operator for the pre-defined dollar value to validate.	

#### **Table 12-8 Gift and Loyalty Button Functions**



Function	Description	
Reload Gift Card	Add funds to a single existing SVC.	
Cash Out Gift Card	Obtain a cash payment for the remaining balance on an SVC account.	
Gift Card Balance Inquiry	Request the dollar value available on an SVC.	
Transfer Gift Card Balance	Transfer the funds and guest personal information (if applicable) associated with one SVC to another SVC.	
Redeem Gift Card	Pay for a guest check balance using an SVC.	
Redeem Gift Card w/Authorization	Obtain authorization for the amount to be redeemed from the SVC.	
Issue Batch of Gift Cards	Issue multiple SVCs for a dollar value that the guest determines at the time of purchase.	
Activate Batch of Gift Cards	Activate multiple SVCs (the system prompts the workstation operator for the pre-defined dollar value to validate).	

# Using Loyalty and Stored Value Cards at the POS

After signing in to the POS client, the workstation operator can perform the following loyalty and stored value functions. When a loyalty or stored value account has multiple programs, the application prompts the workstation operator to select the program. The order in which the program prompt appears (before or after account number entry) varies depending on the function.

### Looking Up a Patron

You can look up a guest's loyalty or stored value account if the guest information was entered through the Gift and Loyalty Advanced website.

- 1. Go to the gift and loyalty screen, and then press the function key to look up a patron.
- 2. Enter the loyalty cardholder's account number, guest name, or phone number.

### **Issuing Points**

- 1. Begin a check, and then add items that trigger loyalty points.
- 2. Go to the gift and loyalty screen, and then press the function key to issue points.
- 3. Swipe the card or enter the loyalty account number.
- 4. When the POS shows a message indicating the points issuance:
- If the loyalty account is associated with a Points to Dollars program and the customer reaches the threshold to award dollars to the stored value program, click Yes to redeem the gift card award immediately. If multiple stored value programs exist, select the stored value program.
- If coupons are available, select a coupon from the list of coupons.
- 5. Perform either a service total or tender the check.

# **Redeeming Points**

You can only redeem points for a Pay with Points loyalty program.

- 1. Begin a check, and then add items.
- 2. Go to the gift and loyalty screen, and then press the function key to redeem points.
- 3. Swipe the card or enter the loyalty account number.
- 4. Perform one of the following operations:
- Pay the full amount or full point balance (whichever is less).
- Enter an amount.
- Issue points (if a guest does not have enough points or decides not to redeem points).

# Performing a Loyalty Balance Inquiry

You can perform this operation either during or outside of a transaction. When you perform a balance inquiry, you can only print the results (you cannot apply the balance to a check).

- 1. (Optional) Begin a check, and then add items.
- 2. Go to the gift and loyalty screen, and then press the function key for the loyalty point's inquiry.
- 3. Swipe the card, enter the card number, or look up the account by name or phone number. A message appears indicating the loyalty account balance.
- 4. Press **Yes** to print the chit.

### Transferring Points Balance

You can perform this operation either during or outside of a transaction.

- 1. (Optional) Begin a check, and then add items.
- 2. Go to the gift and loyalty screen, and then press the function key to transfer points balance.
- 3. Swipe the card or enter the card number of the account to transfer from.
- 4. Swipe the card or enter the card number of the account to transfer to.

### **Issuing Coupons**

You can perform this operation either during or outside of a transaction.

- 1. (Optional) Begin a check, and then add items.
- 2. Go to the gift and loyalty screen, and then press the function key to issue a coupon.
- 3. Swipe the card or enter the loyalty account number. A list of coupons appears.
- 4. Select a coupon.

### **Redeeming Coupons**

- 1. Begin a check, and then add items.
- 2. Go to the gift and loyalty screen, and then press the function key to redeem a coupon.

3. Enter the coupon number obtained from the Gift and Loyalty Advanced website or email.

# Performing a Coupon Inquiry

You can perform this operation either during or outside of a transaction.

- 1. (Optional) Begin a check, and then add items.
- 2. Go to the gift and loyalty screen, and then press the function key to look up coupons.
- 3. Swipe the card or enter the loyalty account number. A list of coupons appears.
- If a check is open, select a coupon to redeem.
- If a check is not open, press **Yes** to print the coupon.

# Performing Unique Items Inquiry

You can perform an inquiry about unique items for round robin programs. You can perform this operation either during or outside of a transaction.

- 1. (Optional) Begin a check, and then add items.
- 2. Go to the gift and loyalty screen, and then press the function key for unique items inquiry.
- 3. Swipe the card or enter the loyalty account number. A list of menu items that were ordered for the loyalty program appears.
- 4. (Optional) Print the list of items.

## Issuing Gift Cards

- 1. Begin a check.
- 2. Go to the gift and loyalty screen, and then press the function key to issue a gift card.
- 3. Swipe the card or enter the card number.
- 4. Enter the card amount.
- 5. Pay the check to a tender, such as cash or credit card.

### Activating Gift Cards

- 1. Begin a check.
- 2. Go to the gift and loyalty screen, and then press the function key to activate a gift card.
- 3. Swipe the card or enter the card number.
- 4. Enter the preset card amount.
- 5. Pay the check to a tender, such as cash or credit card.

# **Reloading Gift Cards**

- 1. Begin a check.
- 2. Go to the gift and loyalty screen, and then press the function key to reload a gift card.
- 3. Swipe the card or enter the card number.
- 4. Enter the amount to add to the card.
- 5. Pay the check to a tender, such as cash or credit card.

# Cashing Out Gift Cards

You must perform this operation outside of a transaction.

- 1. Go to the gift and loyalty screen, and then press the function key to cash out a gift card.
- 2. Swipe the card or enter the card number.
- 3. Pay the card balance as cash due to the guest.

# Performing a Balance Inquiry

You can perform this operation either during or outside of a transaction. When you perform a balance inquiry, you can only print the results (you cannot apply the gift card balance to a check).

- 1. (Optional) Begin a check, and then add items.
- 2. Go to the gift and loyalty screen, and then press the function key for gift card balance inquiry.
- 3. Swipe the card, enter the card number, or look up the account by name or phone number. A message appears showing the card account balance.
- 4. Press Yes to print the chit.

# Transferring Gift Card Balance

You can perform this operation either during or outside of a transaction.

- 1. (Optional) Begin a check, and then add items.
- 2. Go to the gift and loyalty screen, and then press the function key to transfer the gift card balance.
- 3. Swipe the card or enter the card number of the account to transfer from.
- 4. Swipe the card or enter the card number of the account to transfer to.

### Redeeming and Authorizing Gift Cards

This function is similar to a credit card authorization. The system verifies the amount available on the gift card, but it does not apply the amount to the check. You must redeem the gift card (see the

Redeeming Gift Cards section) to finalize the amount.

- 1. Begin a check.
- 2. Go to the gift and loyalty screen, and then press the function key to redeem a gift card with authorization.
- 3. Swipe the card or enter the card number.
- 4. Enter the amount to authorize from the card.
- If the amount is less than or equal to the gift card balance, the authorization succeeds. The authorization approves only the gift card balance.
- If the amount exceeds the gift card balance, the authorization fails.

# Redeeming Gift Cards

- 1. Begin a check.
- 2. Go to the gift and loyalty screen, and then press the function key to redeem a gift card.
- 3. Swipe the card or enter the card number.
- 4. Enter the amount to redeem from the card.
- If the amount is less than or equal to the gift card balance, the card balance is applied to the check and deducted from the card.
- If the amount exceeds the gift card balance, the full card balance is applied to the check and the card balance becomes \$0.00. Apply another tender (cash or credit card) to pay the remaining check balance.

# Issuing a Batch of Gift Cards

You can use the Issue Batch function to issue multiple cards for the same amount (rather than issuing each one individually).

- 1. Begin a check.
- 2. Go to the gift and loyalty screen, and then press the function key to issue gift cards in bulk.
- 3. Select the stored value program, and then press OK.
- 4. Enter the card amount.
- 5. Enter the number of cards to issue, and then press Yes to confirm.
- 6. Swipe each card or enter each card number, and then press **OK** to confirm.
- 7. Pay the check to a tender, such as cash or credit card.

### Activating a Batch of Gift Cards

- 1. Begin a check.
- 2. Go to the gift and loyalty screen, and then press the function key to activate gift cards in bulk.
- 3. Select the stored value program, and then press OK.
- 4. Enter the preset activation amount.
- 5. Enter the number of cards to activate, and then press **Yes** to confirm.
- 6. Swipe each card or enter each card number, and then press **OK** to confirm.
- 7. Pay the check to a tender, such as cash or credit card.

# Reversing a Loyalty or Stored Value Operation

If you make an error while performing a loyalty or stored value card operation (for example, manually entering an incorrect number of cards during bulk issue or activation), you can reverse the operation (except for card redemption with multiple programs). You can either void or cancel the transaction, depending on whether the check is open or closed.

You cannot reverse operations using the following functions:

- Last Item Void (pressing Void two times without selecting a transaction on the check)
- Return (pressing Return and then add an item with a negative amount)

#### Reversing a Transaction in the Current Round on an Open Check

Perform one of the following steps to reverse a card operation for the current round on an open check prior to service total:

- With the check open and visible on the screen, press **Transaction Cancel** twice to cancel the entire current round.
- Select the Gift and Loyalty Advanced transaction in the check detail, and then press **Void** to cancel it.

# Reversing a Transaction in the Previous Round After Service Total or Closed Check

Follow these steps to reverse a card operation for a previous round after performing a service total on an open check, or reopening a closed check.

- 1. If the check is closed, press the function key for **Edit or Reopen Closed Check**.
- 2. Select the Gift and Loyalty Advanced transaction in the check detail, and then press **Void**. (After the Void operation, you cannot cancel the transaction.)
- 3. Perform a service total, or pay the check to the correct tender type and amount.

#### Reversing a Gift Card Redemption with Multiple Stored Value Programs

You cannot reverse a stored value card redemption when the card links to multiple stored value programs. In this scenario, you must reload the stored value card on the same check. The system then reapplies the funds deducted.

- If the check is closed, begin with step 1.
- If the check is open, sign in, pick up the check, and begin with step 2.
- 1. Press the function key for Edit or Reopen Closed Check.
- 2. Go to the gift and loyalty screen, and then press the function key to reload a gift card.
- 3. Swipe the card or enter the card number.
- 4. Enter the amount to add to the card. (This is the amount for which the card was redeemed.)
- 5. Pay the check to the correct tender type and amount.

# 13 Menu Item Waste

# **Understanding Menu Item Waste Checks**

In restaurants, menu item waste describes discarded menu items resulting from spillage, spoilage, or compromised quality standards. There are four main characteristics of the menu item waste check:

- 1. A menu item waste check does not post to sales.
- 2. Inventory is depleted when the application posts waste.
- 3. A menu item waste check closes after posting. (Service Total, Cash, and Print functions all close a waste check.)
- 4. Wasted menu items appear in the waste reports. Managers can generate waste reports by revenue center, menu item, employee, and waste reason code. Depending on the reasons for waste, managers can take action to reduce inventory loss.

When menu item waste occurs, authorized workstation operators can begin a menu item waste check and then enter wasted menu items.

The table below lists the functional differences between menu item waste checks and guest checks.

Function	Menu Item Waste Check	Guest Check
Order devices (kitchen displays, printers) print items post as part of check	No	Yes
Re-open/adjust closed check	No	Yes
Apply discount	No	Yes
Apply service charge	No	Yes
Return item	No	Yes
Edit seat	No	Yes
Split check	No	Yes
Tender check to credit card, room charge, or gift card	No	Yes
Send and Stay	No	Yes
Autofire	No	Yes
Use team member functionality	No	Yes

#### Table 13-1 Differences Between Waste Checks and Guest Checks

# Configuring Menu Item Waste

## Adding a Declare Waste Button

- 1. Select the revenue center, and then click **Touchscreen Design** under the workstation.
- 2. Select the screen on which to place the Declare Waste button.
- 3. From the **Key Type** field, select **11 Function**.
- 4. Click the Key Number arrow, and then select the Declare Waste function.
- 5. Position and size the button on the screen, and then click **Save**.

# Allowing Employees to Begin Waste Checks

- 1. Select the enterprise, click **Personnel**, and then click **Roles**.
- 2. Click the **Operations** tab, and then click the **Guest Checks** subtab.
- To allow the employee to begin a menu item waste check or authorize another employee to do the same, select Authorize/Begin Menu Item Waste Check in the Guest Check Control Options.

### Configuring Waste Reasons

When adding menu items to a waste check, the application prompts the workstation operator to select a reason for wasting the items.

- 1. Select a property, and then click **Property Descriptors**.
- 2. On the General tab under Waste Reason Codes, enter the waste reasons.
- 3. Click Save.

# Hiding Price Details on Waste Checks

Unlike a guest check that posts menu item price details, a waste check measures the cost of wasted inventory. Follow these steps if you do not want waste checks to display or print waste item price details.

- 1. Select the revenue center, click RVC Parameters, and then click the Format tab.
- 2. In the Format Options section, select option 47 Do not display/print price for Waste.
- 3. Click Save.

# Configuring Waste Receipt Headers and Trailers

When the workstation operator posts a waste check, the printer assigned to the workstation prints a waste receipt.

- 1. Select the revenue center, and then click RVC Descriptors.
- 2. On the Printing tab, scroll to the Waste Receipt Header section. To add a trailer, scroll to the Waste Receipt Trailers section.
- 3. Do one of the following:
  - To add text, click the lines under the Text tab, and then enter the text.
  - To add a logo, select the checkbox under the **Use Logo** column, and then select a logo from the drop-down list.

4. Click Save.

# Using Menu Item Waste Checks

## **Declaring Waste**

- 1. Click the **Declare Waste** button.
- 2. Select the quantity (if applicable), and then select the menu item to add to the waste check.
- 3. Select a waste reason, and then click OK.
- 4. (Optional) Repeat Steps 2 and 3 to add items to the waste check.
- 5. Perform a service total on the check. A waste receipt prints. The workstation closes the waste check.

After service total, the POS client does not send a waste check to the kitchen, and the waste check does not appear on screen lookups.

# **Correcting Waste Checks**

When you over-post menu items on a waste check, you must post a negative waste check to offset the over-posted menu items.

- 1. Click Transaction Void, and then click Declare Waste.
- 2. Select the menu items to remove from the waste check.
- 3. Select a waste reason, and then click OK.
- 4. (Optional) Repeat Steps 2 and 3 to correct additional entries.
- 5. Perform a service total on the check. If configured, a waste check chit prints with the corrected menu items.

# 14 Printers

# Prerequisites for an Oracle MICROS KW270 WS and Epson TM-P60II Printer

Obtain the following items:

- Keyboard Workstation 270 (KW270) platform version 1.7 or later. Download the latest platform from My Oracle Support at https://support.oracle.com.
- Epson TM-P60II printer with a USB cable.

# Configuring an Epson TM-P60II Printer on the Oracle MICROS KW270 WS

- 1. Connect the USB printer cable to the Epson TM-P60II printer port that is adjacent to the hinge of the paper door.
- 2. Connect the other end of the cable to an open USB port on the KW270 workstation.
- 3. From the EMC, select the property, and then click **Printers**.
- 4. Insert a new record, enter the printer name, and then click OK.
- 5. Double-click the new record to open it in form view.
- 6. From the **Workstation** drop-down list, select the **KW270** to which the printer is connected.
- 7. Select Epson RS232 Roll Printer as the Printer Type.
- 8. Select COM8 as the COM Port.
- 9. Click Save.
- 10. Select the property, and then click Workstations.
- **11.** Double-click the record associated with the KW270 workstation to open it in form view.
- **12.** Click the **Printers** tab, and then assign the printer record that you created in Step 4 to the appropriate print jobs.
- 13. Click Save.
- 14. Reload the database on the KW270 workstation.
# Prerequisites for PMC Reports on the Oracle MICROS KW270 Workstation

Ensure that:

- The KW270 workstation is configured.
- Workstation reports are configured and are accessible by other Microsoft Windows CE and Microsoft Windows 32 devices.
- The KW270 keyboard is configured with a PMC button, numeric keys, and a button for performing a database download.

# Configuring PMC Reports for the Oracle MICROS KW270 Workstation

- 1. Select the property, and then click Workstation Autosequences.
- 2. Insert a new record, enter the report name, and then click OK.
- 3. Double-click the new record to open it in form view.
- 4. On the General tab, select 1 Report in the Step Type column.
- Click the Configure button next to the 1 Report step type, and then select one of the following supported reports:
  - Revenue Center Financial Report
  - Employee Financial Report
  - Cashier Financial Report
- 6. From the **Period** drop-down list, select **3 Today** or **4 Yesterday**.
- 7. Do not use the Inherit or Prompt period options.
- 8. From the **View** drop-down list, select **2 Revenue Center**, and then select the revenue center corresponding to the workstation.
- 9. From the **Print/Display** drop-down list, select **1 Print Only**, click **OK**, and then click **Save**.
- 10. Click the **Options** tab, and then select the following options:
  - 5 Sign Off Employee When Autosequence is Complete
  - 7 Use Signed In Employee's RVC for RVC-Scope Reports
  - 9 Warn if WS offline during report generation
- **11.** Select the Privilege Group that can generate the report, and then click Save.
- **12.** Repeat Steps 2 through 10 for the remaining reports.
- **13.** Reload the database on the KW270 workstation.

# Printing PMC Reports from the Oracle MICROS KW270 Workstation

You must have the appropriate privileges to run PMC Reports.

- 1. Press the **PMC** button, press the number that corresponds to reports, and then press **Enter**.
- 2. Press the number that corresponds to the report that you want to print, and then press **Enter**.
- 3. If you receive a message stating that other workstations are offline, press the **Enter** or **Yes** button to print the report.

# 15 Peripheral Devices

## **Fingerprint Scanning**

Fingerprint scanning provides greater security by verifying an employee's identify. Privileged employees can perform the following actions:

- Enroll themselves and other employees' fingerprints in Simphony First Edition.
- Register up to ten different fingers (in the event that employee digits become incapacitated (cut, removed, or bandaged).

Simphony First Edition release 1.8 supports fingerprint drivers with POS clients running a Microsoft Windows 32-bit operating system.

You can scan (also called enroll) a fingerprint using a workstation or from the EMC.

To scan a fingerprint using a workstation:

1. Sign on to the workstation as an employee with the proper role privileges, using an employee ID.

2.	Press the <b>PMC</b> button,	and then pr	ess the Finge	<b>rprint Enrollment</b> link
----	------------------------------	-------------	---------------	-------------------------------

Edit Employee					
Definition					
Number	90001				
Last Name	MICROS				
First Name	MICROS	0			
Check Name		0			
Level	0 🗸				
Clock In Grace	0	0	(minutes)		
Lds ID	0	0			
Payroll ID		0			
Revenue Center	Beaches Cafe				
Training					
Assign ID/Mag Card Fingerprint Enrollment					
Increment Shift					

#### Figure 15-1 PMC Fingerprint Enrollment

**3.** Follow the prompts on the Fingerprint Enrollment dialog to complete the enrollment, placing the same finger on the reader each time.



#### Figure 15-2 PMC Fingerprint Enrollment - Fingerprint Scan

If you attempt to enroll a previously enrolled finger, the following message appears: *Error! Duplicate fingerprint! Please try again.* 

Each finger is scanned four times. After the fourth scan, the dialog indicates that the fingerprint enrollment is complete. Click the **Close** button.

Fingerprint enrollment completed
Class
Close

#### Figure 15-3 PMC Fingerprint Enrollment Completion

4. To enroll another finger for the same employee, repeat Steps 2 and 3.

#### Scanning a Fingerprint Using the EMC

- 1. Select the enterprise, and then select Employee Maintenance.
- 2. Search for and select the employee record.
- 3. On the General subtab, click the Fingerprint Enrollment button.
- 4. Follow the prompts to enroll one or more fingerprints.

You are prompted to place a finger on the reader four times, after which the fingerprint is saved.

 If the employee has an existing fingerprint enrolled, the Fingerprint Enrollment dialog appears informing that you already enrolled this finger. Click the Close button. To enroll another finger, click the Yes button.

# Configuring the DigitalPersona CAL Package Deployment

The installation media includes a CAL package for the Digital Persona Fingerprint Driver. This CAL package needs to be deployed on the workstation where the fingerprint reader device is used.

In the enterprise, the CAL package named DigitalPersona is located in the directory \Micros\Simphony\EGatewayService\CAL\Win32\Packages\. The DigitalPersona package installs the fingerprint driver on the workstation. You need to deploy this package before using the fingerprint reader.

- 1. Select the enterprise, and then select CAL Packages.
- 2. Select the workstation from the left pane, and then click **Add** under the Deployment section.
- 3. Select **2 Specific Service Host** as the **Deployment Type**, and then select the Microsoft Windows 32 client to receive the DigitalPersona fingerprint driver package.
- 4. Ensure that the DigitalPersona package appears before the SimphonyClient package in the CAL Package Deployment Order.
- 5. Click Save.
- 6. After a few moments, CAL starts the process of installing all files needed to run the fingerprint reader from the POS client.

## Configuring the EMC Message Handler

The EMC Message Handler supports the SimphonyFEPortal web service with token authentication. This service must be enabled for EMC login to work correctly with fingerprint input. To enable this service, it must be configured in IIS, and you must have a key in web.config similar to:

<add key="SimphonyFEPortalURL" value="http://localhost:8080/SFEPortal/"
/>

When you use fingerprint login, a message containing the biometric data is sent to the SimphonyFEPortal service. The service does the lookup (using the function GetUserByFingerprint() in SecurityServices.cs). Upon success, this function returns a

token, the Employee ID, and the HierStrucId. The token is used for subsequent EMC command calls for validation (instead of the user name and password).

# Configuring the Fingerprint Reader for Use with a Workstation

- 1. In the EMC, select the property, and then select **Property/Workstation/Devices**.
- 2. In the Add Device dialog, select **Digital Persona Fingerprint Reader** from the **Select Peripheral Device Type** drop-down list.
- 3. In the **USB Port** field, enter the port number to be used for the fingerprint reader device on the workstation, and then click **OK**.

