Oracle® MICROS Simphony
Release Notes

Release 19.1

F15051-16

February 2022

ORACLE®

Oracle MICROS Simphony Release Notes, Release 19.1

F15051-16

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Preface

Oracle MICROS Simphony is a cloud-based Point-of-Sale (POS) solution that provides business management capabilities using a single tool with vast integration capabilities to property management systems, paperless kitchen display systems, credit card interfaces, and reporting applications.

Purpose

These Release Notes provide a brief overview of additions, enhancements, and corrections implemented in this software release. Their intent is informative, not instructional. Review Simphony's product documentation, including technical and application advisories for previous versions, for detailed information on installation, upgrade, configuration, and general use.

Audience

This document is intended for all users of Oracle MICROS Simphony release 19.1.

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
- Screen shots of each step you take

Documentation

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

Revision History

Date	Description of Change
January 2020	Initial publication.
February 2020	Updated the list of resolved issues.

Date	Description of Change
March 2020	• Added the CAL topic to the Features and Updates section. • Updated the Features and Updates section (Database topic).
May 2020	• Updated the Features and Updates section (Gift and Loyalty and Stored Value Cards topic). • Updated the Known Issues section. Updated the following topics in the Features and Updates section for Simphony 19.1.2. • CAL • Payments • SWP
June 2020	Updated the Known Issues section. Updated Features and Updates: EMC topic for Simphony 19.1.2.
July 2020	Removed content from *System Requirements, Supported Systems, and Compatibility* and replaced it with a reference to the *Oracle Food and Beverage Compatibility Matrix*.
November 2020	Updated Features and Updates: Reporting and Analytics topic for Simphony 19.1.2.
December 2020	Added the Translations chapter.
March 2021	Removed unneeded content from entry in *Operations on the POS Workstation*.
February 2022	Updated the Known Issues section.

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Features and Updates

This chapter describes the features and updates contained in this release.

Client Application Loader (CAL)

The *Oracle MICROS Simphony Client Deployment Guide* contains more information about CAL.

Enhanced CAL Deployment Order

The CAL package deployment order of the start database has been optimized to change the order. The database is now provisioned with a best practices order of the CAL packages. The core package deployment order is read-only and cannot be modified. New custom packages must have a number of 1000 or higher.

CAL Restructuring Enhancement

Starting with Simphony release 19.1.2, the ServiceHostPrereq package is obsolete and has been removed from the Simphony release 19.1.2 ISO.

Simphony client files and third party prerequisites are now transferred in a separate package named Service Host Download. This lets you schedule the file transfers separately from the installation. The Simphony release 19.1.2 CAL packages are:

- Service Host Download
- Service Host
- CAPSOnIIS
- CAL Version Fixer
- CAL Client
- Simphony KDS Client (WinCE)
- WS KDS Display (Win32)
- PosToKdsHandler
- Media Viewer
- Device Information

CAL File Transfer Regulation

The transfer of CAL files is regulated (throttled) to prevent the amount of data that is allowed to saturate the network.

CAL clients attempt to transfer files from the Simphony application server as quickly as possible. Files are transferred from the application server in blocks and these blocks are assembled into a complete file at the client site.

Installation Performance Enhancements

The CAL installation process has been enhanced. The POS client device no longer restarts multiple times during CAL installation and upgrades. Only the necessary files are transferred.

Service Host Download Package

The new Service Host Download package in Simphony release 19.1.2 combines file transfers from the following legacy packages:

- Service Host Prereq
- Service Host
- Biometrics (when not already installed)
- Language Translation

All third party files are transferred to the %AppRoot%\Micros\Simphony\Prereq folder on the client.

Simphony client files are transferred and stored under the %AppRoot% \Micros\Simphony\Download folder on the client.

Third party dependencies, ServiceHost, and language translations are installed using this single package to minimize restarts.

After updating to CAL 146, a CAL client progress dialog is hidden during upgrades and remains visible during new installations.

Service Host Package

The Service Host package has been modified to include all installation steps from the following existing packages:

- Service Host Prereq
- Biometrics
- Language Translation

This package fails if the Service Host Download package is not deployed first.