In the **Peripheral Device Configuration** section, the Configuration column shows the port number for the fingerprint reader.

# Configuring Employee Privileges for Fingerprint Scanning

- 1. Select the enterprise, and then select **Roles**.
- 2. Click the **Operations** tab, and then click the **PMC Procedures** subtab.
- 3. In the Employee Procedure Options section, select **Assign Finger Print Enrollment** for the roles that can access the fingerprint reader, and then click **Save**.
- 4. Select the property, and then select **Property Parameters**.
- 5. To allow the workstation operator who is signed in to enroll only themselves, select option 39 Only Enroll The Signed In Employee, and then click Save.

## Managing POS Workstation USB Ports and Peripheral Devices

Oracle MICROS workstations come standard with USB ports. Typically, USB ports are enabled on workstations by default. Beginning with the Simphony First Edition 1.8 release, workstation USB ports are disabled when SAROps is running. To enable workstation USB ports, two methods have been introduced:

- 1. You can assign workstation USB ports for USB devices in the EMC, Property level, Workstations, **Devices** tab. USB ports can also be assigned to USB remote printers in the EMC **Printers** module.
- 2. The Property Management Console (PMC) Diagnostics mode has been enhanced to allow you to enable individual USB ports on workstations for one hour at a time. Once the hour time limit expires, the USB port is automatically disabled.
- Most devices supported by Simphony First Edition are serial (RS-232) connected devices; however, some devices, such as Barcode readers, require USB ports and a virtual serial port driver.
- A new Workstation module peripheral device named **Keyboard / Mouse / Other** (USB Devices) has also been added so you can connect a USB Keyboard, a USB

Mouse, and other USB connected devices such as a Generic Barcode reader, Serial Mag Stripe Reader, or Digital Persona Fingerprint reader to workstations.

# Configuring Employee Privileges for Enabling and Disabling USB Ports

- 1. Access the EMC, select the Enterprise level, and then select Roles.
- 2. Click the **Operations** tab, click **PMC General/ Reports** tab, General Options section, and then enable the **PMC USB Port Enable / Disable** option.
- 3. Click Save.

		EMC
File	Edit View Help	
#	Name	General EMC Modules Actions Operations Properties View
1 2 3 4 5 6 7	Super User Property Expert 1 Retail Auditor Concessions Manager Cashier	Current Record         Number       1         Audit This Record         Name       Super User         Search       Timekeeping         Guest Checks       Printing         Voids/Returns       PMC General/Reports
8	R/S Cashier	General Options
10 11 12 14 20	Captain R/S Server Bartender Cocktail Server Banquets	

Figure 15-4 EMC Roles PMC USB Port Enable / Disable Option

# Configuring the Enabling / Disabling of USB Ports on Workstations

#### EMC Configuration of Workstation USB Ports

The procedure to configure remote printers has not changed with the exception of the addition of the **USB Port** field.

To assign workstation USB ports to USB printers:

1. Refer to a workstations schematic drawings or look at the rear of workstations to identify individual USB port numbers. Depending on the model of the workstation, the number of available USB ports may vary.

See the Food and Beverage Documentation for Hardware for more detailed information about available USB ports on workstations.

- 2. Access the EMC, Property level, Printers module.
- Once the USB port number is identified, enter the USB port number in the USB Port field and Save. Once a USB port number has been assigned for a USB printer in the EMC, the port assignment is permanent until a change is made.

**4.** Assign USB printers to workstations in the **Workstations** module from the **Printers** tab per normal configuration procedures.

m	EMC
i File Edit View Help	
i 😍 🐼 i ⊕ 🗵 🖨 i 🖬 😭 🐼 i № 🗊 🗠 i 👘 i 📷 i 🕨 😣 🕅 🕅 🔲	
Home Page Printers Workstations	
# Name Current Record	
1 Epson Bluetooth Number 3 Audit This Record	
3 Roll Printer Name Roll Printer	
Print Controller and Printer Tupe	
Workstation 13 - mTablet-E	
Printer Type Foson BS232 Boll Printer	
Printer Option	
Quebec SRM Device	
Printer Configuration	
COM Port COM1	
Baud Rate 9600	
Parity None	
Data Bits 8	
Stop Bits 2	
USB Port 1	

Figure 15-5 EMC Printers Module USB Port Field

## PMC Configuration of Workstation USB Ports

Privileged employees can temporarily enable workstation USB ports (for one hour) without adding the devices in the EMC. Workstation USB ports can be enabled by utilizing the PMC Diagnostics mode.

#### NOTE:

When workstation USB ports are enabled from PMC Diagnostics, the ports are immediately disabled (reset to the default setting) if a user runs the **DB Download** or **DB Update** functions on a workstation.

To temporarily enable workstation USB ports:

1. Access the workstation and enter **PMC Diagnostics** mode. Privileged employees can view the USB Port link.

Diagnostics				
General	Devices Log File	Services Certifications SIM File	S	
Туре	Device	Settings	IP Printers	
External	Keyboard / Mouse / Other	USB3		
External	RFID/MagSwipe Reader	COM1,19200,N,8,1,USB6	Printers	
External	RFID/MagSwipe Reader	COM1,19200,N,8,1,1,USB5	LISB Port	
			<b>T</b> 10	
			Test Device	

#### 2. Click the USB Port link.

#### Figure 15-6 PMC Diagnostics Mode - USB Port Link

3. Select the checkbox adjacent to the USB port number that is to be temporarily enabled. The number of USB ports that appear here, varies depending on the workstation model that is being used.

USB Port	
	USB Port Management
	USB1
	K USB2
	USB3
	₩USB4
	USB5
	K USB6



- 4. After selecting the USB ports, click **Done**. Moving forward, the USB device should now function as expected for one hour.
- 5. If you want to disable the USB port sooner than the one hour timeframe, access PMC Diagnostics and deselect the checkbox adjacent to the USB port number that is to be disabled. You can also immediately disable (reset to the default setting) USB ports by selecting the DB Download or DB Update functions on a workstation.

## Adding a Peripheral USB Device to Workstations

Beginning with the Simphony First Edition release, a Workstation module peripheral device named **Keyboard / Mouse / Other (USB Devices)** was added so you can connect a USB Keyboard, a USB Mouse, and other USB connected devices such as a Generic Barcode reader, Serial Mag Stripe Reader, or Digital Persona Fingerprint reader to workstations.

m	EMC
File Edit View Help	
i 🗞 🐚 i o 🖉 🗁 i 🖬 🖏 🐼	
Home Page Workstations Printe	ers
#         Name           1         m Tablet-R           2         WS4LX           3         WS5           4         WS6           5         MC5AACE           6         MC75A           7         MC50           8         KW270           10         Acuative           11         DT430           12         MC70           13         m Tablet-E           14         WS5A           15         POSAPI	General       Service Host       Transactions       Options       Order Devices       Printers       Revenue Centers       Devices         UnterRecord       Audit This Record       Name       Audit This Record       X         Name       VS6       Select Peripheral Device Type       Add Device       X         Add       Data       Edit       Select Peripheral Device Type       OK       Cancel         Settings       USB Port [3       Settings       Settings       Settings       Settings

#### Figure 15-8 Workstations Module - Adding USB Devices

To add a new Keyboard, Mouse, or other USB device to a workstation:

- 1. Access the EMC, Property level, click **Workstations**, and select a specific workstation record.
- 2. Click the **Devices** tab, and then click the **Add link** in the Peripheral Device Configuration section.
- 3. Select the **Keyboard / Mouse / Other (USB Devices)** option from the dropdown list.
- 4. Enter a USB port number in the **USB Port** field, click **Done**, and then **Save**.

m			EMC	
E File	Edit View Help			
i 🖓 🐚	i 🗟 i o 🗵 🖨 i 🖬 🕤 🖸			
Hon	ne Page Workstations			
#	Name	General Service Host Transactions Options Order Devices Printers	Revenue Centers Devices	
1	mTablet-R	Durrent Becord		
2	WS4LX			
3	WS5	Number 4 Audit This Record		
4	WS6	Name WS6		
5	MC55ACE			
6	MC75A	- Parishard Davies Conferentian		
7	MC50	Pelipheral Device Conliguration		
8	KWS4	Add Delete Edit		
9	KW270			
10	Acuative	lype Device	Contiguration	
11	DT430	▶1 Keyboard/Mouse/Other Keyboard / Mouse / Other (USB Devices) US	83	
12	MC70			
13	mTablet-E			

#### Figure 15-9 Workstations Module - Adding a USB Keyboard or Mouse

- 5. Connect the USB device to the assigned workstation.
- 6. Access the workstation and enter **PMC Diagnostics** mode.
- 7. Open PMC Diagnostics and click on the **Devices** tab.
- 8. Click the **Test Device** link to verify the device is operating as expected, and then click **Done** to exit.

Diagnostics				
General Devic	es Log File	Services Certifications	SIM Files	
Type Devic	ice !	ettings		IP Printers
External Keyb	board / Mouse / Other I	ISB3		<u></u>
External RFID	/MagSwipe Reader	OM1,19200,N,8,1,USB6		Printers
External RFID	/MagSwipe Reader	OM1,19200,N,8,1,1,USB5		USB Port
				Test Device

Figure 15-10 Test Device Link

## ViVOpay 4800 RFID Card Reader Setup

The ViVOpay 4800 is a Radio-frequency identification (RFID) reader and supports contactless Credit Cards (CC) as well as Near Field Communication (NFC) capable smart phones. In order to accept offers (discounts) from the E-Wallet application, the terminal must be injected with the merchant's MID key and Secret key. This injection is typically performed by ViVOtech. Customers may use one of several capable smart phones to submit discount coupons and payments to the point-of-sale (POS) system. The customer's phone must support NFC. Only one ViVOpay 4800 Reader may be configured for each workstation.



### **EMC** Configuration

To configure the reader:

- For each Revenue Center utilizing a ViVOpay 4800 Reader, access the EMC, click the Revenue Center, under RVC Information, click RVC Parameters, and then the General tab, under the E-Wallet Configuration section.
- 2. Check with your E-Wallet vendor for specific requirements and add the **Merchant ID** and **Merchant Store ID** in the fields shown below and **Save**.

S EMC	
File Edit View Window Help	
2 2 3 6 2 4 4	
Home Page RVC Parameters	
General Search Options Format Posting and Control	Order T
Default Bank Loan Tender/Media 0 - None	-
Reprint Check Tender/Media 0 - None	-
Service Charge Settings	
Cover Charge 0 - None	•
Automatic Service Charge 0 · None	•
# Of Guests Before Auto Service Charge 6	
Miscellaneous	
Serving Period Use Automatic Serving Periods	•
Barcode Menu Item NLU Group # 0 · None	•
Confirm # of Guests Threshold 9 Min Guest Check # 1000	
Table Count 0 Max Guest Check # 1999	
Add/Transfer Revenue Center	
1. 0 · None 5. 0 · None	•
2. 0 · None • 6. 0 · None	-
3, 0 - None 7, 0 - None	-
4. 0 · None 8. 0 · None	•
- E-Wallet Configuration	
Merchant ID Merchant Store ID	



3. Click on Revenue Center Parameters, Options tab, under the General section, and then enable the [48- Enable Automatic Discounts by Default] option and Save. Enabling this option automatically allows eligible E-Wallet discounts, coupons or offers to be applied to a check or made available to patrons to choose from on their smart phone.



#### Workstation Hardware

To configure workstations:

- 1. For each workstation that has a ViVOpay 4800 Reader attached, access the EMC, click the **Property**, under **Property Hardware**, click **Workstations**, and then toggle to Form View.
- Select the Options tab, click the Hardware/Cash Drawer tab, under the Hardware/Interface Options section, and then ensure options [22 – Enable Mag Card Reader] and [23 – Enable RFID Reader] are enabled.

🚳 EMC		
File	Edit View Window Help	
<b>R</b> [	8 😼 💿 🧕 目	🗟 🐼 🔯 🕩 🗇 🗠 👘 📕 🚺 📕 🖌 🔸 → א 🖼 👭 [
Но	me Page Workstations	
#	Name	General Service Host Transactions Options Order D
1 2	WS01 WS02	Current Record
3	WS03 WS04	Number 9 Audit This Record
5 6	WS05 WS06	Name WS09
7 8	WS07 WS08	
9	WS09	Hardware/Lash Drawer U
		2 - Enable Error Beeper     9 - North American LDS Attached to this WS     13 - Enable Scale Interface     14 - Enable Coin Dispenser     22 - Enable Mag Card Reader     23 - Enable RFID Reader     20 - Errable Serrusin     30 - Barcode Pass-Through Mode

The ViVOpay 4800 Reader must be configured as a peripheral device in the EMC.

3. From the same **Workstations** module, select the **Devices** tab under the **Peripheral Device Configuration** section, and select the **Add** link.

🚳 EMC			_ P
File E	dit View Window Help		
2 🐼	1 🗟 🛛 🔿 🖾 🗍		
Horr	ne Page Workstations		
#	Name	Service Host Transactions Options Order Devices Printers Revenue Centers Devices	• •
100	SERVEROPS OF LIVE SIRD 01		
102	QEHWSIND01 QEHWSIND02	Number 121 Audit This Record	
103	QEHWSBEAV01 QEHWSBEAV02	Name OEHW/STEA01	
106	QEHWSVOY01 QEHWSVOY02	Peripheral Device Configuration	
108	QEHWSVOY03 QEHWSVOY04	Add Delete Edit	
110	QEHWSBQT01 QEHWSBQT02	Type Device Configur	ration
112	QEHWSBQT03		

4. Add the device that is named ViVOpay4500m Serial Mag Swipe/RFID Reader (even though the ViVOpay 4800 Reader is to be utilized) and click OK.

<b>(</b>	мс			
; Fi	ile Edi	t View Window Help		
K	<b>)</b>	🖥 o 🛛 🕹 🛛	■ 🗟 🗿 🕼 🗅 🕫 👘 📑 🖬 K 🔸 → א 🕮 🕷 🔲	
/	Home	e Page Workstations		
#		Name	Y Service Host Y Transactions Y Options Y Order Devices Y Printers Y Revenue Centers <b>Y Device</b>	5
10 10 10	00 01 02 03	SERVEROPS QEHWSIRD01 QEHWSIRD02 QEHWSCAT01	Current Record           Number         121         Audit This Record	
10	14	QEHWSBEAV01		
10	5	QEHWSBEAV02	Add Device X	
10	36	QEHWSV0Y01		
10	)7	QEHWSV0Y02		
10	08	QEHWSV0Y03	Select Peripheral Device Type None	
10	09	QEHWSV0Y04	None	
11	10	QEHWSBQT01	Lieneric Barcode Header Cancel	Con
11	11	QEHWSBQT02	Senal Mag Stripe Header	Lon
11	12	QEHWSBQT03	Scale (Serial	
11	13	QEHWSMTL01	North American LDS (Serial)	
11	14	QEHWSMTL02	Topaz Signature Capture Tablet (Serial)	
11	15	QEHWSMTL03	Ingenico Signature Capture Tablet (Serial)	
11	16	QEHWSMTL04	OPOS Barcode Reader	
11	17	QEHWSMTL05	OPOS Cash Drawer	
11	18	QEHWSMTL06	OPOS Customer Display	
	19	QEHWSMTL07	OPDS Mag Stripe Reader	
12	20	QEHWSMTL08	OPUS Scale	
12	21	QEHWSTEAUT	Custom	

5. By default, the device is configured with a baud rate of 19,200 but other baud rates are supported. Click the **OK** button and **Save**.

	<u> </u>
Select Peripheral Device Type VV0Pay4500m Serial Mag Swipe/RFID R	OK
COM Port Settings	Cancel
Baud Rate 19200 V	
Data Bits 8 💌	
Stop Bits   1 💌	



6. After configuring the workstation's ViVOpay 4800 peripheral device, the workstation's database must be reloaded and the workstation must be restarted.

#### **NOTE**:

For Win32 Clients, set the Microsoft Windows corresponding Com Port to the same Baud Rate and Parity settings as the POS Configurator Com Port settings (19200/N/8/1). From the Win32 client, in Microsoft Windows, navigate to: **My Computer**, **Properties**, **Hardware**, **Device Manager**, **Ports**. Reboot the workstation after making any changes to re-initialize the Com Port.

7. Ensure that any workstation with a ViVOpay 4800 Reader attached, does not have a printer or other device configured for the same COM Port as the ViVOpay Reader. Access the EMC, click the **Property**, under **Property Hardware**, click **Workstation**, and then click the **Devices** tab. Review the **Property Hardware**, **Printers** module for any COM Port assignment conflicts.

### E-Wallet Discount (Coupon) Configuration

To configure an E-Wallet discount coupon:

Coupons or offers for E-Wallet applications are configured as discounts in the EMC. Access the EMC, click the **Property**, under **Sales**, and then click **Discounts**. Check with your E-Wallet vendor for the specific shared discount (coupon) setup regarding any assigned object numbers and naming conventions.

🚳 емс
File Edit View Window Help
Home Page RVC Parameters Discounts
T Filter
Show Records Where Show All Records
(# ≜ Name
5 OPEN \$ DISCOUNT
7 50% Discount
8 50% Discount After Tax
9/ 100% Discount

### Touchscreen 'Tap 'n Pay' Function Configuration

Create a **Tap 'n Pay** function key that users may access from a workstations payment screen. The E-Wallet Smart Tap functionality only works with the ViVOpay 4800 Reader.

- 1. Access the EMC, click the **Revenue Center**, select **Workstations**, and then click **Touchscreen Design**. Select a touchscreen to assign the Tap 'n Pay keys.
- 2. Configure the key using one (or both) of the following functions:
  - a. Configure a key for using the Transaction function 688 Tap Discount and CCAuth and then Save.

This function may be better suited for Table Service environments.

When using this function, the Ops client only authorizes the Credit Card (CC) so the cashier can add a charged tip and then finalize the payment.

**b.** Configure a key using the Transaction function **689 - Tap Discount and Pay** and then **Save**.

This function may be better suited for Quick Service environments.

When using this function, the Ops client authorizes the CC, and then closes the transaction in one step.

Key Function Select		×
Movement NLU Sales NLU General Touchscreen Check Begin/Pickup Check Operations <b>Transaction</b> Seat Currency Non-Sales Operations SIM Multilingual Stored Value Cards Tax Exempt/Shift	642 - Transaction Return 643 - MI SKU Entry 644 - Price Inquire 645 - MajGrp Menu Item 646 - FamGrp Menu Item 647 - Hold Menu Item 648 - Display/Hide Condiments 649 - Signature Capture Override 650 - KDS Rush Order 651 - KDS VIP Check 653 - Print SIM Gift Receipt 654 - Inventory Inquire 655 - Auto Discount Toggle 656 - Auto Discount Toggle 656 - Auto Discount Toggle 657 - Auto Discount Remove 658 - Remove Coupon Discounts 659 - Send KDS Order 676 - Order Menu Item By Name 1 677 - Order Menu Item By Name 2	
Filter	679 - Filter Menu Item By Major Group 680 - Filter Menu Item By Family Group 681 - Filter Menu Item By Family Group 681 - Filter Menu Item By Menu Item Class 682 - Prepaid Card Balance 683 - KeyTypeTransaction, 683 694 - KeyTypeTransaction, 694	111
Direct Entry	685 - KeyTypeTransaction.685 686 - KeyTypeTransaction.686 687 - KeyTypeTransaction.686 688 - Tap Discount And CCAuth 689 - Tap Discount And Pay	*
Transparent Bitmap	When this function key is used the Vivo Reader will wait for user to tap with NFC device. After applying a discount, the credit card found on NFC device will be authorized and finalized.	//

### Using the Tap 'n Pay function from the Workstation

When a cashier selects the **Tap Discount and Pay** function key, the ViVOpay 4800 Reader starts and then switches to **Poll** mode. When in poll mode, it gathers all of the offer codes from the NFC device, and then Ops compares them to the offer codes configured with the discounts for the property and applies all of the matching discounts. The unit waits until the customer taps the reader with their Smart Phone (NFC device). During a transaction, a customer may tap their E-Wallet enabled phone to the reader to redeem a discount stored in the Wallet and to pay a check. A single tap of the phone may contain one or more discounts, CC account information, or both discounts and account information. The discount is applied immediately to the check without interrupting the cashier. When tapped, the reader beeps and its lights flash indicating a receipt from the phone.



The Cashier can also exit the screen by selecting the **Clear** function key.



When customers tap the ViVOpay 4800 Reader and the NFC device also contains CC payment information, Ops prompts the cashier to authorize a CC authorization. After completing the authorization, a CC payment is added to the check.

😼 Simphony POS Operatio	ens			
	DISCOUNT3	6.95-		
1 BRUSCHETTA 1 BRUSCHETTA 50 % DISCOUNT3	6.95 1 6.95 1 1 -6.95 1	MICROS MAR01112 2:37PM TBL 1/1 Subtotal Service Char Tax Tax Yer/Novus: XXXXXXXXXXX6619 XX	GST 0 CHK 969 0.00 0.00 0.00	Beaches Cafe WS21 MICROS Regular Lunch
	Yes	No	CA	NCEL
				-no- 🌾
		7 8	9	

When tapped, the reader emits a single beep along with flashing four lights to indicate a good receipt from the phone; two beeps with one light indicates a failure reading from the phone and the customer should retry the Tap 'n Pay procedure.

#### Hardware Connection

A ViVOpay 4800 Reader should be attached to a Serial Com port of a MICROS Workstation. Shown below is the Serial Com port on an Oracle MICROS Workstation 5A.



### Troubleshooting

The following messages displayed on a workstation may indicate possible configuration problems:

• The Merchant ID is not correctly configured in the EMC or the Workstation, Device file is incorrectly configured.

Error	
8	RFID Device Configuration Error
	ок

If the customer chooses an inappropriate discount or if the system is not properly configured to accept the discount, an error is displayed on the workstation.
 Additionally, if Ops cannot find any discounts, it is possible that the wrong Merchant ID is configured in the EMC or the card being used may be a conventional Credit Card (CC) without any E-Wallet information.

Error	
8	No discounts found on NFC device
	ок

• If CC payment information is found on the CC, Ops prompts users to continue with a CC authorization.

Confirm au	th. attemp	t				
?	No discou Authorize	unts found on NFC dev Credit Card Discover	ice /Novus:	XXXXXXXXXXX6619 XX/XX		
		Yes		No		

## 16 Kitchen Display System (KDS)

An order device refers to a piece of hardware used to communicate order information to a preparation area. An order device may be a printer or a Kitchen Display System (KDS). A KDS displays orders sent for preparation on a screen as opposed to physical order receipts.

## **Understanding KDS Controllers**

A KDS Controller is an application that runs as a Windows service on an on premise service host. It is responsible for managing all of the business logic associated with the KDS. The KDS Controller moves data to and from KDS Displays, provides KDS Displays with their configuration information, and maintains detailed order activity in the kitchen. All updates to KDS Displays (changing a toolbar or bump bar button) are routed through the KDS Controller.

## KDS Setup for a Microsoft Windows 32 Client

This section describes how to set up KDS for use on a Microsoft Windows Server.

#### Configuring the KDS Controller

- 1. Select the property, and then click KDS Controllers.
- 2. Insert a new record, enter a record name, and then click OK.
- **3.** Configure the Options, status color fields, and Database Update Frequency according to the site's preference.
- 4. Click the Service Host tab.
- 5. Click the Select adjacent to the Service Host field, select the Microsoft Windows 32 service host that is going to run the KDS display, and then click OK.
- 6. This lets the system know which computer will be running the KDS service. This is separate from running the KDS Display screen.
- 7. Click Save.

#### Configuring a KDS Display

- 1. Select the property, and then click KDS Displays.
- 2. Insert a new record, enter a record name, and then click OK.
- From the KDS Controller drop-down list, select the Microsoft Windows 32 client KDS Controller.
- In the IP Address field, enter the IP address for the Microsoft Windows 32 client that is going to use the KDS Display.
- Select a Tool Bar, and then configure the Display Screen Options, Chit Display Options, and the SOS Display Options (if applicable) according to the site's preference.
- 6. Click Save.

### Configuring the Client Application Loader (CAL) Package

- 1. Select the Enterprise, and then click **CAL Packages**.
- 2. Select **Simphony KDS Client** from the left pane, and then click **Add** under the Deployment section.
- 3. Select 2 Specific Service Host as the Deployment Type, and then select the Microsoft Windows 32 client to receive the KDS application.
- 4. The KDS application will start the KDS Display (not the KDS service) on the client.
- 5. Select **KDS Handler** from the left pane, and then click **Add** under the Deployment section.
- 6. Select **2 Specific Service Host** as the **Deployment Type**, and then select the name of the Microsoft Windows 32 client to receive the KDS service.
- 7. The KDS service can be restarted in the future for troubleshooting KDS on the Microsoft Windows 32 client.
- 8. Click Save.
- 9. After a few moments, CAL starts the process of installing all necessary files to run KDS from the client.
- **10.** After CAL completes the installation, open services to verify the MICROS KDS Controller service has started.
- 11. To run the KDS Display on the Microsoft Windows 32 client, click **Start**, click **All Programs**, click **Micros Applications**, and then click **Start KDS**.

### Adjusting the KDS Screen Size

- 1. Browse to <Drive>:\\Micros\KDS\ETC and open the KDSDisplay.cfg file.
- 2. Enter values for frameWidth and frameHeight to best show all available buttons and to best fit the screen.
- 3. To show the display border, set AlwaysHideCaption to 0 (zero).
- 4. To show the mouse cursor, add the setting **showmousecursor=1** to the line after maxPingTimes.
- 5. Restart the KDS application for the settings to take effect.



Figure 16-1 KDSDisplay.cfg File

# 17 Order Receipts

An order receipt (sometimes called a chit) contains a record of one or more menu items ordered by the customer. It is used to inform the kitchen of the items to prepare. Depending on how the kitchen is set up, it prints to order devices or appear on Kitchen Display Systems (KDS).

# Configuring Headers and Trailers for Printer Order Devices

Headers and trailers are leading and trailing lines that print on guest checks and order receipts. Typically, the header lines include the name of the property or revenue center and address. The trailer lines generally show gratitude or promotional information about upcoming events. You can also set a header or trailer line to print logos rather than text.

- 1. Select a revenue center, and then click **RVC Descriptors**, and then click the **Printing** tab.
- 2. Scroll down to the Order Device Chit Header section.
- 3. For each row, enter information in the following fields:
  - Text: Enter the text to appear on the header or trailer.
  - (Optional) **Use Logo**: Select this option to print a logo rather than text on the order chit header or trailer.
  - (Optional) Logo: If you selected Use Logo, select an image.
- 4. In the Order Device Chit Trailer section, repeat Step 3.
- 5. Click Save.
- 6. Select a revenue center, and then click Order Devices.
- 7. Double-click a printer order device record to open it.
- 8. Click the Options tab, and then select 21 Print order device chit header and
- 9. 22 Print order device chit trailer.
- 10. Click Save.

# 18 Transaction Services

## **Understanding Transaction Services**

Transaction Services is a web service that allows Simphony First Edition to interface with third-party applications (for example, hotel self-service kiosks or room service devices, menu boards, and enterprise online ordering). Transaction Services is commonly installed in stadiums that use self-ordering devices. Guests can place orders using a third-party application that interfaces with a Transaction Services client. The client then sends the guest checks to Simphony First Edition.

## Configuring the Transaction Services Workstation Client

You can configure Transaction Services to run on the same hardware device as a Simphony First Edition POS client. Kiosks are usually configured as Transaction Services clients.

Obtain the following information before you begin the configuration:

- Transaction Services workstation name
- Number of revenue centers using Transaction Services
- 1. Select the property, and then click Workstations.
- Click the Insert Record button to add a client.
- 3. Enter the workstation name.
- 4. From the Type drop-down list, select 4 POSAPI Client.
- 5. In the Address / Host Name field, enter the machine where Transaction Services is installed.
- 6. Click the Transactions tab.
- 7. Enter the minimum and maximum offline check numbers to use.
- 8. From the **Default Order Type** drop-down list, select the order type that the Transaction Services workstation client uses.
- 9. Ensure that the Cash Drawer Settings show 0 (zero) and None.
- 10. Click the Order Devices tab.
- Select all order devices that use the Transaction Services client for the revenue center shown in the list. If multiple revenue centers use Transaction Services, select the appropriate order devices for each revenue center.
- 12. Click the **Printers** tab.
- **13.** Select the printer to use for each print job.
- 14. Click the Revenue Centers tab.
- 15. Select the revenue centers in which this instance of Transaction Services operates.
- 16. Click the **Devices** tab, and then ensure that no peripheral devices appear.
- 17. Click Save.
- 18. Repeat Steps 1 through 17 for each Transaction Services workstation client.

## Configuring the Transaction Services Default Employee

Transactions that are created and altered by the Transaction Services client must be associated with a default transaction employee in Simphony First Edition. You need to create an employee record that is not associated with a member of the staff, and is solely used for the Transaction Services client to post records to Simphony First Edition.

- 1. Select the property, and then click **Employee Maintenance**.
- 2. Click the Insert Record button to add an employee.
- 3. From the Add Employee dialog box, select Add Employee Record From Template.
- 4. If you created employees previously, click **Employee to Copy**, and then select an existing employee to copy.
- 5. Enter the first name and the last name of the employee.
- 6. Assign the employee with an operator record in the revenue center in which Transaction Services operates. Take note of the employee record number.
- 7. Select the Property and the Revenue Center, and then click OK.
- 8. Click Save.

## Configuring the Transaction Services Revenue Center

- 1. Select the revenue center, and then select RVC Parameters.
- 2. Click the **Posting and Control** tab.
- Select option 23 Allow Pickup/Creation of Unassigned Checks. This allows the revenue center to make checks available to all employees who have the Employee Class option to pick up unassigned checks. An unassigned check begins in the system without an employee owner (for example, a guest using a kiosk).
- 4. Click Save.

## Authorizing Installation

- 1. Select the property, and then select **Property Parameters**.
- 2. Click the Workstations tab.
- 3. Take note of the Install User Security Username and Password.

## **Installing Transaction Services**

### **Installing Prerequisites**

You must install the follow prerequisite programs before installing Transaction Services:

- Microsoft .NET Framework 3.5 Service Pack 1 (SP1)
- Microsoft Internet Information Services (IIS) 7.0
- Microsoft Web Service Extensions (WSE) 2.0 Service Pack 3 (SP3)

Obtain the following items and information before you begin the installation:

- Simphony First Edition version 1.8 installation media
- Website and unique port configuration
- Number of revenue centers using Transaction Services (if multiple)

If a previous version of Transaction Services is installed (earlier than 1.7), you must manually uninstall it before installing version 1.8. See Uninstalling Transaction Services for instructions.

### Installing Transaction Services

You must install Transaction Services on a workstation or computer running one of the following operating systems. When running on a 64-bit operating system, Microsoft IIS is configured to run in 32-bit mode for Transaction Services.

- o Microsoft Windows Server 2016 64-bit
- Microsoft Windows Server 2012 64-bit
- Microsoft Windows Server 2008 R2 64-bit (with 32-bit applications enabled)
- Microsoft Windows Server 2008 64-bit (with 32-bit applications enabled)
- Microsoft Windows Server 2008 32-bit
- Microsoft Windows Server 2003 32-bit
- Microsoft Windows 7 32-bit
- Microsoft Windows 7 64-bit (with 32-bit applications enabled)
- Microsoft Windows 8.1 64-bit
- Microsoft Windows 8.1 32-bit
- Microsoft Windows POSReady 7
- 1. Open the Simphony First Edition version 1.8 installation media, and then navigate to the TSSetup folder.
- 2. Double-click **TSWebServiceSetup.exe** to begin the installation.
- 3. Follow the InstallShield Wizard prompts by selecting and entering the appropriate information, and clicking **Next**.

Field	Description
EGateway URL	This is the EGateway address for Simphony First Edition using Transaction Services.
Workstation IDs Instances	Enter the Transaction Services workstation client ID for each property.
TS Port NOs Instances	Enter a unique port number for each Transaction Services website instance that you want to create on this machine. Simphony First Edition Transaction Services uses these configuration values when creating the websites and application pools in Microsoft IIS. Each instance of Transaction Services can support up to eight revenue centers, which are configured through the EMC. To add additional instances on the same machine, you must uninstall and then reinstall Transaction Services.
Transaction Employee Object Number	This value must match the employee record number noted in the
	Configuring the Transaction Services Default Employee section.
Tender Media Object Number	This is the tender media record number that the application uses to service total a check.

**Table 18-1 Transaction Web Service Configuration Fields** 

4. Click **Finish** when the wizard setup is complete.

## Verifying the Transaction Services Installation

Verify the success of Transaction Services installation using one of the following methods:

#### Web browser

Open a web browser and enter the following web address: http://localhost:[port<sup>1</sup>]/tswebservice/tswebservice\_1\_0.asmx. If Transaction Services installed successfully, the TSWebService\_1\_0 web service page appears after initialization is complete.

The initialization operation may take several minutes depending on the number of revenue centers configured. This is because the Transaction Services workstation client downloads each of the revenue center databases during the installation process.

#### Windows Explorer

Open Windows Explorer and navigate to C:\inetpub\wwwroot\. The presence of TSWebService folders indicates that Transaction Services is successfully installed. The

<sup>&</sup>lt;sup>1</sup> Use the port number you entered during the installation.

installation program created a TSWebService folder for each revenue center (instance) configured to run Transaction Services.

## **Upgrading Transaction Services**

You cannot upgrade the Transaction Services version. The Modify and Repair functions are disabled in this version. You must uninstall and then reinstall Transaction Services.

## **Uninstalling Transaction Services**

You can uninstall Transaction Services from either the **Control Panel** or through the installation wizard.

#### Uninstall From Control Panel

- 1. Open Control Panel.
- 2. Select Programs and Features.
- **3.** Right-click Transaction Services or Simphony First Edition Transaction Services (depending on the version), and then select Uninstall.

#### Uninstall Through Transaction Services InstallShield Wizard

- 1. Open the Simphony First Edition version 1.8 installation media and navigate to the TSSetup folder.
- 2. Double-click TSWebServiceSetup.exe.
- 3. On the InstallShield Wizard Program Maintenance dialog, select **Remove**, and then click **Next**.
- 4. Click **Remove** on the Remove the Program dialog.

## **Using Transaction Services**

#### Usage Example

The following sequence of actions and events occurs when a guest uses a Transaction Services client (for example, a point-of-sale kiosk) to place an order.

- 1. The guest orders items and quantities at the kiosk.
- 2. The guest pays with one of the following options:
  - Pay at kiosk with cash or credit card. The guest must pay in full with one payment tender (not with multiple or partial tenders).
  - The guest check is left open and the guest pays at a cashier workstation or to the room service delivery staff.
- **3.** The vendor application installed at the kiosk captures the order and check information.
- 4. The Transaction Services client sends the guest check information to Simphony First Edition enterprise.

- 5. The employee cashier picks up the open guest check at the workstation and finalizes the payment tender.
- 6. Simphony First Edition posts the paid guest check and prints the receipt.

## 19 Importing and Exporting Data

The Import/Export Service (formerly Data Access Utility) allows you to:

- Import and export Simphony First Edition application data in a comma-separated values (CSV) format, to or from spreadsheet applications
- Import configuration data into the Simphony First Edition application database that can be called by external systems, such as a web service application programming interface (API)
- Export configuration data from Simphony First Edition that can be called by external systems, such as an on premise inventory management application

The main benefits of this service are:

- Allows you to load configuration data in bulk (for example, making a large number of price changes for menu items, which reduces the amount of time it takes to configure systems)
- Allows third parties to integrate with customer databases (either self-hosted or hosted within an Oracle facility), without providing direct access to the application file server or database
- Allows third parties to build custom interfaces
- The Import Export Service is run from a command line interface. On the application server, the utility exists in the <*Drive*>:\Micros\Simphony\Tools\ImpExp directory.

The Oracle Hospitality Simphony First Edition Data Access Service document on the My Oracle Support contains more information on the Import/Export Service.

# 20 Workstations

## Workstation Status/Control

Beginning with Simphony First Edition version 1.7.6, the Workstation Status/Control module has been reintroduced to the application. The Workstation Status/Control is an EMC module that lets you view the current status of workstations on a property. You must ensure that each supported workstation is first upgraded to version 1.7.6 in order for you to review its live status. You can also access workstations and upload, view, or save files stored on the workstation to your computer. There are numerous other columns that provide you with a comprehensive listing of additional workstation connectivity and operational information.

## Workstation Status

The Workstation Status/Control module is opened from the Property level. When the module initially opens, the form shows a grid containing all the workstation records from the currently selected property.

#### Filter Box

The **Show Records Where** filter drop-down list includes fields that allow you to see only certain workstations based on specified criteria. The filter parameters are based on the column headings contained within the module's table grid.

<b>M</b> EMC					
E File E	Edit View	Help			
Q 🕷	😼 i o 🤇	0.4 10	<b>- 6 6 6 1 4</b> 6 % 6	5   🖬	$\mathbb{H}^{-} \leftarrow \mathbb{H}^{-}$
Home	e Page 🛛 ₩	orkstati	on Status/Control		
Filter					
	Show Record	ds Where	Show All Records	contair	is the text
	# 🔺		# Name Host Name	e	Version
۱.	1	mTablet-F	Version Last Online Contact Time		
	2	WS4LX	Since Contact		
	3	WS5	Last Playback Time		
	4	WS6	Connection Response Time		
	5	MC55AC	OPS State		
	6	MC75A	RVC		
	7	MC50	SAR Mode # SAR Messages		
	8	KWS4	Replay Error Files Printer 1 Status		
	9	KW270	Other Printer Status		
	10	Acuative	Cash Drawer 1 Open		
	11	DT430	Cash Drawer 2 Configured Cash Drawer 2 Open		
	12	MC70	Wireless Adapter Present BE Signal Strength		
	13	mTablet-B	Battery Present		
	14	WS5A	Battery AC Line On Battery Charging		
	15	POSAPI	Battery Charge	]	

Figure 20-1 Workstation Status/Control - Filter Box

## Workstation Status/Control Grid

The Workstation Status/Control grid shows the information related to each workstation in the property. The columns show data that is located and stored in the transaction database.

on Reci	ords Where Show All Reco	rda 💌 🔯	dam the last	2		Filter Now	_ CharEthers				
	- Name	Host Name	Version	Last Online Contact	Since Centact	in Playback	Last Playback Time	Last Live Status	Since Last	OPS State	Employee
1	mT ablet fi	0000		Never		No		aporto care	and the second second		
2	WS4LX	0000		Never		No					
3	WS5	0000		Never		No					
4	WSS	0000		Never		No			1.0		
5	MC95ACE	0.0.0.0		Never		No					
6	MC75A	0000		Never		No					1
7	MC50	0000		Never		No					
0	KWS4	0000		Never		No					
9	Kw270	0.0.0.0		Never		No					
10	Acuative	60.00		Never		No					
11	DT430	0000		Never		No					
12	MC70	00.00		Never		No					
13	mTablet-E	0.0.0.0		Never		No					
14	WS5A	0000		Never		No			1.0		
15	POSAPI	0000		Never		No			And	1.000	
16	4LX/WS	192.0.2.195	1.7.0600 R	1/3/2019 11:18:25 AM	0:00.15	No		1/3/2019 11:18:30 AM	0.00.10 (339)	Transaction	90002 · New
17	W\$620	192.0.2.117	1.7.0600 R	1/3/2019 11:18:21 AM	0.00.19	No		1/3/2019 11:18:20 AM	0.00.20 (246)	Transaction	90001 - MICROS, MICROS
sch linken Is	val 👱	1									

#### Figure 20-2 Workstation Status/Control Grid

The following columns are shown in the grid:

Column Name	Description
#	This column shows the object number of the workstation.
Name	This column shows the name of the workstation.
Host Name	This column shows the Host Name (or IP Address) of the workstation. When this link is clicked, the EMC shows a new page with detailed workstation information.
Version	This column shows the current version of the workstation client. This information is obtained from a database query that occurs at the interval determined by the <b>Last Contact Timer</b> field setting.
Last Online Contact Time	This column shows the last contact time between the database and the workstation client while the workstation was online. Workstations periodically make requests to obtain any changed records; during this process, the Last Contact Time for the workstation is updated. This information is obtained from a database query that occurs at the interval determined by the <b>Last Contact Timer</b> field setting. This time reflects the local time of the application server.
Since Contact	This column shows the time elapsed since between the Last Contact column and the current date/time. This value does not update in real-time, rather it updates at the interval determined by the Last Contact Timer field setting.

Table 20-1 Workstation/Control Grid Columns

Column Name	Description			
In Playback Mode	This column shows the state of the workstation and its offline transactions if the workstation is currently replaying its checks, or not.			
Last Playback Time	If a workstation is currently replaying its checks, this column shows the time of the last check that was replayed.			
Last Live Status Update Time	This column shows data only when <b>Live Status</b> is enabled. This column shows the last time that a workstation's live status information was written to the database.			
Since Last Update	This column shows data only when <b>Live Status</b> is enabled. This column shows the elapsed time it takes between the <b>Last Live Status Update Time</b> and the current date and time.			
	<b>Note:</b> This value does not update in real-time, rather it updates based on the configuration of the <b>EMC Refresh Interval</b> setting.			
	The content in this column is color coded. The colors signify:			
	• Green indicates that the elapsed time between the Last Live Status Update time and the current time is less than three minutes.			
	• Yellow indicates that the elapsed time between the Last Live Status Update time and the current time ranges between three to five minutes.			
	<ul> <li>Red indicates that the elapsed time between the Last Live Status Update time and the current time exceeds five minutes.</li> </ul>			
OPS State	This column shows data only when <b>Live Status</b> is enabled and a connection to the workstation has been received. What shows here represents the current activity on the workstation, including: Idle, Sign-In, or Transaction.			
Employee	This column shows data only when <b>Live Status</b> is enabled. If the <b>OPS State</b> field is Sign-In or Transaction, this field shows the employee who is signed onto the workstation.			
RVC	This column shows data only when <b>Live Status</b> is enabled. This field shows the revenue enter (RVC) of the current activity.			
SAR Mode	This column shows data only when <b>Live Status</b> is enabled. This field shows <b>Yes</b> or <b>No</b> to indicate if the workstation is in Stand-Alone Resilient (SAR) mode.			
# SAR Messages	This column shows data only when <b>Live Status</b> is enabled. This field shows <b>Yes</b> or <b>No</b> to indicate if the workstation is in SAR mode.			
Replay Error Messages	This column shows data only when <b>Live Status</b> is enabled. This field shows <b>Yes</b> or <b>No</b> to indicate if the workstation contains any failed offline replay messages.			
Printer 1 Status	This column shows the status of Printer 1, if configured			
Other Printer Status	This column shows the status of the Other Printer, if configured			
Cash Drawer 1 Configured	This column shows <b>Yes</b> if the workstation is configured with 1 or 2 Cash Drawers; otherwise, this column shows <b>No</b> .			

Column Name	Description
Cash Drawer 1 Open	This column shows <b>Yes</b> if the first cash drawer of the workstation is open; otherwise, this column shows <b>No</b> . No always shows if <b>Cash Drawer 1 Configured</b> is <b>No</b> .
Cash Drawer 2 Configured	This column shows <b>Yes</b> if the workstation is configured with 2 Cash Drawers; otherwise, this column shows <b>No</b> .
Cash Drawer 2 Open	This column shows <b>Yes</b> if the second cash drawer of the workstation is open; otherwise, this column shows <b>No</b> . No always shows if <b>Cash</b> <b>Drawer 2 Configured</b> is <b>No</b> .

\* The Printer 1 and Other Printer designations are determined by the Print Controller settings configured in the Printers (EMC Module) where Printer 1 is the Printer with the lower of the two object numbers. In the event that many Printers are using the same Printer Controller (not recommended), the status is only be made available for the two Printers with the lowest object numbers.