CAL Package Install Status UI Changes

The CAL Packages Install Status tab has changed. You can see the Simphony client installation status showing started, successful, failed, and outstanding client updates.

In the left pane, in addition to the CAL Package View, there is a new Enterprise View, which shows a hierarchy view. You can switch between CAL Package View and Enterprise View.

The Enterprise View lists the Enterprise, properties, workstations, KDS displays, and enterprise Service Hosts associated with a property. An enterprise Service Host in a property is indicated with the Object Number showing as 0 (zero).

The Enterprise View shows the following installation status icons for each property (including status for workstations, KDS displays, and Enterprise Service Hosts):

- On Latest Version (green circle with checkmark)
- Needs Attention (red triangle with exclamation point)
- Needs Update (yellow cycle with arrows)

Chapter 1
Cash Management

- ◯ Not Installed (gray circle)

You can limit the Enterprise View to specific installation statuses using the **Filter** field. You can expand and collapse the Enterprise View using the **Expand** and **Collapse** links.

The CAL Packages Install Status tab has a new filter (enabled by default), that shows only the latest status of the corresponding CAL package. Deprecated packages are filtered out. Filters correspond to the column header. In addition, a text entry field lets you filter a column dynamically by entering text.

The following columns have been added to the Install Status tab:

- Available Version
- Installed Version
- Finished at
- Install time (Minutes)
- % Complete

The following columns have been removed from the Install Status tab:

- Offset
- Install Date From To (when using Enterprise View)

Device Information Package and Module

The new Device Information CAL package is deployed automatically with the Service Host in Simphony release 19.1.2. However, the Device Information CAL package must be deployed for clients that still run on an earlier Simphony release (prior to 19.1.2).

Clients with Simphony release 18.2.2 or later have the package for 18.x releases. For example, if you are upgrading from 18.2.2 (or a later 18.2.x patch release) to 19.1.2, you do not need to deploy the client package.

A Linux based Simphony POS client on 19.1 cannot receive the separate Device Information handler.

Device Information shows detailed status results of workstation and other CAL devices, as well as the date and local time the tool was run. This allows administrators to resolve issues before scheduling CAL client updates.

The detailed status of workstations and other CAL enabled devices appears in the new Device Information module within EMC. After the CAL client is installed, the Device Information module shows data if the following conditions are met:

- The CAL client is updated to Simphony release 19.1.2.
- The Device Information CAL package is deployed to the workstation, which shows the status upon deployment.

Cash Management

Enterprise Cash Management

The Cash Management Dashboard Till tab has been enhanced to include the cash drawer number to which the till is assigned. The Drawer Number now appears below the Workstation Status on the Till tab.

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See the *Oracle MICROS Simphony Manager User Guide*—specifically the **Using the Cash Management Dashboard** topic—for more information.

Legacy Cash Management

The following options are no longer available:

- **21 - Post To Till Totals** has been removed from the Service Charges module
- **63 - Create a new Cash Management Till at Start of Day** has been removed from the RVC Parameters module

In addition, legacy CM Lite support has been removed.

Credit Cards

Support Removed for Credit Card Drivers Storing Data

Simphony release 19.1 does not allow system storage of credit card data and is not validated by PA-DSS. Support has been discontinued for credit card drivers that store credit card data in the system. The following credit card drivers are no longer available for use in Simphony:

- CAPMSPayment.dll
- DOTNPayment.dll
- ElavonPayment.dll
- FreedomPay external DLLs
- FuseboxPayment.dll
- MerchantLink.Reprocessor.dll
- MerchantLink.TV2G.dll
- MerchantLink.TV2G.Gateway.dll
- Micros.Payment.MerchantLink.dll
- Micros.Payment.MCreditDebit.dll
- ProtobasePayments.dll
- VisaDPayment.dll

OPERA Loadable PMS, XProcessor, ONTR, and cash are the only payments supported by Simphony release 19.1; the Oracle Payment Interface (OPI) and Simphony Payment Interface (SPI) are the only supported credit card drivers. If all properties of an Enterprise are using supported payments and credit card drivers only, you can upgrade to release 19.1 without configuration changes. All unsupported drivers or payments must be removed from the configuration before upgrading to release 19.1. If properties have not used the SPI, you need to upgrade to release 18.2, configure the OPI or SPI, and then upgrade to release 19.1.