Column Name	Description
Wireless Adapter Present	This column shows <b>Yes</b> when the client type has a wireless adapter; otherwise, this column shows <b>No</b> . No is always showed for wireless Oracle MICROS workstations.
RF Signal Strength	This column indicates the numerical signal strength percentage and always shows <b>No</b> if there is no Wireless Adapter Present.
Battery Present	This column shows <b>Yes</b> when the client type is able to run on battery power; otherwise, this column shows <b>No</b> .
Battery AC Line On	This column shows either <b>Yes</b> or <b>No</b> ; Yes shows for any workstation running on AC, regardless of whether or not a battery actually exists.
Battery Charging	This column shows either <b>Yes</b> or <b>No</b> ; No always shows if there is no Battery Present.
Battery Charge	This column indicates the numerical battery charge percentage and always shows <b>0</b> if there is no Battery Present. Note that this cell is highlighted in RED once the Battery Charge falls below 60%. This threshold differs from that which is seen when initiating the <b>Enter Workstation Status Mode</b> - function key 317.

## **Timer and Status Fields**

When the EMC Refresh Interval is enabled, it increases traffic on your network. Oracle recommends using the default settings for these values. In addition, Oracle recommends closing this module when it is not being used, to prevent excess network traffic.

Below the grid, there are two timer boxes:

**Table 20-2 Last Contact Timer and Status Settings** 

Column Name	Description
EMC Refresh Interval	This drop-down list controls the intervals between database reads to obtain the Version, Last Live Status Update Time, and Since Last Update data. The available settings are ten seconds (default), thirty seconds, one minute, or two minutes.
Live Status	The <b>Enable</b> checkbox and drop-down list determines the request interval. When enabled, the grid updates the <b>Last Live Status</b> <b>Update Time</b> column and all associated columns. The available settings are ten seconds (default), thirty seconds, one minute, or two minutes.

## Workstation Status Page

After the **Host Name** for a workstation has been clicked, the EMC shows the status of a workstation. In the example image, a workstation named '4LX-W5' was clicked. The page shows many of the same fields from the workstation grid, and a few additional fields. In addition, three Operations links are showed:

Files

When this link is clicked, a dialog shows all the log files from the workstation. From here, the user may select a log and view or save a text document or executable. Beginning with Simphony First Edition version 1.7.6, this field allows access to all directories and files under the application's root directory.

Comms Stats

When this link is clicked, a text file shows a diagnostics summary of incoming and outgoing messages for the workstation.

#### Additional Status Fields

The Last Live Status Update Time and Since Last Update fields also appear on this page. They behave like and show the same information as the columns (of the same name) from the Workstation Status/Control tab.

Vorkstation					
Number	16	Version	1.7.0600 R		
Name	4LX-WS	Last DB Update	e 1/3/2019 11:21:28 AM (0:	00:14)	
Address	192.0.2.155				
Operations	Status				
<u>Files</u>	Last Live Status Upd	Last Live Status Update Time 1/3/2019 11:21:34 AM		Since Last Update	0:00:08 (357)
Comms Stats	Version	V	ersion 1.7.6.0 R		
	Application Up Time	19	3:28:16		
	Time Since Last Ac	tivity 0:	11:36		
	SAR Mode	N	0		
	# SAR Messages	0			
	Replay Error Files	N	0		
	OPS State	Ti	ansaction		
	Employee	90	0002		
	RVC	12	2		
	Configuration				
	Client ID	8.	l		
	Gateway URL	ht	tp://192.0.2.0:8080/egateway/egatew	ay, asmx	
	CAL URL	ht	tp://192.0.2.0:8080/EGateway/EGate	way, asmx	
	IP Address	19	32.0.2.155		
	Check Informatio	n		_	
	Check Number	14	40		
	Check Table	4			
	Check Group	1			
	Check ID				
	Hardware Status				
	Number of Printers	0			
	Cash Drawer 1 One	n N	0		

Figure 20-3 Workstation Status Page

## Accessing Files on Workstations

When you want to access files on a workstation, click the **Files** link, and a window appears that lists the file structure located on the workstation. From here, you can:

- · Navigate the folders and files on the workstation
- Upload and view files
- Upload and save workstation files to your local computer
| Name              | File Size | Last Write Time     | Creation Time       | Status            |
|-------------------|-----------|---------------------|---------------------|-------------------|
|                   |           |                     |                     |                   |
| ArchiveLog.cfg    | 62        | 2018/12/12 13:51:58 | 2018/07/26 14:15:10 | Data not Uploaded |
| P2PPrinting.txt   | 349       | 2018/12/11 19:08:36 | 2018/12/11 19:08:26 | Data not Uploaded |
| P2PPrinting.txt.0 | 539       | 2018/12/11 19:06:52 | 2018/12/11 18:13:52 | Data not Uploaded |
| P2PPrinting.txt.1 | 349       | 2018/12/11 14:58:36 | 2018/12/11 14:58:22 | Data not Uploaded |
| P2PPrinting.txt.2 | 349       | 2018/12/11 13:16:58 | 2018/12/11 13:16:42 | Data not Uploaded |
| P2PPrinting.txt.3 | 74300     | 2018/12/10 13:43:18 | 2018/12/07 20:12:18 | Data not Uploaded |
| SarOpsLog.txt     | 409071    | 2018/12/12 13:52:00 | 2018/12/11 19:08:26 | Data not Uploaded |
| SarOpsLog.txt.0   | 47123     | 2018/12/11 19:06:52 | 2018/12/11 18:13:52 | Data not Uploaded |
| SarOpsLog.txt.1   | 90007     | 2018/12/11 18:09:50 | 2018/12/11 14:58:22 | Data not Uploaded |
| SarOpsLog.txt.2   | 89298     | 2018/12/11 14:43:56 | 2018/12/11 13:16:42 | Data not Uploaded |
| SarOpsLog.txt.3   | 262366    | 2018/12/10 19:54:58 | 2018/12/07 20:12:20 | Data not Uploaded |
| SarOpsLog10.txt   | 51771324  | 2018/12/03 15:35:10 | 2018/12/11 20:14:14 | Data not Uploaded |
|                   |           |                     |                     |                   |
|                   |           |                     |                     |                   |

#### Figure 20-4 Workstation Status/Control Workstation File Access

To view or save files:

- 1. Double-click the gray box adjacent to the file that you want to access.
- 2. Click the **Upload** button.
- 3. The Status column shows that the file is Uploading.
- 4. Eventually, the Status column indicates that it is **Ready**.
- 5. Once ready, click the **View** button and read the contents of the selected file.
- 6. If you want to copy the file to your local computer, click the **Save** button and designate where on your computer you want to save the file.

### Purging Workstation Status/Control Data

The data for the Workstation Status/Controls module is purged from the system. The task is configured by accessing the **Enterprise Parameters**, **Purge History** tab. The **Workstation Status/Control Request Data** purge job's default setting is 45 days. The minimum **Days To Keep** entry for this task is 30 days and the maximum entry is 90 days.

	ne Pa ogin Hie urge Jo	ge Workstation Status/Control MyMicros Miscellaneous rarchy 14 Audit This Record Name Sample	Enterprise Parai Services P	neters urge History Licensing	Data Privacy
]		Purge Type	Days To Keep	Last Run Time (UTC)	
	-	Signature Capture Data	7	11/14/2018 5:04:40 AM	
		Time Card Detail	60	11/14/2018 5:04:40 AM	
		Check Totals	390	11/14/2018 5:04:40 AM	
		Transactional Log Data	90	11/14/2018 5:04:40 AM	
	•	Workstation Status/Control Request Data	45	11/14/2018 5:04:40 AM	
		Playback Exception Data	60	11/14/2018 5:04:40 AM	
		User Experience Data	45	11/14/2018 5:04:40 AM	

Figure 20-5 Workstation Status/Control Data Purge Job

### Identifying a Concession Workstation

You can identify the workstations used for concession sales in the EMC. You can also view the total number of concession workstations in your Enterprise from the **Licensing** tab in the Enterprise Parameters module.

- 1. Select a property, click **Setup**, and then click **Workstations**.
- 2. Double-click the workstation.
- 3. Click the **Options** tab, and then click the **Offline/Misc.** subtab.
- 4. Select option 59 Concessions terminal.
- 5. Click Save.
- 6. Repeat steps 2 through 5 for each concession workstation.

# Configuring the POSReady2009 Workstation as a Service Host

There are two methods on how to configure a POSReady2009 Workstation as a service host. Both methods involve setting a system level proxy for a POSReady2009 Workstation.

### Setting System Level Proxy in POSReady2009 Workstation

- 1. In the Group Policy Editor, force the proxy settings to be per machine, by running gpedit.msc.
- Navigate to Computer Configuration, Administrative Templates, Windows Components, Internet Explorer, and then enable Make proxy settings per-machine (rather than per-user).
- 3. If there is no path to the **Internet Explorer** policy:
  - a. Navigate to Computer Configuration, Administrative Templates, Action, and then Add/Remove Templates.
  - b. Click Add.
  - c. Choose the inetres.adm file, and then click Open.

### Setting System Level Proxy in EMC – Enterprise Level

- 1. In EMC, select the Enterprise level.
- 2. Click Enterprise Parameters, and then select the Services tab.
- 3. From the **Communication Options** section, enter the proxy server address, including the port number. For example, https://ProxyServerName.com:443.
- 4. Enter the desired app server names in the Proxy Bypass List to bypass the proxy.
- 5. Click Save.

### Setting System Level Proxy in EMC – Property Level

- 1. In EMC, select the Property level.
- 2. Click **Property Parameters**, and then select the **Services** tab.
- 3. From the **Communication Options** section, enter the proxy server address, including the port number. For example, https://*ProxyServerName.com*:443.
- 4. Enter the desired app server names in the Proxy Bypass List to bypass the proxy.
- 5. Click Save.

## 21 Workstation Touchscreens

### **Understanding Touchscreens**

A touchscreen is a computer monitor which can detect the location of touches within the display area. This functionality allows you to use the display as an input device, without the need for a keyboard or mouse. MICROS hardware has utilized touchscreen functionality for decades; in most installations, touchscreen workstations are the primary ordering devices for end users.

### Workstations that use Touchscreen Technology

With the exception of Keyboard Workstations, all MICROS workstations are designed to use touchscreen technology.

### Maintenance and Care

To get the most life out of a workstation's touchscreen, follow these guidelines:

- When touching the screen, use the fleshy part of your fingertip. Avoid using pens, pencils, pencil erasers, or the corner of your mag card.
- Do not drag your finger on the screen. Over time, this could cause the screen to lose its calibration. Currently, MICROS touchscreen technology does not support multitouch user interfaces.
- To clean a workstation's touchscreen, use a damp cloth with water. Avoid using chemicals.



Figure 21-1 Sample Workstation Transaction Page

### Touchscreen Areas

The following table describes the different touchscreen areas in a workstation. The location of a touchscreen areas can vary depending on the page template, but the information shown within the area is consistent between all of the templates.

Touchscreen Area	Description
Blue Option Bar (BOB)	The Blue Option Bar, or sometimes YOB Yellow Option Bar (YOB), provides instructions to the workstation operator. The color of the option bar varies based on the workstation theme that is in use. By default, the bar says, Sign in, enter your ID number.
Check detail area	<ul> <li>This area shows all the menu items, tenders, service charges, and discounts ordered. The location of this area varies from one touchscreen template to another.</li> <li>The check detail area shows items with symbols, indicating the status of an item. For example:</li> <li>Previous round items show an asterisk (*).</li> <li>Previous round items that are repeatable with the Repeat Round function key show a right arrow (&lt;).</li> <li>Items on hold show an H symbol. If the item is on hold from a previous round, it shows both the H and the asterisk (*) symbol.</li> </ul>
	You can determine how to sort the check detail area through the Sorting section in the RVC Parameters module.
Check summary area	<ul> <li>This area shows:</li> <li>The name of the check operator</li> <li>The date/time the check was opened</li> <li>The number of guests</li> <li>The check number</li> <li>The subtotal</li> <li>Tips</li> <li>Taxes</li> <li>The Total paid</li> <li>The order type of a transaction</li> <li>Automatic service charges (if any)</li> </ul>

Table 21-1 Workstation Touchscreen Areas

Touchscreen Area	Description
Last entry area	This area shows the last action performed or the last item ordered. This area is always appears at the top of the screen.
Transaction flag area	<ul> <li>This area shows various flags relevant to the transaction.</li> <li>These flags include:</li> <li>Void/return indicator</li> <li>Offline indicator</li> <li>Tax Exempt flag</li> <li>Auto service charge exemption flag</li> <li>Training Mode indicator</li> </ul>
Workstation status area	<ul> <li>This area shows:</li> <li>The revenue center name</li> <li>The workstation name</li> <li>The signed-in user's name</li> <li>The active Menu Levels</li> </ul>

### **Touchscreen Bitmaps**

A Touchscreen Bitmap is a bitmap that is displayed on touchscreens. Generally speaking, a Touchscreen Bitmap has no functional usage; its purpose is decorative only.

### **EMC** Configuration

The **Touchscreen Bitmaps** module is accessed from the Enterprise Scope. The only configurable field is the name of the record. The image that is associated with the record can be added in Form View, using one of these two buttons:

#### Load Image

When this button is used, the standard Windows file dialog allows the programmer to select an existing bitmap image.

#### Paste Image

This button lets the programmer paste an image that is stored on the computer's clipboard. The image should be on the clipboard, not a file containing the image. For example, if a user copies a bitmap file and attempts to paste it, an error occurs.

Current Record
Number 2
Audit This Record
Name Music notes
Load Image...
Paste Image...

However, if a user opens the bitmap file (perhaps using Microsoft Windows Paint) and selects its content, this data can be pasted.

Figure 21-2 Adding Touchscreen Bitmaps

### Adding a Bitmap to the Screen

Touchscreen Bitmaps appear on workstations when they are assigned to Touchscreen Keys.

#### Size

There are no size limitations enforced by EMC. However, when a workstation is required to download several large images, this increases network traffic and may also cause slow operations on the machine. Bitmaps over 1 MB can fail to download to the WS. Large bitmaps and large numbers of bitmaps should be avoided.

#### **Color Depth**

When images are used on Windows CE clients, these workstations display images using high color (16 bits). If the bitmap is using true color (24-bit), or another greater color depth, a conversion must take place each time the image is drawn to the screen. To increase performance on these workstation types, Oracle Food and Beverage recommends that 16-bit images are used; this is especially true for larger images being used as backgrounds.

### **Touchscreen Templates**

A touchscreen template determines the layout of the touchscreen areas on a touchscreen. Currently, touchscreen templates are not user-configurable. By default, eight touchscreen templates are provided with Simphony First Edition (six for regular workstations and two for Mobile MICROS Handheld (MMH) workstations).

### Comparison of Touchscreen Templates

In the Touchscreen Design EMC module, each touchscreen is assigned a touchscreen template. The following table compares the different touchscreen templates that are available:

#	Template Name	No. of Rows	No. of Columns	Common/Preferred Usage	Available on MMH?
1	Classic	6	10	Any usage. This is the default Template used for upgrades from 8700 and all installations prior to 9700 3.10. Additionally, this template is often used as the Alpha Entry Screen.	No
2	Speed Pad	10	10	Ideal for quick service environments or other environments where the entire view of the check detail/check summary areas is not needed. In most environments, this screen is not used as a payment screen.	No
3	Large Detail Left	10	5	Ideal for use as the Payment Screen or Function Screen, especially in environments that use the Speed Pad as the primary ordering template.	No
4	Sidebar Left	24	14	Ideal for any environment or screen type.	No
5	Sidebar Right	24	14	Ideal for any environment or screen type.	No
6	ММН	11	7	Used for most screens on Mobile MICROS devices.	Yes

Table 21-2 Touchscreen Template Comparison

#	Template Name	No. of Rows	No. of Columns	Common/Preferred Usage	Available on MMH?
7	MMH Review	3	4	Typically used for a Mobile MICROS navigational screens. In most MMH environments, it is not necessary for the operator to see the check detail throughout the transaction. Instead, users often program the screens so that the MMH Review screen is accessible from any other screen, and it shows the detail area.	Yes
8	MMH Classic	5	8	An alternate usage for Mobile MICROS devices. This is the same template that was available for 9700 installations.	Yes

### Default Sign In Touchscreen

The Default Sign In Screen is the touchscreen that appears on a workstation when no one is logged on. When this touchscreen is active, BOB says Sign in, enter your ID number. The Default Sign In Screen is configured in the EMC's Touchscreen Assignment module. The Default Transaction Touchscreen in the EMC's Workstation module is not the Default Sign In Screen. For more, see Default Transaction Touchscreen.

### **Default Transaction Touchscreen**

A Default Touchscreen is the initial touchscreen that appears when an employee signs in to a workstation. There are different ways to determine which touchscreen will appear when an employee signs in. A Default Touchscreen Hierarchy exists to prioritize which touchscreens take precedence.

### Default Touchscreen Hierarchy

The Default Touchscreen Hierarchy determines which touchscreen employees sees when they sign into a workstation. If priority #1 does not apply, the system looks at priority #2. If #2 does not apply, the system looks to priority #3, and so on. The term "does not apply" means that the touchscreen value is set to 0. For example, if a workstation operator has a default touchscreen of 0, the system tries to look at Employee Class. If there is no Default Touchscreen assigned in any of the six priorities, the workstation results with an error.

Priority	Default Touchscreen	EMC Module Where Programmed
1	Training Mode <sup>2</sup>	Touchscreen Assignment
2	Operator	Employee Maintenance, Operators
3	Employee Class	Employee Class
4	Workstation	Workstations
5	Serving Period	Serving Periods
6	Revenue Center	Touchscreen Assignment

 Table 21-3 Default Touchscreen Hierarchy

### Usage and Recommendations for Programming

This section discusses configuration possibilities of programming default touchscreens, give situations where screens can be programmed in a certain manner, and show advantages and disadvantages to programming using different priorities.

#### **Training Mode**

If an employee is in training mode and the Default Training Screen is defined in Touchscreen Assignment for the revenue center, the employee always sees the Default Training Screen. (This screen can have a Label Only button that something like **YOU ARE IN TRAINING MODE** so the employee realizes that the sales they ring are not real sales.)

- Advantages: Allows employees to know that they are in training mode.
- Disadvantages: An extra touchscreen exists in the database.

#### Operator

In general, people do not program databases with Operators dictating the default screens, but rather as an override to other touchscreen priorities. More discussion about Operator Overrides in the Employee Class section.

- Advantages: When looking at a database that has all operators with a default touchscreen, you can easily determine what screen the user sees once signed in, because nothing overrides the Operator. (Technically, Training Mode overrides Operators, but employees are not usually programmed as in training mode.)
- Disadvantages: It takes effort to edit the Operator module to change a touchscreen for every operator. Instead of making just one change somewhere else (Employee Class or Serving Periods), you have to change possibly hundreds of employees.

#### **Employee Class**

Programming touchscreens by Employee Class generally makes the most sense in regard to database organization—if an employee is a server, the employee always sees the server touchscreen. Managers see manager screens and bartenders see bartender screens. Typically, programmers who use Employee Class have programmed all their revenue centers similarly or as identically as possible. If an employee in an Employee

<sup>&</sup>lt;sup>2</sup> The Training Mode Default Touchscreen only applies when the employee is in training mode and a Default Training Screen is defined in Touchscreen Assignment for the revenue center.

Class requires a different touchscreen, an operator touchscreen can be assigned to that employee as an override.

- Advantages:
  - You can change the default touchscreen for many employees simultaneously by changing the Employee Class default screen.
  - Easier maintenance for the site as Employee Class and Operator File are the only two hierarchies involved.
  - Programming default screens by Employee Class is ideal in most types of properties.
- **Disadvantages**: The programmer has to program each revenue center similarly (this is usually done anyway). For example, if screen #41 is the default server screen, and screen #41 does not exist in one revenue center, a server in that revenue center receives an error because the touchscreen number is invalid.

#### Workstation

This method is often used at sites where all employees perform the same functions, such as a stadium or food court, and where most of the employees are the same type of workstation operator (in this case, fast-transaction cashiers).

For example, a convention center or stadium (that has concessions only) has every employee defined in a Fast Transaction Cashier class, but each revenue center has a different menu and different touchscreens. This is an ideal situation to use Workstations for the default touchscreen. In this example, because the site has essentially programmed each workstation to match with a particular menu, the site can program each workstation with a default touchscreen; therefore, each menu is associated with each default touchscreen.

- Advantages: Ideal for the situation mentioned above. If the touchscreen needs to be overridden, for example, for managers, the Manager Employee Class can have a default touchscreen assigned so managers see their own screen.
- **Disadvantages**: It does not work well in every type of property, but it is perfect for the situation described above.

#### **Serving Period**

Programming default touchscreens by Serving Periods was previously a popular option but is used less and less frequently due to the maintenance that it requires, and the lack of flexibility. This method is often used for three-meal restaurants, where breakfast, lunch, and dinner menus are drastically different, and the programmer wants to guide the server to a different screen depending on the time of day. The problem with this method is that not every employee is a server, and there are other easier ways to change breakfast, lunch, and dinner item selections.

• Advantages: When a server works in breakfast, their default screen has a Begin Table function key that takes them to a breakfast SLU selection. At lunch, the Begin Table function key takes them to the lunch SLUs, and so on.

- Disadvantages:
  - **Programming the screens**: Often these databases have three Begin Table screens that are completely identical, the only difference being the next screen that is attached to Begin Table. This means that you must make one change to the default transaction touchscreen three times.
  - Serving Period Changes: If serving periods are not configured to change automatically, the default screen does not immediately change to lunch when the lunch serving period begins. Additionally, most hotels allow customers to order food from any menu at any time. So if a customer wants an omelet at dinner time, the server has to change the serving period to breakfast to add omelets to the check, and that sale posts to the breakfast revenue.
  - Overrides: There are too many different ways to override serving periods, so it is difficult to determine where a user is getting their default touchscreen. For example, if overriding the serving period screen using Operators (for managers), each manager has to have an operator file, which is cumbersome. If overriding using Employee Class (for managers), it is odd to the customer why only one Employee Class has a default screen and the other classes do not. What about bartenders? They have different screens as well.

#### **Revenue Center**

Almost no one uses the Default Transaction Screen field in Touchscreen Assignment to dictate their default touchscreens. More often, this field is used as a catch-all in case of error. For example, if an employee does not have 1 through 5 priorities assigned, instead of receiving an error from the workstation, programmers can direct users to the Default Transaction Screen that says: **No default screen found. Ask your manager to reprogram**.

### **Touchscreen Function Keys**

A touchscreen function key, sometimes called a button or a key, is an element that appears on a touchscreen, allowing user interaction. Unlike other parts of a touchscreen, the touchscreen key area is completely user-defined. You can configure touchscreen keys to perform a number of different tasks. These tasks are broken into groups called Key Types.

### Touchscreen Key Types

The following table lists the key types that are available, the choices in EMC once the key type is selected for a key, and the behavior at the workstation when the key type is used.

Кеу Туре	EMC	The Workstation
1 – Menu Item	Shows a list of Menu Item Masters that contain at least one Menu Item Definition in the current revenue center. It is not possible to assign a specific menu item definition to a touchscreen key. Instead, the workstation determines the definition to use when the key is used.	Adds the menu item assigned to the key. The workstation determines the definition at the time the item is ordered based on the active Menu Levels. If no definitions are active, the error <b>Menu Item Not Found</b> appears.
3 – Discount	Shows a list of discounts in the current property.	Applies the discount assigned to the key.
5 – Service Charge	Shows a list of service charges in the current property.	Applies the service charge assigned to the key.
7 – Tender Media	Shows a list of tender/media records in the current property.	Applies the tender/media assigned to the key.
9 – Key Pad	Shows a list of keypad entries, including 0-9, 00, the decimal key, Enter, Clear, Backspace, and others.	Performs the selected keypad function.
11 – Function	Shows the function key list.	Performs the selected function.
12 – Macro	Shows a list of macro records in the current revenue center.	Performs the keystrokes defined in the macro.
13 – Menu Item SLU	Shows a list of menu item SLUs from the current revenue center. There are always 127 menu item SLUs for a revenue center; only the names of the SLUs differ between the revenue centers.	Shows all menu items associated with the selected SLU key.
14 – Discount SLU	Shows a list of discount SLUs from the current property. There are always 64 discount SLUs for a property; only the names of the SLUs differ between the properties.	Shows all discounts associated with the selected SLU key.
15 – Service Charge SLU	Shows a list of service charge SLUs from the current property. There are always 64 service charge SLUs for a property; only the names of the SLUs differ between the properties.	Shows all service charges associated with the selected SLU key.

Table 21-4 Touchscreen Key Types

Кеу Туре	EMC	The Workstation
16 – Tender/Media SLU	Shows a list of tender/media SLUs from the current property. There are always 64 tender/media SLUs for a property; only the names of the SLUs differ between the properties.	Shows all tender/media records associated with the selected SLU key.
17 – Alphanumeric	Dims the Key Number textbox, and activates the Alpha textbox where you can enter any single character to use for prompts or confirmation dialogs.	Enters the text assigned to the key. This key is generally used on the Alpha Entry Screen.
18 – Course SLU	Shows a list of menu item course SLUs from the current revenue center. There are always 32 menu item course SLUs for a revenue center; only the names of the SLUs differ between the revenue centers.	Shows all menu items that belong to the selected course.
20 – Smart Key	Shows a list of Smart Keys programmed in the current revenue center.	Performs the function of the Smart Key. A Smart Key is itself a touchscreen key; it performs different functions based on different criteria.
21 – 28 SIM Inquiry (1 through 8)	Activates the Key Number textbox active, allowing you to enter a value between 1 through 999,999. These keys allow you to set a SIM event inquiry. If you programs a touchscreen key as a Function/SIM, only 20 inquiries are available for each SIM; key types 21 through 28 expand the number of key types available.	Performs the selected SIM Inquiry.
	If you configure this field for SIM 1 Inquiry and then enter 1 as the Key Number, it is essentially the same as using function key #920. Ideally, you should use this function key only when the SIM Inquiry is greater than 20.	
31 - Autosequences	A list of workstation Autosequences Configured for the current property.	Runs the selected Autosequence.

### **Touchscreen Navigation Function Keys**

Function keys that are used for navigating touchscreens are not associated with Employee Role permissions or other user restrictions. The purpose of these keys is to allow workstation operators to navigate from one screen to the next.

While these function keys do not require Employee Role privileges, it is possible to restrict access to a touchscreen by using the lockout macro technique.

The following table describes the use of each navigation function key.

Function Key Name	Description
350 - TS No Key Display	This function key is designed to be a blank space on the workstation touchscreen.
351 - TS SLU Page Up	The SLU shows the previous page of SLU items.
352 - TS SLU Page Down	The SLU shows the next page of SLU items.
353 - TS SLU Home	The SLU returns to the first page of SLU items.
354 - TS SLU End	The SLU shows the last page of SLU items.
355 - TS Shift	Used to move to the next screen when a Next Screen key is not valid. For example, by placing this key on the sign-in screen, operators can shift to another screen (this can be used because the TS Next key is invalid on the Sign-In screen).
356 - TS Popup	Shows the touchscreen configured as the Next Screen for this function key as a pop-up touchscreen.
	A popup touchscreen closes itself after a function is performed from the screen. Note that Popup touchscreens are generally programmed with a Close Popup function key.
357 - TS Close Popup	Closes the TS pop-up touchscreen. This function key is used on screens accessed using the TS Popup or TS Stay Down function keys.
358 - TS Contrast Up	Changes the touchscreen contrast.
359 - TS Contrast Down	Changes the touchscreen contrast.
360 - TS Next Screen	Shows the touchscreen configured as the Next Screen for this function key.
361 - TS Previous Screen	Shows the previous touchscreen that was on screen.

**Table 21-5 Touchscreen Navigation Function Keys** 

Function Key Name	Description
362 - TS Stay Down Screen	Shows the touchscreen configured as the Next Screen for this function key as a pop-up touchscreen.
	Different from a pop-up touchscreen, a Stay Down screen does not close itself after a function is performed. Note that Stay Down touchscreens are generally programmed with a Close Popup function key.
363 - TS Label Only	Shows the label on the touchscreen.

### Guest Check Pickup Function Keys

Picking up a guest check means that an operator has logged on to a workstation and is going to access a guest check that is already service totaled. Operators service total checks when a service round is complete; and then pick up a guest check when they wants to perform more operations on the check.

Simphony First Edition provides several function keys for picking up guest checks. To use any of the function keys listed below, they must be programmed on the operator's Default Transaction Screen.

Function Key Name	Description
402 - Pickup by Number	Used to pick up a check in the current revenue center, using the check number.
403 - Pickup Check#, RVC?	Used to pick up a check using the check number, from one of the eight revenue centers assigned to the workstation.
404-411 - Pickup, Check#, RVC 1-8	Used to pick up a check using the check number, from one of the specific revenue centers assigned for the workstation, as programmed in EMC. For example, if the <b>405 - Pickup</b> , <b>Check#</b> , <b>RVC 2</b> function key is used, the workstation picks up the check from the RVC #2 specified for the workstation.
412 - Pickup by Table	Used to pick up a check in the current revenue center, using the table number or table ID.
413 - Pickup, Table#, RVC?	Used to pick up a check using the table number or table ID, from one of the eight revenue centers assigned to the workstation.
414-421 - Pickup, Table#, RVC 1-8	These eight keys are used to pick up a check using the table number, from one of the specific revenue centers assigned for the workstation, as programmed in EMC. For example, if the <b>415 - Pickup, Table#, RVC 2</b> function key is used, the workstation picks up the check using a table number from the RVC #2 specified for the workstation.
436 - Pickup Check by ID	Used to pick up a check by ID.

#### **Table 21-6 Guest Check Pickup Function Keys**

Function Key Name	Description
439 - Pickup Check SLU	Used to pick up a check by selecting the appropriate check from a list of all the accessible open checks on the touchscreen SLU.
	This is the most popular form of picking up checks.

### Adding Function Keys to Touchscreens

- 1. To configure touchscreens for workstations, select the revenue center, and then click **Touchscreen Design** under the Workstations heading.
- 2. To configure touchscreens for Mobile MICROS devices, select the revenue center, and then click **Touchscreen Design** under the Mobile MICROS heading.
- **3.** Add a new record, enter a name (for example, Transaction page), and then doubleclick the record to open it.
- 4. On the Touchscreen tab, configure the appropriate settings:

Field	Description
Name	Enter a name that describes the touchscreen. Up to 16 characters are allowed.
Template	Select a template to use for the touchscreen. The touchscreen template determines the number of rows and columns that are appear in the designer grid, and the location of the touchscreen areas and buttons for the screen.
Background File	Enter the name of a background file, if any, to show under the touchscreen keys for the button area of the touchscreen. You must manually place this file in the workstation's Bitmaps directory or push it to the workstation through the Client Application Loader (CAL). Background supports BMP format.
Media File	Enter the name of a media file, if any, to play or show when this touchscreen becomes active. You must manually place this file in the workstation's Media directory (trainingmedia directory in case of training mode) or push it to the workstation through CAL. This field is translatable, allowing you to play different media files based on the logged-in user's language. Media files support WMV and WAV format.
Idle Media File	Enter the name of the idle media file, if any, to play or show when this touchscreen is active and the Idle Time is reached. You must manually place this file in the workstation's Media directory (trainingmedia directory in case of training mode) or push it to the workstation through CAL. This field is translatable, allowing you to play different media files based on the logged-in user's language. Idle Media files

support WMV and WAV format.

#### **Table 21-7 Touchscreen Settings**

Field	Description
Idle Time	Enter the time, in seconds, to wait before showing the Idle Media File.
Animation Image	Enter the name of an animation image, if any, to show when this touchscreen becomes active. Animation Images appear on the touchscreen template's animation area, if it exists. This field allows you to show a series of images for a preset number of seconds. For example, a property wants to show five images that illustrate the steps for properly folding napkins. The programmer enters the value napkin.bmp for this field, and then loads the files napkin1.bmp, napkin2.bmp, napkin3.bmp, napkin4.bmp and napkin5.bmp onto the client. The workstation shows each image in succession for the number of seconds configured in the <b>Animation Image Speed</b> field.
	You must manually place the files in the workstation's Media directory or push them to the workstation through CAL. This field is translatable, allowing you to show different media files based on the logged-in user's language.
Animation Image Speed	Enter the number of seconds each animation image stays on screen until the next animation image appears. If only one animation file is present, the image appears until a touchscreen key is pressed.
Fixed Prompt Text	If available, enter the text to show on the workstation's Fixed Prompt Text area. You can enter any value and it can include instructions such as <b>Tell our customers about happy hour</b> <b>pricing</b> or any message to aid operators. This field is translatable, allowing you to show different text based on the logged-in user's language.

5. Right-click the page area in which to define the function key, select **Insert Key**, and then select the appropriate insert option.

6. Configure the following settings on the Key tab:

#### Table 21-8 Touchscreen Design Key Settings

Field	Description
Legend	Enter a name for the function key that describes its function. Up to 16 alphanumeric characters are allowed. The name appear inside the key on the touchscreen. If left blank, the system automatically generates the name after a Key Number is selected.
Legend Size	Select the print size of the legend that appears for the function key.
Кеу Туре	Select a Key Type category to assign to the function key.

Field	Description
Key Number	Click the right arrow button adjacent to the field to open the Key Function Select dialog box, and then assign the function of this key.
	If you select any SIM Inquiry Key Type, a field becomes active for entering a numeric SIM# value.
Alpha	If you selected <b>Alphanumeric</b> as the <b>Key Type</b> , enter the alphanumeric character to insert when this function key is pressed.
Preset MLvI	If you selected <b>Menu Item</b> as the <b>Key Type</b> , select the main menu level that becomes active for the duration of this keystroke or select <b>0-None</b> to keep the levels the same.
	This field is set for preset Menu Item keys. For example, a Small Soda or a Large Soda—both of these items are Soda, but by using this field, you control the main level (and therefore, the size) of the item being ordered.
Preset SLvI	If you selected <b>Menu Item</b> as the <b>Key Type</b> , select the sub level that becomes active for the duration of this keystroke or select <b>0-None</b> to keep the levels the same.
	This field is set for preset Menu Item keys. For example, a Small Soda or a Large Soda—both of these items are Soda, but by using this field, you control the main level (and therefore, the size) of the item being ordered.
Color	Select the color combination to use for the key or select <b>0-No Color Defined</b> .
	When Workstation Themes are in use, the description of the color listed in EMC may not correspond to the colors that appear on the workstation.
(Optional) Icon	Select an icon for the function key.
Icon Location	If you assigned an icon, select the location of the icon on the function key.
Next Screen	Select the touchscreen that appears after the function key is pressed (or after the function assigned to the button is executed). If set to <b>0</b> -None, the operator remains on the current screen.
Media File	Enter the name of a media file, if any, to play or show when the button is pressed.
	You must manually place the media file in the workstation's Media directory or push it to the workstation through CAL.
	This field is translatable, allowing you to play different media files based on the logged-in user's language.

Field	Description
Full Screen Media	Select to play media files (if any) on the entire screen.
	Deselect to play media files within the bounds of the button.
Bitmap	Select a Bitmap to show on the function key. The drop-down list show all images that are saved in the Touchscreen Bitmaps EMC module.
Transparent Bitmap	Select to draw the touchscreen bitmap so that the background color of the function key shows through. Deselect to draw the function key normally.
	The purpose of this option is to let touchscreen bitmaps appear as though they are part of the button, instead of being displayed as an image on a function key.
Stretch to Fit	Select to stretch the bitmap image to fit the function key. Deselect to show the image in the center of the function key.

- 1. Repeat Steps 4 to 5 to add more function keys.
- 2. To delete function keys, select one or more function keys, right-click, and then select **Remove Key(s)**.
- 3. You can select multiple function keys by holding the Ctrl key while selection the function keys.
- 4. To copy function keys, select one or more function keys, and then press Ctrl+C or right-click and select **Copy**.
- 5. To paste the copied function keys, press Ctrl+V or right-click on an empty cell and then select **Paste**.
- If you use Ctrl+V, the keys paste onto the same rows and columns as the location of the copied keys. For example, if you copied the key in column 4, row 3, Control+V pastes this key onto column 4, row 3 of the new touchscreen.
- 7. If you use the right-click context menu, it pastes in the cell where you right-clicked when only one key is copied. When multiple keys are copied, they paste in the order they were copied, and in relative position to the copied keys. For example, assume that keys were copied in order from top to bottom: Vodka, Whiskey, Tequila, and Scotch. When you right-click and select Paste, the keys paste in top-to-bottom order: Vodka, Whiskey, Tequila, and Scotch.
- 8. To view the Context Sensitive Help (CSH) for a key, select the function key, rightclick, and then select **Show Help**. Help is only available for Function or Key Pad Type keys. Help is also available from the Function Key Selection dialog.
- 9. To select all the function keys programmed on the touchscreen, press Ctrtl+A. This key combination is useful when you want to copy or remove all the keys.
- 10. Click Save.

### **Configuring Touchscreen Styles**

A Touchscreen Style determines how function keys appear when a SLU key is pressed. Touchscreens are generally programmed using SLU functionality; because of Touchscreen Styles, SLUs are easier to maintain than placing touchscreen function keys directly on a screen. Touchscreen Styles control behavior such as the ability for items to appear:

- Alphabetically
- Using sort priorities
- Left-to-right or top-to-bottom
- 1. To configure the touchscreen style for workstations, select the revenue center, and then click **Touchscreen Styles** under the Workstations heading.
- 2. To configure the touchscreen style for Mobile MICROS devices, select the revenue center, and then click **Touchscreen Styles** under the Mobile MICROS heading.
- 3. Add a new record, and then double-click the record to open it.
- 4. Configure the following settings:

Field	Description
Name	Enter a name for this Touchscreen Style. Up to 16 characters are allowed.
Color Combination	Select the color of the touchscreen keys for this Touchscreen Style. This color combination can differ from the actual colors that are shown on the workstation if Workstation Themes are in use.
Function Key TS	Select the touchscreen to use for showing the SLU items in this style.
	Typically, a touchscreen is programmed with SLU keys grouped together, with a large empty space on screen. When a SLU is used, the empty space gets filled with the appropriate SLU items.
Icon Placement	If an icon is assigned to a key that shows on this SLU, select the location of the icon as it should appear on the touchscreen function key. If this value is set to <b>0-None</b> , icons do not appear.
Key Height	Enter the height of the function keys that appear in this Touchscreen Style. For workstations, enter a value between 1 through 6 for regular workstations. For Mobile MICROS devices, enter a

#### Table 21-9 Touchscreen Styles Settings

Field	Description
Key Width	Enter the width of the function keys that appear in this Touchscreen Style.
	For workstations, enter a value between 1 through 10 for regular workstations.
	For Mobile MICROS devices, enter a value between 1 through 8.
Font Size	Enter the size of the font (1 through 3) to use for the Touchscreen Style.

5. Select the appropriate options, and then click Save.

Table 21-10 Touchscreen Styles O
----------------------------------

Option	Description
1 - Sort Screen Alphabetically	Select to show item function keys in alphabetical order, by the descriptor entered in the Name field. Deselect to sort items by record number.
2 - Stay Down SLU Screen	Select to cause the touchscreen generated by this style to remain on screen after one of the items from the SLU is pressed. Deselect to cause the workstation to return to its previous screen after an item from the SLU is selected.
3 - Show Table/Group in Open Check SLU	Select to show the table and group number when a Guest Check SLU is generated by this style. Deselect to suppress the table and group number.
4 - Show Check # in Open Check SLU	Select to show the check number when a Guest Check SLU is generated by this style. Deselect to suppress the check number.
5 - Show Other Employee's Name in Open Check SLU	Select to show the check name of the other workstation operator to whom the check belongs, along with the check number, when a Check SLU is generated by this style.
	This option is usually enabled and it only applies when privileged operators such as managers (who are able to see other operators' checks) access the Pickup Check SLU.
6 - Show Open Time in Open Check SLU	Select to show the time the check was opened along with the check number, when a Check SLU is generated by this style.

Option	Description
7 - Show Amount Due in Open Check SLU	Select to show the amount due, along with the check number, when a Check SLU is generated by this style.
8 - Display Keys Vertically Starting at Top Left	Select to show SLU items in an up-and- down fashion. When selected, the first SLU item appears in the upper-left corner, and the next item below it, and so on. When there is no more room to place keys below, a new column is started to the right of the upper-left key. Deselect to use option <b>9</b> - <b>Display Keys Horizontally</b> <b>Starting at Top Left</b> setting.
9 - Display Keys Horizontally Starting at Top Left	Select to show SLU items in a side-to-side fashion. When selected, the first SLU item appears in the upper-left corner, and the next item its right, and so on. When there is no more room to place keys to the right, a new row is started below the upper-left key.
	This option only applies if option <b>8 -</b> Display Keys Vertically Starting at Top Left is deselected.
	If both this option and <b>8 - Display Keys</b> Vertically Starting at Top Left are deselected, keys appear on the screen in rows, centered.
10 – Sort Checks W/ Held Items in Inverse in Open Check SLU	Select to show all guest checks with menu items on hold in inverse color.
11 - Sort Screen Using Menu Item Sort Priorities	Select to show item function keys generated by this style in the order defined by the SLU Sort Priority of the Menu Item Definitions in the SLU.
	When selected, items sort by the SLU Sort Priority, then alphabetically or by record number within the Sort Priority, based on option <b>1 - Sort Screen Alphabetically.</b> Sort Priority sorts all Priority 1 definitions, then Priority 2, then Priority 3, up to Priority 99. Priority 0 items appear last.

### Configuring Function Keys for Keyboard Workstations

Keyboard Workstations have a preset number of keys, so it cannot dynamically generate screens or function keys. Keyboard Workstations are not intended to be used in environments that require hundreds of menu items. Therefore, function key configuration for Keyboard Workstations is slightly different. You can configure Keyboard Keys with three purposes:

- Unshifted Key function: This is the primary function of the key.
- **Shifted Key function:** This is the function of the key that is performed while the Shift key is being held down.
- **Alpha function:** This is the alphanumeric value of the key that is used when the workstation is expecting alphanumeric input.
- 1. Select the revenue center, and then click **Keyboard Design**.
- 2. Insert a new record, enter a name, and then double-click the record to open it.
- 3. Right-click the page area in which to define the function key, select **Insert Key**, and then select the appropriate insert option.
- 4. Configure the following settings on the Key tab:

Field	Description
Unshifted Key Type	Select a Key Type category to assign to the key. The list of categories is the same as the Key Type list for Touchscreen Keys, except the SLU categories are not available. See Touchscreen Key Types for more information.
Unshifted Key Number	Click the right arrow button to open the Key Function Select dialog, and assign a function for the key. If you select any SIM Inquiry Key Type, a field becomes active for entering a numeric SIM# value.
Shifted Key Type	Select the Key Type category to assign to this key. These are the same options available in <b>Unshifted</b> <b>Keys</b> , with the exception being that Shifted Keyboard Keys do not allow any of the SIM Inquiry key types.
Shifted Key Number	Click the right arrow button to open the Key Function Select dialog box.
Alpha	Enter the alphanumeric character to enter when this keyboard key is pressed.
Preset MLvI	If you selected <b>Menu Item</b> as the <b>Key Type</b> , select the main menu level that becomes active for the duration of this keystroke or select <b>0-None</b> to keep the levels the same.
	This field is set for preset Menu Item keys. For example, a Small Soda or a Large Soda—both of these items are Soda, but by using this field, you control the main level (and therefore, the size) of the item being ordered.

#### Table 21-11 Keyboard Design Key Settings

Preset SLvl If	If you selected <b>Menu Item</b> as the <b>Key Type</b> , select the sub level that becomes active for the duration of this keystroke or select <b>0-None</b> to keep the levels the same.
	This field is set for preset Menu Item keys. For example, a Small Soda or a Large Soda—both of these items are Soda, but by using this field, you control the main level (and therefore, the size) of the item being ordered.

- 5. Repeat Steps 3 to 4 to add more keys.
- 6. Click Save.

### Screen Look Up (SLU)

Screen Look Up, or SLU refers to a button programmed on a touchscreen. When an SLU key is pressed, the workstation looks up a list of items that correspond to the key, and shows them on the screen. For example, when an SLU button is pressed (Appetizers, for instance), the workstation shows all menu items belonging to that SLU group. Typically, menu item buttons are not added directly to touchscreens, but instead menu items are linked to an SLU group. By using SLUs you can control certain settings such as auto alphabetizing, color, and sorting.