Remote distribution between different Simphony releases is not supported.

The following safeguards are in place to prevent accidental upgrade to Simphony release 19.1 before converting to the OPI or SPI payment drivers:

- Prior to an upgrade, implementation staff can run the Upgrade Eligibility Check tool on the application server to check the enterprise database for unsupported payment drivers.

- During an upgrade, the installer program checks for unsupported payment drivers and aborts the process, if any are found.

- The installer program removes (known) unsupported DLL files from the application server.

- After upgrading to Simphony release 19.1:

  - EMC no longer allows the installation of unsupported DLLs.

  - POS operations prevents unsupported payment drivers from being loaded.

If you restore a database that has any of the unsupported legacy payment drivers, the drivers do not load in the workstation, and POS operations cannot process transactions with these drivers.

See the *Oracle MICROS Simphony Configuration Guide* for more information about the OPI and SPI configuration.

Support Added for Sales Amount Adjustment With SPI

Support is now available for adjusting an existing credit card authorization amount. When a guest check that was paid by credit card is adjusted using the **Adjust Closed Check** function (for example, to add a tip), and the amount of the credit card payment is changed but the credit card remains the same, the SPI sends this as a Sales Amount Adjustment transaction to the Payment Service Provider instead of reversing the original charge and recharging the same credit card. This new handling may reduce the number of occurrences where banks do not release authorizations or authorize funds twice.

Database

Removed Microsoft SQL Server as a Supported Enterprise Database

Simphony supports only Oracle Database as the enterprise database platform. Customers with enterprise databases running on Microsoft SQL Server must convert them to Oracle Database prior to upgrading.

> ✎ **Note:**
>
> The following on-premises services and devices still support Microsoft SQL Server:
> - Point-of-Sale Client
> - Check and Posting Service
> - Kitchen Display Controller Services

Review the *Oracle MICROS Simphony Installation Guide* and the *Oracle MICROS Simphony Post-Installation or Upgrade Guide* for more information on installations and upgrades.

Review the *Oracle Food and Beverage Compatibility Matrix* for more information on supported operating systems and databases.

Improved System Performance

If you are performing an upgrade to Simphony release 19.1 (or importing a database after a fresh installation), the system's performance can be improved by reducing CPU utilization and Disk I/O on database servers. This can be accomplished by performing the steps outlined in the *Oracle MICROS Simphony Cloud Services Post-Installation or Upgrade Guide* (specifically the **Simphony Upgrade Procedures** section) prior to performing the upgrade (or immediately after importing a database after a fresh installation).

Support Added for Oracle Container and Pluggable Databases

Simphony now supports Oracle Container and Pluggable Databases (PDB). A PDB is considered a container. A container is a collection of schemas, objects, and related structures in a container database (CDB) that appears logically to Simphony as a separate database. PDBs isolate data and operations so that from a user's perspective, each PDB appears as if it were a traditional Oracle non-CDB.

See the *Oracle MICROS Simphony Installation Guide* or the *Oracle MICROS Simphony Post-Installation or Upgrade Guide* for more information about performing installations or upgrades.

Data Transfer Service (DTS)

Support Added for Database Size Reduction and System Performance Improvement

In order to reduce the data footprint of the Simphony Transaction database, and to improve overall system performance, a new Employee Roles option has been added. The option named **10066 - Enable Access to edit Job/Purge Settings** allows you to control who has access to changing the DTS and data Purge job settings. For Simphony release 19.1 fresh installations, default DTS and Purge job settings have been assigned (based on best practices recommendations) to assist in controlling the amount of data that is being stored. After performing an upgrade, you are required to enable this Roles option to grant permissions for the employees deemed responsible for editing these job settings going forward.

See the *Oracle MICROS Simphony Cloud Services Post-Installation or Upgrade Guide* —specifically the **Configuring Access Privileges for Data Transfer Service (DTS) and Data Purge Job Settings** topic—for more information about assigning privileges to configure the DTS and database Purge job settings.

Support Removed for Posting to Totals Table and to Details Table

Simphony release 19.1 no longer posts data to the legacy MCRSPOS.TOTALS table nor to the DETAILS tables. Previous versions posted data to these tables, even though the data was no longer being utilized by the system. By stopping the unnecessary posting, the system operates more efficiently as it no longer consumes the disk space and processing resources required to post this data. Customers using legacy exports that require TOTALS or DETAILS table data may reactivate the posting through Oracle Customer Support until they transition off of the legacy export task.

Enterprise Management Console (EMC)

Enhanced Check SLU Sorting by Service Total Time

Starting with release 19.1.2, you can now configure the Check Screen Lookup (SLU) sort order in the Page Design module. The new sort order options allow the open check SLU to be sorted using a pre-defined sort order:

- **Check Order Time** (this is the default sort order)
- **Table Name**
- **Service Total Time**

The new sort option **Service Total Time** allows operations (for example, Drive Thru) to see checks in the order in which cars enter the drive thru, enabling workstation operators to pick up checks and service guests efficiently.

See the *Oracle Hospitality Simphony Configuration Guide*, specifically the **Configuring Screen Look Ups for Open Checks** section, and the *Oracle Hospitality Simphony POS User Guide*, specifically the **Open Check SLU Sorting Options** section for more information about this enhancement.

Gift and Loyalty and Stored Value Cards (SVC)

An 'Enter Amount Due' Prompt Can Be Suppressed When the Redeem Button is Selected for a SVC Transaction

For SVC transactions, by enabling Tender/Media option **3 - Assume Paid in Full**, and by setting the **Text** field of the **Redeem** button in the Page Design module to: **RedeemAmountIsTotalDue**, this suppresses a prompt for entering the total Amount Due.

See the *Oracle MICROS Simphony Configuration Guide*, specifically **Chapter 46: Loyalty and Gift Card Interfaces and Drivers**, for more information about Stored Value Cards.

Kitchen Display System (KDS)

Support Added for KDS Displays Running Oracle Linux for MICROS Operating System

The KDS Display application has been updated to build and run on devices running the Oracle Linux for MICROS operating system. You can install the Simphony KDS client on devices that have Oracle Linux for MICROS. The KDS Display client works the same as it does on a Microsoft Windows device, including bump bars and touch monitors.

See Known Issues for a list of currently unsupported functions and configurations for devices running Oracle Linux for MICROS.

See the *Oracle MICROS Simphony KDS Configuration and User Guide* for more information about the KDS Bump Bar and Toolbar Functions.

Enhancement to Send Grand Total to KDS Display

The option **9 - Display Subtotal** in the Order Devices module has been enhanced to show the order grand total on the KDS display in Dynamic Order Mode (DOM). The Subtotal now equals the sum of the following:

- Menu Item Sales Total

- Discount

- Tax

- Auto Service Charge

- Service Charge

- Rounding Total

See the *Oracle MICROS Simphony KDS Configuration and User Guide*—specifically **Configuring DOM for KDS**—for more information.

Operations on the POS Workstation

Support Added for Oracle Linux for MICROS on Specific Devices

Specific workstation devices can be converted to run the Oracle Linux for MICROS operating system. The Simphony EMC workstation setup steps for these devices remains the same as previous releases. These workstations and tablets listed here have been validated to run the Oracle Linux for MICROS operating system:

- Oracle MICROS Workstation 5a

- Oracle MICROS Workstation 6 Series:

    - Oracle MICROS Workstation 610

    - Oracle MICROS Workstation 620

    - Oracle MICROS Workstation 650

- Oracle MICROS Compact Workstation 310 and 310R

These Kitchen Display System (KDS) devices have been validated to run the Oracle Linux for MICROS operating system:

- Oracle MICROS Kitchen Display Controller (KDC) 210 (also known as DT Research DT166CR)

The Oracle Linux for MICROS platform is compatible with the System Interface Module (SIM).

See the *Oracle Hospitality Food and Beverage Hardware* documentation for instructions to convert supported devices to the Oracle Linux for MICROS platform.

See the *Oracle MICROS Simphony Client Deployment Guide* for information about installing the Client Application Loader (CAL) on Oracle Linux for MICROS devices.