Each revenue center has a fixed number of SLUs per SLU type. The following table lists the SLU types and the number of SLUs allowed.

SLU Type	No. of SLUs
Menu items	127
Condiments	64
Discounts	64
Service Charges	64
Tender/media	64
Menu item courses	32

#### Table 21-12 SLU Types

### Configuring Screen Look Ups for Menu Items

- 1. Select the revenue center, and then click RVC Descriptors.
- 2. Click the **Group Names** tab, and then enter names for menu item screen look up groups in the Menu Item SLU Names table.
- 3. Click Save.
- 4. Select the Enterprise, property, revenue center, or zone, and then click **Menu Item Maintenance**.
- 5. Double-click a menu item, and then click General tab.
- 6. Select the relevant SLU group from the Touchscreen Properties section.
- 7. (Optional) Enter a SLU Sort Priority for the menu item.
- 8. Repeat Steps 4 through 7 for all menu items to appear on screen look ups.
- 9. Click Save.

**10.** Add Menu Item SLU function keys to the touchscreen. See Adding Function Keys to Touchscreens for instructions.

### Configuring Screen Look Ups for Discounts

- 1. Select the property, and then click **Property Parameters**.
- 2. Click the Screen Look Up tab.
- 3. Enter names for discount screen look up groups in the Discounts table.
- 4. Click Save.
- 5. Select the property, and then click **Discounts**.
- 6. Double-click a record, and then click the NLU/SLU tab.
- 7. Select the relevant SLU group for the discount, and then click **Save**.
- 8. Repeat Steps 6 to 7 for all discounts to appear in screen look ups.
- **9.** Add Discount SLY function keys to the touchscreen. See Adding Function Keys to Touchscreens for instructions.

### Configuring Screen Look Ups for Service Charges

- 1. Select the property, and then click **Property Parameters**.
- 2. Click the Screen Look Up tab.
- 3. Enter names for service charge screen look up groups in the Service Charge table.
- 4. Click Save.
- 5. Select the property, and then click Service Charges.
- 6. Double-click a record, and then click the **NLU/SLU** tab.
- 7. Select the relevant **SLU** group for the service charge, and then click **Save**.
- 8. Repeat Steps 6 to 7 for all service charges to appear in screen look ups.
- **9.** Add Service Charge SLU function keys to the touchscreen. See Adding Function Keys to Touchscreens for instructions.

### Configuring Screen Look Ups for Tender/Media Records

- 1. Select the property, and then click Property Parameters.
- 2. Click the Screen Look Up tab.
- 3. Enter names for tender/media screen look up groups in the Tenders table.
- 4. Click Save.
- 5. Select the property, and then click Tender/Media.
- 6. Double-click a record.
- 7. From the **General** tab, select the relevant **SLU** group for the tender record, and then click **Save**.
- 8. Repeat Steps 6 to 7 for all tender/media records to appear in screen look ups.
- 9. Add Tender Media SLU function to the touchscreen. See Adding Function Keys to Touchscreens for instructions.

### Assigning a Touchscreen Style to SLUs

The Touchscreen Design dictates whether the SLU appears on the same touchscreen from which it was called or whether it appears on a different touchscreen. For instructions on how to create touchscreen styles, see Configuring Touchscreen Styles.

- 1. Select the revenue center, and then click **SLU Assignment**.
- 2. From the Select SLU pane, select the SLU type.
- **3.** From the Style column in the table, select the touchscreen style corresponding to the appropriate SLU names.
- 4. Click Save.

## 22 License Configuration

Beginning with Simphony First Edition version 1.7, you only have to configure the number of licenses that you have purchased for the following clients in the Licensing tab:

- Workstation clients
- Kitchen Display System (KDS) clients
- Transaction Services clients

# Benefits of the License Configuration Changes and the New Licensing Tab

- You no longer have to enter license keys in the EMC to activate features, and to add workstations, KDS, and Transaction Service Clients to Simphony First Edition.
- You no longer need to use the GetCode.exe utility nor the Licensing Keyless activator to obtain license keys for each new purchase.
- You can append new purchases to the existing license counts.
- The licenses you purchase do not expire.
- You can compare the number of licenses purchased with the number of clients configured side by side.
- You can see an overview of property, revenue center, workstation, KDS, and Transaction Services client configurations from the Enterprise Parameters module.

### **Configuring the Licensing Count**

- 1. Select the enterprise, and then select Enterprise Parameters.
- 2. Click the Licensing tab.
- 3. Click Configure adjacent to Workstations Client License Count.
- 4. To add a new license count, select Set new license count.
- 5. To append licenses to an existing license count, select Add to the existing license count.
- 6. Enter the number of client licenses you purchased.
- 7. (Optional) Enter additional details regarding the purchased license in **Reference**, and **then** click **OK**.
- 8. Repeat Steps 3 through 7 for Transaction Service Client License Count and KDS Client License Count, and then click Save.
- 9. Click **Yes** when prompted for confirmation.

### **Viewing Enterprise Information**

- 1. Select the enterprise, and then select Enterprise Parameters.
- 2. Click the Licensing tab.
- 3. Click View adjacent to the Properties, Revenue Centers, Workstations Client License Count, Transaction Services Clients, or the Kitchen Display System Clients label to see additional information.

## 23 Audit Trail

### Understanding the Audit Trail

You can use the Audit Trail module to view changes made to the Simphony First Edition application. The Audit Trail records and reports all additions, changes, and deletions made through the EMC and through PMC Procedures. Additionally, the Audit Trail reports on successful and failed logins to EMC, PMC Report takers, Key Manager Activity, Audit Trail purges, credit card module activities, and activities from the DbProcs utility.

### Oddities and Exceptions

- Trailing white space changes are difficult to determine as they would appear to be the same. Therefore, the New Value column in the Audit Trail results grid shows changes of this type by showing the new value followed by the value in quotes to show where the extra space characters exist. For example, if "Hot Dog" was changed to "Hot Dog "(space at the end), it appears as, Hot Dog ("Hot Dog ").
- The Old Value and New Value columns can hold only 2000 characters. If a value exceeds this length, only the first 1980 characters show. You must expand the row height to view the complete text.
- Changes made in the Property Merchant Groups module are treated as a singlerecord module (similar to RVC Parameters or Property Descriptors); all records for this module are logged without an Object Number.
- Other than the name, changes in the Selection Hierarchies module are not logged to Audit Trail.
- When a Descriptor is modified to use a logo, in Audit Trail this is represented using the special syntax ^^[pl3]where 3 represents the object number of the Print Logo.
- When a macro record is created, its 16 steps are not created. The first time a macro record is saved after its creation, Audit Trail displays each step being added.
- The configurable data for printers, credit card drivers and credit card merchant groups are displayed in EMC using standard controls that are found throughout EMC. However, these data are actually stored in the database in a single data column as an XML string (or a text string, for Printers). Therefore, changes in these modules show the Field as Configuration, and the Old/New values show the entire string value.
- When an Audit Trail report is taken, this activity is logged to Audit Trail. All Audit Trail Reports taken are logged as an Enterprise-level activity.

### Internationalization

Text is stored in the AUDIT\_TRAIL database table so that you view the text in your own language. For example, if a user from England changes Menu Item Class option bit #1 from ON to OFF, the data is stored in the table so that an Audit Trail report shows the name of the option bit in Japanese for an EMC user from Japan. The Audit Trail report translates the text key that is stored in the database at the time the Audit Trail report is generated, using the logged-in user's EmcText file.

The following table summarizes the methods for Audit Trail internationalization:

Audit Trail Columns	Description	Translatable?
Employee Application Module Operation	These fields are all stored as numbers in the database. When generating the report, the number is converted into the appropriate text.	Yes
Field	Shows the name of the field or option that was changed.	Yes
Sub Record Name	Shows the name of the sub record. See Sub Record Formatting for more information.	Yes
Sub Record Field	Shows the name of the field for the sub record. For example, a touchscreen function key legend or a KDS bump bar scan code value.	Yes
Old/New Value	Shows the old and new values of a changed record.	Sometimes, often, these fields are not translatable. For example, if a user changes a Menu Item Definition's SLU or name, Audit Trail determines the old/new values appropriately; there is no need for translation. Sometimes this field is translated when the change is made. For example, if a Discount's Menu Level #1 is changed from ON to OFF, the text ON and OFF comes from the EmcText file of the EMC handler.

#### Table 23-1 Audit Trail Internationalization

Audit Trail Columns	Description	Translatable?
Comments	Provides more information about the audit trail record. The data in this field is typically not used by EMC end-users.	No

### Sub Record Formatting

A sub record is any record that is added or removed from the primary records. For example, macro steps, touchscreen function keys, Menu Item Group detail rows, workstation devices. All sub record modifications are considered edits. For example, if a touchscreen function key is added to screen #10, this logs as an edit to screen #10.

The following table describes the information that shows in Audit Trail when a sub record is modified:

When a Sub Record is	The Audit Trail Shows
Added	• Field: Name and number of the sub record. For example, Key [30].
	• For most records, the index included in the brackets for a sub record represents a useful number. For example, Key [30] refers to the 30th key added to the screen.
	• Some records do not have useful indexing fields. For example, Menu Item Groups and CAL Package deployment rows do not have any type of object number that defines the order of the sub records. When these records log to audit trail, additions log as index [0]; deletions and edits are listed with the index of the database primary key for the sub record.
	• Old Value: (added)
	• <b>New Value</b> : A description of the sub record. For touchscreen keys this value shows as, for example, Function: 7-1, Legend: Cash. This denotes that a key that uses Tender #1 with the legend cash was added.
Edited	• <b>Field</b> : Name and number of the sub record, followed by the field that changed. For example, Key [30]: Legend.
	• <b>Old/New Value</b> : The old and new values of the field.

Table 23-2 Audit Trail of Sub Record Modifications

٠	Deleted	•	<b>Field</b> : Name and number of the sub record. For example, Key [30].
		•	<b>Old Value</b> : A description of the sub record. For touchscreen keys this value shows as, for example, Function: 7-1, Legend: Cash. This denotes that a key that uses Tender #1 with the legend cash was removed.
		•	New Value: (removed)

### Allowing Employees to Access the Audit Trail Module

- 1. Select the Enterprise level, and then click **Enterprise Roles**.
- 2. Double-click the enterprise role, and then click the Actions tab.
- 3. In the Enable column, select the check box adjacent to Enterprise Audit Trail User.
- 4. To allow employees associate with the role to manually remove old Audit Trail records from the database, select the check box adjacent to **Purge Audit Trail**.
- 5. Click Save.
- 6. Select the Enterprise level, and then click Roles.
- 7. Double-click the role type, and then click the Actions tab.
- 8. In the Enable column, select the check box adjacent to Access Property Audit Trail.
- 9. Click Save.

### Using the Audit Trail

- 1. Select the Enterprise or property, and then click Audit Trail.
- 2. To perform a quick search on the Search tab:
  - a. Select the timeframe from the All Changes In drop-down list.
  - b. Click the Run Quick Search button.

When you perform a quick search, the system ignores the values in the standard search fields.

**3.** To perform a standard search, enter or select information in the following fields, and then click the **Search** button.

Field	Description
Application	Select an application from the drop-down list.
	Depending on your selection, the <b>Module</b> drop-down list becomes active or dimmed. For example, when you select EMC, the Module drop-down list shows a list of all EMC modules.

#### **Table 23-3 Audit Trail Standard Search Fields**

Field	Description	
Module	Select a module from the drop-down list. This field becomes active only when the Application selection allows a choice of modules.	
	Depending on your selection, the <b>Object Numbers</b> field becomes active or dimmed. For example, when you select <b>EMC</b> from the <b>Application</b> drop-down list and <b>Discounts</b> from the <b>Module</b> drop-down list, the Object Numbers field becomes active.	
Object Number	Enter an object number or a range to retrieve results based on specific records only. Leave this field blank, to have the system include all object numbers in the search criteria.	
Operation	Select an operation from the drop-down list. This field becomes active based on the <b>Application</b> and <b>Module</b> selections.	
Property	Select a property from the drop-down list. This field becomes active only when Audit Trail is opened from the Enterprise level.	
Revenue Center	Click <b>Select</b> , select a revenue center, and then click <b>OK</b> .	
	This field becomes active only when a specific property is selected.	
Employee	Click <b>Select</b> , select an employee, and then click <b>OK</b> . When you select a specific employee, only changes made by that employee are included in the list.	
	Click <b>Me</b> to include only the logged-in employee.	
Date Range	Select a predefined date range to query the Audit Trail, or select <b>User-Defined</b> to enable the start and end fields.	
	<ul> <li>The predefined date ranges are:</li> </ul>	
	Last Hour	
	Last Two Hours	
	• Today	
	Last 24 Hours	
	Last 48 Hours	
	Last Week	
	Last Two Weeks	
Start	Select a start date and time. This field allows you to narrow a query to a specific date or date range.	
	Select All Dates to include all dates in the query.	
End	Select an end date and time. This field allows you to narrow a query to a specific date or date range. Select <b>All Dates</b> to include all dates in the query.	

Field	Description
Old/New Values	Enter text to use in the query.
	This fields are useful in finding a specific change to a record, such as "When was the item Hamburger renamed to Cheeseburger?"
Preserve Previous Results	Select this option to merge the search results with the previous search results, instead of overwriting them. Deselect this to include only the results of the most recent search.
	Text comparisons often take longer than comparisons that do not search text. While a search using these text fields may return the specific Audit Record you want, a search for the module of the item returns results more quickly.

- 4. If the number of results to be returned exceeds the pre-set thresholds for Audit Trail results (for example, 10,000 records or more), the application prompts you to confirm the action.
- 5. To view the search results, click the **Results** tab.
  - To save the results, click Save to Disk, select the directory, and then click Save. The default file name is AuditTrailResults.txt and the default directory is My Documents.
  - **b.** To copy the results into another application (such as Notepad or email) without storing the information, click **Formatted Results**, and then click **Copy**.
- 6. To manually remove old records from the Audit Trail table in the database, click the Purge tab. The Purge tab is visible only at the Enterprise level, and you must have the Purge Audit Trail privilege assigned to your Role.
- 7. Select the date before which to purge the records, and then click **Purge.** For example, if you select 9/1/2018, the application deletes all records from September 1, 2018 and earlier. Records are deleted based on the UTC date of the Audit Trail record. In addition to this manually initiated purge, the Data Transfer Service (DTS) purges Audit Trail records automatically.

### **Understanding Audit This Record**

In almost every module, you can audit an individual record or a group of similar records. The results usually show the record or records at a specific position. For example, a user:

- 1. Adds a Tender Media record at Object Number 1234.
- 2. Changes the record's name to Cash.
- 3. Deletes the record.
- 4. Adds a new record at Object Number 1234.
- 5. Changes the record's name to MasterCard.

After performing these steps, the Audit This Record results show all five of the changes (not just the changes for Steps 4 and 5). Although the first Tender Media record was deleted, it is considered "this record" for functional purposes. In short, all records at the same object number are treated as "this record" and are included in the results.

### Using Audit This Record

- 1. Select the Enterprise or property, and then open a module that contains at least one record.
- 2. To view audit trail details for all records in the module:
- 3. In Table View, click the object number cell of any record.
- 4. On the EMC toolbar, click **Edit**, and then select **Audit This Record**.
- 5. Click **Yes** when prompted to show audit trail information for all activities in the module.
- 6. To view audit trail details for specific records, select one or more records, right-click, and then select **Audit This Record**.
- 7. Alternatively, you can click Edit on the EMC toolbar, and then select Audit This Record.
- 8. To run specific queries on the selected record or records, click Show Advanced Options.
- **9.** The Advanced Search panel shows the same search parameters that are available in the Audit Trail module. See Using the Audit Trail for more information.
## 24 Reports

## **EMC Reports**

#### **Employee Permission Report**

The Employee Permissions Report (previously the Nevada Gaming Board

Report) shows employee configurations, employee roles, and employee classes within a specific property or for the enterprise.

The report contains the following sections:

Report Content: Lists the information included in the report.



#### Figure 24-1 Employee Permissions Report

• Report Configuration: Lists the properties included in the report.



Figure 24-2 Employee Permissions Report

• Employee Roles by Property: Lists each property and its associated employee roles.



Figure 24-3 Employee Roles by Property in the Employee Permissions Report

• Employee Roles: Lists all enterprise roles.





Employee Classes by Property: Lists each property and its associated employee classes.

1 - Shopping Mall East:
10 - Cashier
20 - Bertender
30 - Bartender
50 - Accounting
60 - Room Service
80 - FstTrans Cashier
90 - Manager
1
2 - Shopping Mall West:
10 - Cashier
20 - Server
30 - Bartender
50 - Accounting
60 - Room Service
80 - EstTrans Cashier
90 - Manager
30 - Hanager
L

Figure 24-5 Employee Classes by Property in the Employee Permissions Report

- Employee Configuration: Lists all employees with its assigned properties, roles, and classes. This section only includes employees visible to the account specified in the -UN parameter. You can configure:
  - Employee visibility using employee levels and employee groups
  - Employee ID visibility using the View Employee ID option for the employee role to which the specified account belongs

Emp	ID Number	First Name	Last Name	Level
1	686	Bob	Smith	1
1 - Shopp * 30 -	ing Mall East R Bartender	oles:		
1 - Shopp * 30 -	ing Mall East C Bartender	lass:		
4000	0	Mike	Rose	8
Enterpris * 1 -	e Roles: ALL ENTERPRISE :	ACCESS		
All Prope * 5 -	rty Roles: ALL PRIVILEGES			
1 - Shopp * 30 * 90 -	ing Mall East R Bartender Manager	oles: * 20 -	Server	
1 - Shopp * 30 -	ing Mall East C Bartender	lass:		
2 - Shopp	ing Mall West R	oles:		
* 90 -	Manager			

#### Figure 24-6 Employee Configuration in the Employee Permissions Report

 Role Options: Lists the options and permissions assigned to each role. The options list indicates whether each option has been set to ON or OFF, as shown in Example 1 below. The Employee Permissions Report lists the View, Edit, Add, and Delete status for each set of files in the EMC, as shown in Example 2.

** Example 2 ** View Edit Add Delete   File GLOBAL ACCESS   All Access PROPERTY FILES   Property Parameters I Install User Security Property Descriptors Currency Help Screens RVC Configuration Property Merchant Groups PROPERTY SALES FILES   Tax Table Tax Classes X X X X   Tender Media	ON ON ON OFF	ample 1 Checks a - Author - Author - Author - Author	** nd Recei ize/Perf ize/Perf ize/Perf ize/Perf	pts Option orm Printi orm Reprin orm Reprin orm Unlimi	s **** ng of Memo Checks ting of Memo Checks ting of Closed Checks ted Reprinting/Printing of a Check
** Example 2 ** View Edit Add Delete   File GLOBAL ACCESS   All Access PROPERTY FILES   Property Parameters I Install User Security Property Descriptors Currency Help Screens RVC Configuration Property Merchant Groups PROPERTY SALES FILES   Tax Table Tax Classes X X X X   Discounts Service Charges X X   Tender Media					
** Example 2 ** View Edit Add Delete   File GLOBAL ACCESS   All Access PROPERTY FILES   Property Parameters I Install User Security Property Descriptors Currency Help Screens RVC Configuration   Property Merchant Groups PROPERTY SALES FILES Tax Table Tax Classes X X X X I Discounts Service Charges X X I Tender Media					
<pre>** Example 2 ** View Edit Add Delete   File GLOBAL ACCESS</pre>					
GLOBAL ACCESS   All Access PROPERTY FILES   Property Parameters   Install User Security   Property Descriptors   Currency   Help Screens   RVC Configuration   Property Merchant Groups PROPERTY SALES FILES   Tax Table   Tax Classes X X X X   Discounts   Service Charges X X X   Tender Media	** Ex View	ample 2 Edit	** Add	Delete	File
Image: PROPERTY FILES       Image: Property Parameters         Imstall User Security       Imstall User Security         Imstall User Security       Property Descriptors         Imstall User Security       Property Merchant Groups         PROPERTY SALES FILES       Imstall Tax Table         Imstall Tax Table       Imstall Tax Classes         X       X       Discounts         X       X       Imstall Tax Classes         X       X       Imstall T	GLOBA	L ACCESS			
PROPERTY FILES   Property Parameters   Install User Security   Property Descriptors   Currency   Help Screens   RVC Configuration   Property Merchant Groups PROPERTY SALES FILES   Tax Table   Tax Classes   X X X X   Discounts   Service Charges   X X   Tender Media					All Access
PROPERTY SALES FILES   Tax Table   Tax Classes X X X X   Discounts   Service Charges X X   Tender Media	PROPE	RTY FILE	S		<pre>Property Parameters Install User Security Property Descriptors Currency Help Screens RVC Configuration Property Merchant Groups</pre>
Tax Table Tax Classes X X X X   Discounts   Service Charges X X   Tender Media	PROPE	RTY SALE	S FILES		
X X   Tender Media	x	x	x	x	Tax Table Tax Classes Discounts
	х	х			Tender Media

Figure 24-7 Role Options in the Employee Permissions Report

• Enterprise Role Information: Shows the permission status for each option configured for each enterprise role.

GLOBAL A X ENTERPRI X X X X X X X X X X	ICCESS X ISE X X X X X X	x x x	x ,	1	All Access
K ENTERPRI K K K K K	X ISE X X X X X	x x x	x	1	All Access
ENTERPRI K K K K K K	ISE X X X X X X	x x	x		
K K K K K	x x x x x	x x	x		
X X X X K	X X X X	x x	x		Enterprise Parameters
x x x x	X X X	x	<b>*</b> *	i.	Properties
x x x	x		x	i	Selection Hierarchies
x x	x	х	x	i.	Languages
х		x	x	i.	Print Logos
	х	х	х	i.	Touchscreen Bitmap
PERSONNE	ет.				
X	x	x	x	ı.	Employees
x	x	x	x	i.	Enterprise Roles
x	x	x	x	i.	Roles
HARDWARE					
4	x	x	x	L.	Service Hosts
	~	~	~	ί.	Services
k l	x	x	x	ί.	Interfaces
k	x	x	x	ί.	Credit Card Driver
k l	x	x	x	ί.	Credit Card Merchant Groups
-				i.	CAL Packages
				۰.	
AUTOSEQU	ENCE				
ĸ	x	х	х	L.	PC Autosequences
x	х	х	х	i -	PC Autosequence Schedules

### Figure 24-8 Enterprise Role Information in the Employee Permissions Report

• Employee Class Information: Lists each property, its associated employee classes, the status of each configured ISL option for each employee class, and the status of each operator option for the property.

1
PROPERTY: 1 - Shopping Mall East
10 - Cashier
OFF - ISL Employee Option #1
OFF - ISL Employee Option #2
OFF - ISL Employee Option #3
OFF - ISL Employee Option #4
OFF - ISL Employee Option #5
OFF - ISL Employee Option #6
OFF - ISL Employee Option #7
OFF - ISL Employee Option #8
Operator Options
1 - Restaurant
OFF = 1 = Table Number Entry Required to Begin/Pickup Checks
OFF = 2 = Number of Guests Entry Required for New Checks
OFF - 3 - Require Check Employee Number with New Checks
OFF - 4 - Use Employee Number to Open Check for Another Employee
ON - 5 - ON = On-Demand; OFF = By-Round
OFF - 6 - Special By-Round; "Temporary on Demand"
OFF - 7 - Cannot Perform Fast Transactions
OFF = 8 = Fopup Operator
OFF = 9 = Line by Line Clastomer Receipt
ON - 10 - Display Menu Item NLD Number
I ON = 12 = Dignlaw Contract Weln
ON = 12 = Display condiment help
1 OFF = 14 = Berguine Seat Number Entry
ON = 15 - If Standown Operator, Enable the Auto Popup Timeout
OFF = 16 = Regular Operation and the the Auto Popup Timeout
OFF = 17 = Mobile MICROS POPULATOR
ON = 18 = Display Menu Item NUI Number on MMH
OFF = 19 = DBCS Operator
OFF = 20 = Require Authorization for Cash Drawer Reconnection
OFF = 21 = Require Authorization for Power Cycle of UNS during Operations
off if hequite methorization for Power cycle of ows during operations
L

## Figure 24-9 Employee Class Information in the Employee Permissions Report

#### Generating the Employee Permission Report in Simphony First Edition version 1.7 and Later

- 1. Open a Command Prompt window as an administrator.
- 2. Navigate to [SimphonyInstallationpath]\etc\EmployeePermissionReport\
- 3. Enter the following command, and then press the Enter key:
- 4. EmployeePermissionReport.exe -UN=[EMC Username] -UP=[password] -S=[Transaction Server Name] -O=[Output Path and File Name] -P=[Comma Separated List of Properties] -L=[Language Object ID]
- 5. Use Windows Explorer and navigate to the location you specified as the output path for the report in the command to view the report.

#### Generating the Employee Permission Report in Simphony First Edition version 1.8 and Later

The Employee Permission Report is available in the Enterprise Management Console (EMC).

- 1. Select the Enterprise, and then click **Employee Permission Report** under Personnel.
- 2. Select the property for which to generate the report from the **Property List** dropdown list. Select **All** to generate the report for all the properties in the enterprise.
- 3. Select the information to include in the report, and then click **Run Report**.
  - **Report Configuration**: Select to show the properties included in the report.
  - Employee Role by Property: Select to show the employee roles in each property.
  - Enterprise Roles: Select to show all roles in the enterprise.
  - Employee Class by Property: Select to show the employee classes for each property.
  - **Employee Configuration**: Select to show the properties, roles, and classes assigned to each employee.
  - Role Options: Select to show the permissions assigned to each role.
  - Enterprise Role Information: Select to show the permission status for each option configured for each enterprise role.
  - Enterprise Class Information: Select to show employee class information.
- 4. To print the report, on the Employee Permission Report Output tab, click **Print Report**.
- 5. To save the report as a text file:
  - a. On the Employee Permission Report Output tab, click Save To Disk.
  - **b.** Enter the file name and browse to the location to save the file.

## Property Management Console (PMC) Reports

#### Employee Closed Check Report

The Employee Closed Check Report shows all checks that have been closed by an employee, including reopened checks that were closed again, and checks closed as memo checks. Additionally, special symbols on the report indicate whether the check was transferred, re-opened, split, or added.

You can filter the report by View, Employee, and Business Day. You can generate the report for a property, revenue center, prompt, or inherit.

	ED CHECK - Employee (	Closed Check	X
View	Cafe	Employee Closed Checks Rev Ctr Cafe Start Mar 3 2017 12:00PM End Mar 3 2017 5115PM Run	
Employee		CHK OPENED/CLOSED PAYMENT	
Business Dav	Today	90001 MICROS, MICROS	
Baamaaa Baaj		379 3/3/2017 2:42 PM 102.25 3/3/2017 2:43 PM 1 3/3/2017 2:43 PM 1	
		380 3/3/2017 2:45 PM 6.75 3/3/2017 2:45 PM 1 3/3/2017 2:45 PM 1	
		381 3/3/2017 2:46 PM 6.75 3/3/2017 2:46 PM 1 3/3/2017 2:46 PM 1	5
		382 3/3/2017 3:31 PM 4.50 3/3/2017 3:31 PM 1 3/3/2017 3:31 PM	
		383 3/3/2017 4:29 PM 0.00 3/3/2017 4:29 PM 0.C	en
		384 3/3/2017 4:29 PM 0.00 3/3/2017 4:30 PM 0 C	

Figure 24-10 Employee Closed Check Report

#### Employee Labor Detail Report

The Employee Labor Detail Report provides an account of work performed by each employee. The report shows the dates, times, and job rates of each clock-in and clock-out, the total hours of regular and overtime worked at each job code, and the gross pay earned.

You can filter the report by Employee or Period. The Begin Date and End Date fields become active when you select the Period as Enter Dates. You can generate the report for a property, prompt, or inherit.

EMP LABOR	DETAIL - Employee Labor	Detail	X
Employee	All	Employee Labor Detail Start Mar 3 2017 12:00PM End Mar 3 2017 5:19PM	Run
Period	Today	3 Peterson, Kim Server Cafe Business Date Mar 3 IN Mar 3 2017 3:30PM	Print
Begin Date End Date	3 / 3 /2017	No schedule = OUT Mar 3 2017 3:41PM No schedule Regular Hours 0.17 Overtime Hours 0.00	
		Business Date Mar 3 IN Mar 3 2017 3:41PM No schedule OUT Mar 3 2017 3:41PM No schedule Regular Hours 0.00 Overtime Hours 0.00	Printers
		Server TOTAL RATE HOURS PAY REG 2.00 0.17 0.34 OVT 3.00 0.00 0.00	Full Screen

#### Figure 24-11 Employee Labor Detail Report

#### **Employee Labor Summary Report**

The Employee Labor Summary Report shows a summary of the regular and overtime hours worked by each employee at each of their assigned pay rates.

You can filter the report by Employee or Period. The Begin Date and End Date fields become active when you select the Period as Enter Dates. You can generate the report for a property, prompt, or inherit.

EMP LABO	R SUM REP - E	mployee Labor S	Summary				)
Employee	All	0 St En	Employee Lab art Mar d Mar	or Summar 3 2017 12 3 2017 5	Y :00PM :19PM	^	Run
Period	Today		terson, Kim				
Begin Date	3 / 3 /2017	Se RE OV	RATE rver G 2.00 T 3.00	HOURS 0.17 0.00	PAY 0.34 0.00	=	Print
End Date	3 / 3 /2017	E M	PL REG PL OVT PL TTL	0.17 0.00 0.17	0.34 0.00 0.34		Printers
		==		0 17	0 34		
		AL	L OVT AND TTL	0.00	0.00		
		Of	fline Workstati	.ons			Full Scree
		Wo	rkstation	Offlin Days:Hou	e Time rs:Min		
		WI PC PC	N864 KIVI SAPI2 SAPI3	004: 084: 084:	004:48 001:16 005:12	v	

Figure 24-12 Employee Labor Summary Report

#### **Employee Journal Report**

The Employee Journal Report is a journal of all sales transactions by a specific employee shown in a check detail layout. The journal shows every check that was created by a specific employee within the selected parameters. The check detail shows items that were purchased, voided, and so on, by an employee. You can select a specific date or a date range to look at for a specific employee.

Journal reports are not available in the Oracle Hospitality Reporting and Analytics Cloud Service.

	NAL REPORT - Check Jour	nal	X
View	Cafe .	. Journal Report Rev Ctr Cafe Start 3/3/2017 12:00 AM End 3/3/2017 5:20 PM	Run
Check Number	]	TRN 16/0 MARO3 17 14:30 Cafe	-
Business Day	Today .	Application Restart           TBL 4/1         CHK 379         GST 5           90001         MICROS         90001           TRN 16/824         MAR03 17 14:42	Print
Time Span	3/3/2017 0:00 - NOW	Cafe Guest count has changed TBL 4/1 CHK 379 GST 5 90001 MICROS 90001 TRN 16/824 MAR03 17 14:43 Cafe	Printers
		18- GRANOLA 100.00 18- GRILLED HAM 2.25 Cash 102.25 Food Sales 102.25 Total Paid 102.25	Full Screen

Figure 24-13 Check Journal Report

#### **Employee Tip Report**

The Employee Tip Report summarizes the total tip activity by an employee. You can filter the report by View, Employee or Period. The Begin Date and End Date fields become active when you select the Period as Enter Dates. You can generate the report for a property, revenue center, prompt, or inherit.

#### Labor Availability Report

The Labor Availability Report gives a count of all employees clocked in, or on break at the time the report is taken. The report allows only a choice of View. You can generate the report for a property, a revenue center, prompt, or inherit.

LABOR AVA	ILABILITY - Labor Availa	bility	X
View	Cafe	Labor Availability Report RvCtr Cafe JOB IN BRK TOTAL	Run
		SUBTOTAL 1 0 1	
		Offline Workstations	Print
		Workstation Offline Time Days:Hours:Min	
		WIN864 KIVI 004:005:03 POSAPI2 084:001:31 POSAPI3 084:005:28	
		POSAPI4 128:001:22 POSAPI10 128:000:45	Printers
		USSA 119:004:06 1XWINDOWS7 001:002:50 POSAPI9 084:003:42	
		Tablet         086:022:49           POSREADY7         015:003:08           WINDOWS8 32         003:020:34	Full Screen

Figure 24-14 Labor Availability Report

#### **Financial Reports**

Financial Report refers to any report that shows totals and other information relating to finances. You can generate Financial Reports for a property, revenue center, employee or cashier. While the scope of the information is different (an RVC Financial Report shows totals for one revenue center, but an Employee Financial Report shows totals for only one employee), the layout and fields are similar for every type of Financial Report.

Simphony FE provides the following Financial Reports:

- System Financial Report: Shows sales and check information for a property, with a configurable tracking section.
- Revenue Center Financial Report: Shows sales and check information for a revenue center, with a configurable tracking section.
- Employee Financial Report (system/revenue center scope): Shows sales and check information for an employee, with a configurable tracking section.
- Cashier Financial Report (system/revenue center scope): Shows financial information for each cashier, including tenders and tips paid. No fixed report format, consists entirely of a configured tracking group.

- Serving Period Financial Report (revenue center scope): Shows financial reporting by serving period. May or may not be time controlled.
- Time Period Summary Report (revenue center scope, flexible report configuration): Shows each time period on a single line with sales information. Can have multiple time periods and they can overlap.
- Time Period Detail Report (revenue center scope): Shows each time period as a full report, with a similar format to a System Financial Report (sales, check profiles, tracking group). Can have multiple time periods and they can overlap.
- Income Audit Report (revenue center scope, flexible report configuration): A completely configurable report that can show serving period information by revenue center on a single report.

#### Menu Item Waste Reports

Menu Item Waste Reports provide an overview of discarded menu items resulting from spillage, spoilage, or compromised quality standards so that you can take action to reduce inventory loss in your revenue center. You can generate waste reports by revenue center, menu item, employee, and waste reason. Menu Item Waste Reports are accessible through both the workstation and online in Oracle Hospitality Reporting and Analytics Advanced.

If you installed Reporting and Analytics Advanced on a server separate from Simphony First Edition, the Menu Item Waste Reports do not copy to the reporting server when upgrading to Simphony First Edition version 1.8.

In order to use the Menu Item Waste Reports, after upgrading both the application and reporting servers to Simphony First Edition version 1..8, copy the following Menu Item Reports on the application server from

<Drive>:\Micros\Simphony\MyMicros\myInsight\org\10001\reports and move them to

<Drive>:\Micros\Simphony\MyMicros\myInsight\org\10001\reports on the reporting server:

- WasteEmployeeSummaryUWS.xml
- MMWasteDetailSummaryUWS.xml
- MMWasteEmployeeSummaryUWS.xml
- MMWasteMenuItemSummaryUWS.xml
- MMWasteReasonSummaryUWS.xml

#### Waste Detail Report

The Waste Detail Report shows in-depth information about wasted menu items grouped by the waste reason. Details include: the check number, employee associated with the waste check, list of menu items wasted, the corresponding waste quantity, and the total revenue lost.

View	All		Waste Detail Rep	ort	•		
	1		Jun 24 2015 10:2	6AM		Run	
	-		RVC: All Start Time: Jun 1 201	8 12:00AM			
Waste Reason	TAI	100	End Time: Jun 24 201	5 12:00AM			
			Food was cold Checks	Employee			
Period	Current Month		QTY Menu Item	Amount		Print	
			726 MICH	ROS, MICROS			
Begin Date	6/24/2015	*	725 HICE	ROS, HICROS			
and a second			733 HICE	ROS, HICROS		Printers	
F-1 F-1	6/24/2015	-	1 vd1P5	41.950000		Contraction of the	
End Date	1 oracio	1	Amounts	37.40			
			Foreign Object	25.02.0887		Constanting of	
			OTY Nenu Item	Amount		Full Screen	
			725 Å1	ex, kguilar			
			1 CARROT CAKE 654 A1	\$3.500000 ex, Aquilar	v		

Figure 24-15 Waste Detail Report

#### Waste Summary Report

The Waste Summary Report shows an overview of the menu items wasted and the corresponding waste quantity grouped by the waste reason. You can filter the report data by waste reason.



Figure 24-16 Waste Summary Report

#### Employee Waste Report

The Employee Waste Report shows a summary of the waste checks (waste reasons and the quantity of menu items wasted) created by each employee. If you filter by employee, this report shows a summary of the waste checks created by the selected employee.



Figure 24-17 Employee Waste Report

#### Menu Item Waste Report

The Menu Item Waste Report shows the waste reason and the quantity of menu items wasted grouped by menu item. At the end of the report, a summary of menu items wasted for each family group is shown. You can filter the report by family group.

y Group Al  Curver Munh Curver		Al		Menu Item Waste Report Jun 24 2015 10:10x8	^		
y Group Al				BWC1 A11		KUN	
Current Month	y Group	AI		Start Time: Jun 1 2015 12:00AM End Time: Jun 24 2015 12:00AM			
d Current March				FamilyScoup: 111	-		
Come (ACACO15 Took too long 1 Took too long 1 Laws 2 ACACO15 Took too long 1 Laws 2 ACACO15 Press, Colored 1 Protein Press, Colored 1 Protein Press, Colored 1 Protein Press, Colored 1 Press, Colored 1		Current Month	100	BRUSCHETTA		Print	
Dae V242015  tems:  tems: tem		Pearent manual	(199	Took too loor 1	-		
love 6442015		-					
Me 6042015 Control Control Co	Date	6/24/2015	1	1141071		the second s	
We 404/2019				Peason Quantity		Printers	
Items: 1 CHICKEN STRIPS Pax didn't libe 1 Items: 1 Chicken 1 Chicken 2 Chicken 2	ute	6/24/2015	-	Foreign Object 1			
CHARGEN STATA Reads And differ 1 like 1 Texasts 1 U				Items: 1			
Parado Quantity Parado Internet Internet Itema I				CHICKEN STRIPS		Full Screen	
Per dido t 1 Me Trees L				Reason Quantity			
Ttemer L 💌				Pax didn't like 1			
				Itens: 1			

Figure 24-18 Menu Item Waste Report

### Employee Check Journal Report

The Employee Check Journal Report distinguishes an employee's menu item waste checks using a Menu Item Waste Transaction banner.

Check Jourr	nal - Check Journal				
View	MICROS Cafe	CHK 283 90001 MICROS TRN 1/477 JUN18 15 MICROS Cafe	GST 0 90001 2:05PM	^	Run
Check Number		MENU ITEM WASTE TRANSACTI	ON		
Business Day	Today	eat in Took too long 90001 MICROS 1 CHIPS Foreign Object	1.95	-	Print
Time Span	6/18/2015 4:04 - NOW	1 COOKIE	0.95		
		2 Item(s)	2.90		Printers
		TBL 1/6 CHK 284 90001 MICROS TRN 1/478 JUN18 15 MICROS Cafe	GST 1 90001 2:05PM		
		eat in Guest count has changed TBL 1/6 CHK 284 90001 MICROS TRN 1/478 JUN18'15	GST 1 90001 2:05PM	v	Full Screen

Figure 24-19 Employee Check Journal Report

#### Configuring Menu Item Waste Reports

You need to configure Workstation Autosequences to run waste reports.

- 1. Select a property, and then select Workstation Autosequences (under Reporting).
- 2. Insert a new Autosequence record, enter a name, and then click OK.
- 3. Double-click the Autosequence record.
- 4. In the first row under the Step Type column, select 1 Report.
- 5. Click **Configure** from the next column. The Step 1: Report dialog box appears.
- 6. From the Report drop-down list, select the waste report, select other applicable options, and then click **OK**.
- 7. Click the Options tab, select the Privilege Group, and then click Save.

#### Configuring Menu Item Waste Report Privileges

To allow an employee to generate waste monitoring reports, you must grant privileges for employees to use Property Management Console (PMC) reports. The PMC is a module on the workstation that allows operators to run reports.

- 1. Select the enterprise, and then select **Roles**.
- 2. Click the **Operations** tab, and then click the **PMC General/Reports** subtab.
- 3. In the Autosequence Options section, select the privilege assigned to the privilege group that you set in the previous section, and then click **Save**.

#### Generating Waste Reports

You can generate Waste Reports from the workstation or by using Autosequence function keys (if configured).

- 1. Select the function for Reports, or click the appropriate Autosequence function key.
- 2. Select the revenue center (if prompted).
- 3. Select the report, and then click **OK**.

## **Reporting and Analytics**

#### Combo Items Summary Report

The Combo Items Summary report tracks combo meal transactions and the associated menu items. To add the report to the portal, see the instructions outlined in the *Oracle Hospitality Reporting and Analytics User Guide*, located at

http://docs.oracle.com/cd/E65545\_01/index.html.

		Co	mbo Ite	ems Surr	nmary				
	Net	% Net	Qty	% Qty	Sales as	s 🧠 Net	Qty as	Qty	% Qty as
<u>Menu Item</u>	<u>Sales</u>	<u>Sales</u>	<u>Sold</u>	<u>Sold</u>	<u>Combo</u>	<u>Sales</u>	<u>Combo</u>	<u>A La</u> <u>Carte</u>	<u>Combo</u>
TOTAL:	358,501	00.00%	601	00.00%	358.50	100.00%	60	0	100.00%
Cheeseburger/1	298.50	83.26%	30	50.00%	298.50	) 8.37%	30	0	100.00%
SM Fries/1	60.00	16.74%	30	50.00%	60.00	) 8.37%	30	0	100.00%
<u>Combo Item</u>	Combo	9/	Net	Comb	os Me	nu Items	% Items	G	% Combo
<u>Component</u>	Sales	5	<u>iales</u>	<u>Sc</u>	<u>ıld</u>	<u>Sold</u>	Sold	<u>Co</u>	mponent
TOTAL:	358.50	100.0	0%	3	30	60	100.00%		
Cheeseburger/1	358.50	100.	00%		30	60	100.00%		
Cheeseburger/1	60.00	16	.74%		0	30	50.00%		0.00%
SM Fries/1	298.50	83	.26%		30	30	50.00%		100.00%

#### Figure 24-20 Combo Items Summary Report

You can view additional combo meal information by running the Daily Operations Report. You can drill down for sales details and totals by clicking **Net Sales**, **Sales Mix Summary**, and then **Sales Mix by Item Group** (which drills down to the check detail level).

#### Employee Closed Check Report

You can run the Employee Closed Check Report per location and revenue center, as well as for a specific date or date range for any specific employee. The report lists each check closed by check number. This allows users at the enterprise level to see the report outside of the store.

Welcome	<b>*</b>								mym	aros net
MICROS Super Admin Micros December 2, 2009 Logout myPage CHARTS	Modify Report Business Dates Most Recent >> Run Report >> Ca Closed Checks Employ	Preferences	Favorite 🔁 🕸 🖹 s • Revenue Centers All • •	1						
REPORTS     Today's Operations     Employee Exception     Employee				Er	nployee Closed	Checks				
Productivity     Today's Ops (L&E)     Daily Operations     Daily Operations			<b>Scope</b> Property	<b>Sta</b> Dec	<b>rt Time</b> : 1 2009 3:00AM	End T Dec 2	ime 2009 3:00AN	4		
Property Financial     RVC Financial	1101		Server, Sally							
<ul> <li>Employee Financial</li> <li>Daily Ops (LES)</li> </ul>	Chk Table Revenue Cent	<mark>Grp Gsts</mark> er R	Opened estaurant	Prt	Subtotal	Tax Aut	o Svc Chg	Svc Charge	Payments	Total Due
<ul> <li>Tender Report</li> <li>More Reports</li> </ul>	1228 5	1 4	12/1/2009 10:25 AM 12/1/2009 10:25 AM 12/1/2009 10:25 AM	0	146.10	7.30	0.00	0.00	153.40	0.00
LINKS							Total		1	153 40
ADMIN							7008		1	100.10

Figure 24-21 Employee Closed Check Report

#### Employee Tip Report

You can run the Employee Tip Report per location and revenue center, as well as for a specific date or date range for any specific employee. This allows users at the enterprise level to see the report outside of the store.