See the *Oracle MICROS Simphony System Interface Module (SIM) Manual*, specifically **Chapter 7: ISL System Variables**, for more information about the supported variable for the Oracle Linux for MICROS platform.

Support Removed for Microsoft POSReady 2009

Support is no longer available for POS client and KDS client devices running Microsoft POSReady 2009.

Enhanced Support for Data Export Reliability

This release improves the reliability of data exports from Simphony workstations to Reporting and Analytics. Export Reliability enhancements provide Reporting and Analytics with more information about the status of workstations and transactions. This includes information such as whether a workstation has been taken offline or manually closed using the **Close Application** button. Other statuses reported on include locked workstations, and whether all transactions have been posted or not in order to run their daily reporting. Changes have also been made the **Close Application** button functionality and the **Unlock** workstation functionality.

Workstations now send a message to CAPS when they are closing. CAPS knows which offline workstations are deliberately closed and which are offline for other reasons (for example, network communication issues). If a workstation sends a Closed message to CAPS, CAPS can ignore it in the Data Export Reliability tasks. When the workstation starts, the Data Export Reliability workstation task is triggered with an Online status.

When a workstation is closed using the **Close Application** button, the system counts the number of service totaled checks and pending transactions. If data export reliability tasks are configured and there are outstanding service totaled checks or pending transactions, the POS client prompts the workstation operator (with **Yes** or **No**) to complete those transactions before closing.

When a workstation is locked, the unlock message now contains the additional option **Close Application**. Selecting **Unlock** checks whether the database is up-to-date. If so, the workstation will be unlocked. If the database is not up-to-date, the system prompts the workstation operator to update the datastore.

The new **Task Type 7 - Export Reliability** has been added to the Task Schedules module. This option lets you run and identify Export Reliability tasks separately from the **EOD Settlement** tasks in logs.

Several Posting Status Descriptors have been added to provide information to Reporting and Analytics regarding the status of workstations and transactions.

See the *Oracle MICROS Simphony Configuration Guide*—specifically the **Configuring Task Schedules for Export Reliability** topic, and the *Oracle MICROS Simphony Manager User Guide*—specifically the **Locking and Unlocking POS Operations From the Property** and **Closing a Workstation** topics for more information.

Menu Item Screen Look Up (SLU) Enhancements

Support for Additional SLUs per Menu Item

You can now assign each menu item definition to a maximum of eight different SLUs (increased from one SLU) in the Menu Item Maintenance module. This allows flexibility in building workstation pages that are customized to use dine in, take away, and carry out, and shows the menu items supported by the order type.

See the *Oracle MICROS Simphony Configuration Guide*—specifically the **Configuring Screen Look Ups for Menu Items** topic—for more information.

Support for Menu Item Master Group SLUs

You can now assign a Menu Item Master Group to a SLU that is applied to a workstation page, which enables easy addition to the page without hard coding individual menu items on the page. The system automatically generates the Master Group SLU button on the page, hastening configuration of the items. You can configure a maximum of 32 Menu Item Master

Group SLUs in the new Menu Item Master Group SLU Names module. The Menu Item Maintenance module shows the Master Group column with the Menu Item Master Group SLU assignments. The Page Design module now contains a new Screen Lookup **Type** value of **Master Group**.

See the *Oracle MICROS Simphony Configuration Guide*—specifically the **Configuring Menu Item Screen Look Ups by Menu Item Master Group** topic—for more information.

Support to Reduce Combo SLU Size Using Menu Levels

You can use Menu Levels to configure the SLU menu item sizes that appear on a workstation page. This enhancement reduces the number of items shown in a SLU, making it easier for workstation operators to locate the right combination of menu items and sizes for a combo meal without scrolling through many lists. The list of items in the SLU changes based on the Menu Level. If there are no Menu Levels configured, all SLU items appear.

See the *Oracle MICROS Simphony Configuration Guide*—specifically the **Creating Combo Meals** topic—for more information.

Menu Item Printing Enhancements

Support to Exclude Printing of Unpriced Condiments

You can now prevent a condiment from printing on the guest check and customer receipt if it does not have an associated price. For example, if there is no charge for lettuce on a sandwich, you can configure the lettuce condiment to not print. If there is a charge for avocado on a sandwich, you can configure the avocado condiment to print. The new options **79 - Do not print unpriced condiments on Guest Checks** and **80 - Override do not print unpriced condiments on Guest Checks** in the Menu Item Classes module let you define the printing of unpriced condiments.