Microlic Supervalues Normality       Microlic Supervalues Describer 2, 2009       Microlic Supervalues Describer 2, 2009       Microlic Supervalues Describer 2, 2009         0: Apperd Describer 2, 2009       Discriber 20 (Sale 2)       Discriber 20 (Sale 2)       Discriber 20 (Sale 2)         1: Microlic Supervalues Describer 2, 2009       Discriber 2, 2009       Discriber 2, 2009       Discriber 2, 2009         1: Microlic Supervalues Describer 2, 2009       Scope       Start Time       End Time         1: Microlic Supervalues Describer 2, 2009       Scope       Start Time       End Time         1: Microlic Supervalues Describer 2, 2009       Scope       Start Time       End Time         1: Microlic Supervalues Property       Nov 25 2009       Discriber 2, 2009       Discriber 2, 2009         1: Microlic Supervalues Property       Nov 25 2009       Discriber 2, 2009       Discriber 2, 2009         1: Microlic Supervalues Property       Nov 25 2009       Discriber 2, 2009       Discriber 2, 2009         1: Microlic Supervalues Property       Scope       Start Time       End Time         Property       Nov 25 2009       Discriber 2, 2009       Discriber 2, 2009         1: Microlic Time       Gross Receipts       0.00       Charged Tips       0.00         Datary Call (Line Supervalues       Discrelits       0.00       Tips	Welcome	÷.	Start Time         End Time           roperty         Nov 25 2009 3:00AM           Dec 2 2009 3:00AM         Dec 2 2009 3:00AM           Server, Sally         146.10         Cash Tips         0.00           0.00         Charged Tips         0.00         Tips Paid         0.00			
Normal December 22,2009         Usuarises Data: • Usuarises Data: • Usuarises Data: • Usuarises Data: • Production • Production	MICROS Super Admin	Modify Report Preferences Favorite	🔁 🐿 🖬		port           End Time           Dec 2 2009 3:00AM           ash Tips         0.00           harged Tips         0.00           otal Tips         0.00           otal Tips         0.00           otal Tips         0.00	
Clubic     Clubic     A III       Clubic     > Removed Excludion       Production     > Removed Excludion       Clubic     Server, Sally       Gross Receipts     146.10       Charged Receipts     0.00       Charged Receipts     0.00       Charged Receipts     0.00       Service Charge     0.00       Tips Paid     0.00	Micros	Business Dates     Locations	Revenue Centers			
>> Pun Report >> Cancel     /mouse To Lat > Cancel     /mouse To Lat	e Loopud	Financial Period to M All M Al	M			
CINATES       *Employee To Report       Employee Tip Report       Property Innocal     Orgons Receipts     146.10     Cash Tips     0.00       Charged Receipts     0.00       Tips Paid       Tips Paid	myPage	>> Run Report >> Cancel				)
BEPORTS         Totality's Operations       Employee Expansion         Employee Expansion       Employee Tip Report         Employee Transion       End Time       End Time         Dady Operations       Property       Nov 25 2009 3:00AM       Dec 2 2009 3:00AM         Dady Operations       Property       Nov 25 2009 3:00AM       Dec 2 2009 3:00AM         Dady Operations       Property       Nov 25 2009 3:00AM       Dec 2 2009 3:00AM         Property Francial       Gross Receipts       146.10       Cash Tips       0.00         Dady Operations       Charged Receipts       0.00       Charged Tips       0.00         Tomber Report       Service Charge       0.00       Charged Tips       0.00         KMR       Employee Transit       Den Cash Tips       0.00         Tomber Report       Envice Charge       0.00       Charged Tips       0.00         KMR       Envice Charge       0.00       Total Tips       0.00       Tops Paid       0.00         KMR       Attime       Envice Charge       O.00       Tips Paid       O.00       Tips Paid	CHARTS	Employee Tip List Employee Tip Report				
• Today's Operations       Employee Excepted         • Employee Excepted       Finance         • Today's Operations       Scope       Start Time         • Today's Operations       Property       Nov 25 2009 3:00AM       Dec 2 2009 3:00AM         • Daby Operations       Property       Nov 25 2009 3:00AM       Dec 2 2009 3:00AM         • Property Financial       Property Rancial       Dec 2 2009 3:00AM       Dec 2 2009 3:00AM         • RVC Financial       Oross Receipts       146.10       Cash Tips       0.00         • Ender Report       Charged Receipts       0.00       Charged Tips       0.00         • Ender Report       Service Charge       0.00       Tips Paid       0.00	REPORTS					
Employee Trip Report       Employiee Trip Report       Data (SR)       Property       Nov 25 2009 3:00AM       Dec 2 2009 3:00AM       <	Today's Operations		-			
Employee     Scope     Start Time     End Time       Product/NP     Property     Nov 25 2009 3:00AM     Dec 2 2009 3:00AM       Daty Ops (LSE)     Property     Nov 25 2009 3:00AM     Dec 2 2009 3:00AM       Daty Ops (LSE)     1101     Server, Sally       RNC/ francel     Gross Receipts     146.10     Cash Tips     0.00       Daty Ops (LSE)     Charged Receipts     0.00     Charged Tips     0.00       Toter Report     Service Charge     0.00     Total Tips     0.00       KMKS     Lifts     Dec 2 District Tips     0.00	Employee Exception		Er	nployee Tip Repo	ort	
Productivity Totaxiya (Spratiana Daby Operationa Daby Operationa Daby Operationa Daby Operationa Daby Operationa Daby Operationa Daby Operationa Property Property Nov 25 2009 3:00AM     End Time Dec 2 2009 3:00AM       Daby Operationa Daby Operationa Property Nov 25 2009 3:00AM       Property	Employee					
Oracle Constraint     Scope     Start lime     End lime       Day Operations     Property     Nov 25 2009 3:00AM     Dec 2 2009 3:00AM       Day Operations     Property Rencal     1101     Server, Sally       Procenty Financial     Gross Receipts     146.10     Cash Tips     0.00       Day Operations     Gross Receipts     0.00     Totarged Tips     0.00       Timder Reports     Service Charge     0.00     Totarged Tips     0.00       Timder Reports     Tips Paid     0.00     Total Tips     0.00	Productivity	Essan	Start	Time	End Time	
Daty Oper (LBL)     Property     Hot II 2009 5.0004     Desc II 2009 5.0004       Property Rencal     1101     Server, Sally       RWC financal     Gross Receipts     146.10     Cash Tips     0.00       Daty Oper (LBL)     Gross Receipts     0.00     Charged Tips     0.00       O Daty Oper (LBL)     Charged Receipts     0.00     Total Tips     0.00       More Report     Service Charge     0.00     Total Tips     0.00	<ul> <li>Daily Operations</li> </ul>	Property	Nov 2	5 2009 3:00AM	Dec 2 2009 3:000M	
Proceny Financial     1101     Server, Sally       RVC financial     Gross Receipts     146.10     Cash Tips     0.00       Daty Osy (LES)     Charged Receipts     0.00     Charged Tips     0.00       Tenders Report     Service Charge     0.00     Total Tips     0.00       Itins     Tips Paid     0.00     Total Tips     0.00	<ul> <li>Daily Ops (L&amp;E)</li> </ul>	Propercy	100 2	5 2009 5.00AM	Dec 2 2009 5.00AM	
RVC Prancal     Gross Receipts     146.10     Cash Tips     0.00       Daby Ope (LB)     Charged Receipts     0.00     Totarged Tips     0.00       Timder Reports     Service Charge     0.00     Total Tips     0.00       More Reports     Tips Paid     0.00	Property Financial	1101	Server Sally			
Embyore Francial     Gross Receipts     Gross     Gross Receipts     Gross	RVC Financial	1101	Server, Sarry			
O Bul yops (LES)     Charged Receipts     0.00     Charged Tips     0.00       • Tender Reports     Service Charge     0.00     Total Tips     0.00       • More Reports     Tips Paid     0.00	Employee Financial	Gross Receipts	14	6.10 Cas	h Tips	0.00
Tender Report     Service Charge     0.00     Total Tips     0.00     Tips Paid     0.00     Tips Paid     0.00     Tips Paid	<ul> <li>Daily Ops (LES)</li> </ul>	Charged Receipts		0.00 Cha	rged Tips	0.00
More Reports.     Tips Paid 0.00	Tender Report	Service Charge		0.00 Tota	al Tips	0.00
LARKS	More Reports			Tips	Paid	0.00
AOMM						
AUMM	LINKS					
	ADMIN					

#### Figure 24-22 Employee Tip Report

#### Waste Reports

Drill down into Waste Report to view the Quick Count Item Variance Report, Consolidated Menu Item Waste Detail by Employee Report, Consolidated Menu Item Waste by Menu Item Report, and the Consolidated Menu Item Waste Reason by Employee Report. To add the report to the portal, see the Oracle Hospitality Reporting and Analytics User Guide, located at

http://docs.oracle.com/cd/E65545\_01/index.html.

#### Quick Count Item Variance Report

The Quick Count Item Variance Report shows a comparison between the actual inventory usage and theoretical inventory usage for the time frame that you select.

Period	From: 06/05/2015	To:06/05/201	5		Printe	Bruno The June 10, 2015	Manage - 2:45 A	
	Ingredient Name	Beginning Inventory	Delivery	Waste	Usage T	heoretical inventory	Actual inventory	Variance
Friday Period 1	06/05/2015							
	Chicken	0.00	0.00	0.00		0.00	0.00	20.00
	Ground Beef	0.00	0.00	0.00		0.00	0.00	30.00
Period 2								
	Cheese	0.00	5.00	1.00	2	2.00	1.00	-1.00
	Chicken	20.00	10.00	2.00	2	26.00	15.00	-11.00
	Ground Beef	30.00	12.00	3.00	2	37.00	28.00	-9.00
Period 3								
	Cheese	1.00	0.00	0.00		1.00	1.00	0.0
	Chicken	15.00	0.00	0.00		15.00	11.00	-4.0
	Ground Beef	28.00	0.00	0.00		28.00	29.00	1.0
	Salmon	0.00	4.00	2.00	2	0.00	0.00	0.0
Period 4								
	Cheese	1.00	3.00	1.00	2	1.00	4.00	3.0
	Chicken	11.00	4.00	3.00	2	10.00	5.00	-5.00
	Ground Beef	29.00	5.00	2.00	2	30.00	5.00	-25.0
	Salmon	0.00	7.00	1.00	2	4.00	66.00	62.0

#### Figure 24-23 Quick Count Item Variance Report

#### Consolidated Menu Item Waste Detail by Employee Report

The Consolidated Menu Item Waste Detail by Employee Report shows the amount and cost associated with wasted menu items for the time frame that you select grouped by revenue center and employee. The results are presented as a percentage of the totals for each revenue center.

6/01/2015	To:06/26/2015	Dri			Bruno The						
		PII	Bruno The Mar Printed on Sunday, June 28, 2015 - 12:(								
	Menu Level	Quantity	Amount	% of Ttl	Cost	% of Ttl					
ohn											
Crab Cakes	Reg.	1	6.95	21.58%	0.00	0.00%					
Chicken Tenders	Reg.	1	5.50	17.08%	0.00	0.00%					
Forn & Buff Mozz	Reg.	1	6.75	20.96%	0.00	0.00%					
Onion Soup	Reg.	1	5.00	15.53%	0.00	0.00%					
Gazpacho	Reg.	1	4.00	12.42%	0.00	0.00%					
Tira Misu	Reg.	1	4.00	12.42%	0.00	0.00%					
		6	32.20	100.00%	0.00	0.00%					
	Restaurant Total	6	32.20	100.00%	0.00	0.00%					
	Report Total	6	32.20		0.00						
	ohn Crab Cakes Chicken Tenders Tom & Buff Mozz Onion Soup Sazpacho Fira Misu	shn Srab Cakes Reg. Chicken Tenders Reg. Chicken Tenders Reg. Drion Soup Reg. Sazpacho Reg. Tira Misu Reg. Restaurant Total Report Total	shn     control       Crab Cakes     Reg.     1       Chicken Tenders     Reg.     1       Com & Buff Mozz     Reg.     1       Drion Soup     Reg.     1       Jazpacho     Reg.     1       Tira Misu     Reg.     1       Restaurant Total     6	Share         Control         Control <thcontrol< th=""> <thcontrol< th=""> <thcon< td=""><td>Shin         Control         C</td><td>Sha         Control         Amount         Amount</td></thcon<></thcontrol<></thcontrol<>	Shin         Control         C	Sha         Control         Amount         Amount					



#### Consolidated Menu Item Waste Detail by Menu Item Report

The Consolidated Menu Item Waste Detail by Menu Item Report shows the amount and cost associated with wasted menu items for the time frame that you select grouped by revenue center and menu item. The results are presented as a percentage of the totals for each revenue center.

	Consolida	ated Menu Item \	Vaste D	)etail b	y Menu I	tem	
Period From :	06/01/2015	MICROS Syste	m - Bari	& Grill Printe	d on Sunday.	Bruno Ti June 28, 20	he Manager 15 - 1:00PM
		Menu Level	Quantity	Amount	% of Ttl	Cost	% of Ttl
1 - Restaurant							
101002	Crab Cakes	Reg.	1	6.95	21.58%	0.00	0.00%
101005	Chicken Tenders	Reg.	1	5.50	17.08%	0.00	0.00%
101006	Tom & Buff Mozz	Reg.	1	6.75	20.96%	0.00	0.00%
101103	Onion Soup	Reg.	1	5.00	15.53%	0.00	0.00%
101106	Gazpacho	Reg.	1	4.00	12.42%	0.00	0.00%
106004	Tira Misu	Reg.	1	4.00	12.42%	0.00	0.00%
		Restaurant Total	6	32.20	100.00%	0.00	0.00%
		Report Total	6	32.20		0.00	

Figure 24-25 Consolidated Menu Item Waste Detail by Menu Item Report

# Consolidated Menu Item Waste Reason by Employee Report

The Consolidated Menu Item Waste Reason by Employee Report shows a detailed summary of the waste checks created by each employee grouped by the waste reason.

		MICROS S	ystem - E	Bar & Gr	ill						
iod from :	06/01/2015	To : 06/26/2015	Bruno The Mana Printed on Sunday, June 28, 2015 - 12:00								
eren i		Menu Level	Quantity	Amount	% of Ttl	Cost	% of				
lestaurant											
1 - Krame	r, Phil										
101002	Crab Cakes	Reg.	1	6.95	21.58%	0.00	0.00				
101005	Chicken Tenders	Reg.	1	5.50	17.08%	0.00	0.00				
101006	Tom & Buff Mozz	Reg.	1	6.75	20.96%	0.00	0.00				
101103	Onion Soup	Reg.	1	5.00	15.53%	0.00	0.00				
101106	Gazpacho	Reg.	1	4.00	12.42%	0.00	0.00				
106004	Tira Misu	Reg.	1	4.00	12.42%	0.00	0.00				
			6	32.20	100.00%	0.00	0.00				
		Restaurant Total	6	32.20	100.00%	0.00	0.00				
		Report Tota	6	32.20		0.00					

Figure 24-26 Consolidated Menu Item Waste Reason by Employee Report

# Consolidated Menu Item Waste Reason by Menu Item Report

The Consolidated Menu Item Waste Reason by Menu Item Report shows a detailed summary of wasted menu items groups by the waste reason.

Consolidated Menu Item Waste Reason by Menu Item MICROS Cafe - MICROS Cafe										
Period from :	06/01/2015	To:06/26/2015	Pri	nted on S	unday, June	Bruno The 28, 2015 -	e Manager · 12:00 AM			
gupones en en esta		Menu Level	Quantity	Amount	% of Ttl	Cost	% of Ttl			
Guest Chg'd Mi	nd									
4006	Grill Chkn Sand	Reg.	1	5.25	22.15%	0.00	0.00%			
90601	French Fries	Reg.	1	0.00	0.00%	0.00	0.00%			
Guest Didn't Lil	ce									
2004	Lobster Bisque	Reg.	1	5.25	22.15%	0.00	0.00%			
3002	Fruit Salad	Reg.	1	7.95	33.54%	0.00	0.00%			
Foreign Object										
3001	House Salad	Req.	1	5.25	22.15%	0.00	0.00%			
90901	Italian	Reg.	1	0.00	0.00%	0.00	0.00%			
		Quick Service Total	6	23.70	100.00%	0.00	0.00%			
3		Report Total	6	23.70		0.00				

Figure 24-27 Consolidated Menu Item Waste Reason by Menu Item Report

Г

## 25 Service Host

## Service Host Status Module

The Service Host Status page displays information related to each service host in the enterprise. Some columns display data that is in the database and others display interactive information received from a web service request to the service host.

To access the Service Host Status module at the Enterprise level, navigate to the **Hardware** section, and click **Service Host Status**.

Users can view the service host status and the logs in the Service Host Status module.

	- Name	Host Name	URL	Interface Services	CC Services	SIM Services	KDS Services	CAL Prop Svr	Otc Prop Svr	Olc Prop Svr	Last Live Status Update Time	Since Last Update	Version	
153	and provide	-	the set of the principal of	0	0	0	0	0	1	0	1			Fil
153	(management)	10.000	NUMBER OF TAXABLE PARTY.	0	0	0	0	0	0	1				E
158	-	10.0010.00	Married Roll And Address of the	1	0	0	0	0	0	0	2/13/2020 9:57:25 AM	0:00:39	1.8.0	Fil
166	10000-000	on growing	No. of Concession, Name of Concession, Name	0	0	0	1	0	0	0	2/13/2020 9:56:54 AM	0.01:10	1.8.0	Fil
196	-		No. COMPANY AND ADDRESS	1	0	1	0	0	0	0				Fi
257	1000	10.0100.00	NUMBER OF STREET, ST.	1	1	0	0	0	0	0	2/13/2020 9:57:32 AM	0.00:32	1.8.0	Fil
259	100011-000	THE REPORT OF	REPORT OF BUILDING	1	0	0	0	0	0	0			0	E
272	15, 1 1	10.000	No. of Lot of Lo	0	1	0	0	0	0	0	2/13/2020 9:57:30 AM	0:00:34	1.8.0	Fi
276	De la P	10.0100.0	Mary S. & State Managements	0	0	0	1	0	0	0	2/13/2020 9:57:24 AM	0:00:40	1.8.0	E
618	- Carlos	100000000	the state of the s	0	0	0	1	0	0	0	2/13/2020 9:57:28 AM	0.00.36	1.8.0	Fi

Enable 30 seconds

#### Figure 25-1 Service Host Status

The following columns display on this page:

- # object number of the workstation.
- Name the name of the workstation.
- Host Name the host name (or IP address) of the Service Host.
- URL the URL of the Service Host.
- Interface Services the number of Interface Services that are setup with the Service Host.
- CC (Credit Card) Services the number of Credit Card Services that are setup with the Service Host.
- SIM (Simphony Interface Module) Services the number of SIM Services that are setup with the Service Host.
- KDS (Kitchen Display System) Services the number of KDS Services that are setup with the Service Host.

- CAL (Client Application Loader) Prop Svr the number of CAL Property Servers that are setup with the Service Host.
- **OTC (Offline Transaction Cache) Prop Svr** the number of OTC Property Servers that are setup with the Service Host.
- OLC (Offline Labor Cache) Prop Svr the number of OLC Property Servers that are setup with the Service Host.
- Last Live Status Update Time displays the last time that a workstation's live status information was written to the database. This column populates with data only when Live Status is enabled.
- Since Last Update displays the elapsed time it takes between the Last Live Status Update Time and the current date and time.

**NOTE:** This value does not update in real-time, rather it updates based on the configuration of the **EMC Refresh Interval** setting.

The content in this column is color-coded. The colors signify:

**Green** – indicates that the elapsed time between the Last Live Status Update time and the current time is less than three minutes.

**Yellow** – indicates that the elapsed time between the Last Live Status Update time and the current time ranges between three to five minutes.

**Red** – indicates that the elapsed time between the Last Live Status Update time and the current time exceeds five minutes.

- Home Page / Service Host Status ... Clear Filters Show Pords Where Show All Records contains the text Ŧ Filter Now \_ 🗆 🗙 Since Last Update Name Host Nam 257 **H** ~ Version Nat File Size Last Write Time Creation Tim Statu 153 10.00 158 166 8.0 .... DB 00:48 .8.0 EG ateway.asmx 104 1/22/2020 7:15:47 PM 2/10/2017 9:59:55 PM Data not Uploaded 196 Egateway.Policy EGatewayLog 8874 1/22/2020 7:15:47 PM 2/10/2017 9:59:55 PM Data not Uploade 257 10.000 1.8.0 259 Global asas 95 1/22/2020 7:15:47 PM 2/10/2017 9:59:55 PM Data not Uploaded 272 276 1.000 00.11 1.8.0 .... secData bi 618 17189 2/12/2020 2:36:26 PM 11/14/2019 9:00:58 PM Data not Uploaded SimphonyFE.htm 30353 1/22/2020 7:15:47 PM 1/9/2019 8:43:14 PM Data not Uploaded 8390 11/14/2019 9:00:58 PM Data not Uploade Start0therVCRun 86 1/22/2020 7:15:22 PM 2/10/2017 9:59:47 PM Data not Uploaded StopOtherVCRuntimeUsers.ba 40 1/22/2020 7:15:22 PM 2/10/2017 9:59:47 PM Data not Uploaded 9470 1/22/2020 7:16:12 PM 2/10/2017 9:59:55 PM Data not Uploade /eb.Config × View Close Upload Save -Live Statu 🔽 Enable 30 seconds ٠
- Version displays the version of Simphony First Edition.

Figure 25-2 Files Link and Pop Up Window

The final column displays the file details for the selected workstation. Click **Files** to open the pop up window to view this information. This information consists of remote files within the service host, listed in the pop up window by Name, File Size, Last Write Time, Creation Time, and Status.

Accessing the file list and viewing the files in the Service Host Status module is identical to accessing the file list and viewing the files in the Workstation Status Control module. The difference between the two paths is that within the Service Host Status module, the link to access the files does not require a user to narrow down into the workstation view, and the URL link is disabled.