See the *Oracle MICROS Simphony Configuration Guide*—specifically the **Configuring Menu Item Classes** topic—for more information.

Support for Printing Combo Meal Side Items with Combo Meal Parent Item

You can now configure side items within a combo meal to print to the same order device as the combo meal parent item. For example, you can configure a ribeye steak as the combo parent item, Side 1 as mashed potatoes, and Side 2 as broccoli. When printing to the kitchen order device, it is preferable that the side items also print at the same order device with the steak. You can configure this type of printing using the new option **11 - Send to Combo parents order devices** in the Combo Meal Groups module.

See the *Oracle MICROS Simphony Configuration Guide*—specifically the **Creating Combo Meal Groups** topic—for more information.

Support for Authorizing Zero Amount Tip

An administrator can require authorization to declare that $0 tips were collected. When an employee clocks out, the system can prompt them to declare direct tips. If the employee enters a zero amount, the system checks to see if the employee user is authorized to do so before accepting the amount. If they are not privileged to enter a zero amount, an authorized user must approve the action before the employee can continue. This feature is useful in environments where the tip information is reported to government agencies for tax reporting because it helps to ensure that wait staff are not under reporting the tips earned.

The new transaction role privilege **303 - Authorize/Perform a zero Direct Tip** lets you disable a $0 direct tip for some users and enable it for others.

See the *Oracle MICROS Simphony Configuration Guide*—specifically the **Configuring Tip Tracking and Reporting** topic—for more information.

Payments

OPERA Self Pay

An optimized Pay at the Table (PATT) feature called **OPERA Self Pay** is now available in Simphony, replacing the original PATT feature which allowed guests to charge meals to their rooms from a tablet or similar device. This new functionality offers guests the ability to charge a meal directly to their room, add a tip, provide an email address, and review a printed or emailed full check image upon payment—all without assistance from the staff. OPERA Self Pay provides an efficient workflow, error handling, and validation with Simphony. The check image, along with the entered guest signature, also appears in OPERA 5 and in OPERA Cloud.

This feature is compatible with devices using Microsoft Windows or Android mobile operating systems.

The *Oracle MICROS Simphony Configuration Guide*—specifically the **OPERA Self Pay** and **Configuring the OPERA Self Pay Button** topics, and the *Oracle MICROS Simphony POS User Guide*—specifically the **OPERA Self Pay Charges to a Room** and **Using OPERA Self Pay to Close a Check** topics for more information.

Peripherals

Support Added for the USB Serial Port Expansion Module

Support for the USB Serial Port Expansion Module is available on the Oracle MICROS Workstation 310. This module connects to the USB port on the workstation and provides a powered DB9 serial connection (COM7), a powered RJ45 serial connection (COM8), and an Oracle MICROS customer display mini-din connector. This allows for enhanced connectivity on the workstation by increasing capabilities for connecting supported peripheral devices, in addition to enabling future support for new peripheral devices.

See the Oracle MICROS Powered Serial Port and Pole Display Expansion Module Quick Reference Guide for more information about configuring the USB Serial Port Expansion Module.

Privacy and Personal Data Management

See the *Oracle MICROS Simphony Configuration Guide* for more information about Privacy and Personal Data Management.

Support Added for Employee Notice and Consent

Simphony release 19.1 allows you to manage employee consent when creating employees in Simphony by capturing an employee's consent. You can enable and define a system generated notification message which prompts when adding an employee to solicit employee consent to enter and store personally identifiable information in the application database.

A Data Privacy tab has been added to the Enterprise Parameters module to enable the consent message prompt and to configure the notification message text.

The feature includes the following capabilities:

- Prompts with a notification message to acknowledge (or deny) consent of an employee when generating a new employee record in the EMC.

- Audit trail tracking of who enabled or disabled the consent prompt for an employee.

- Creating a unique consent notification message for employees.

- Copying and pasting text in EMC to create a consent notification message.

- Editing an existing consent notification message.

- Enabling or disabling the display of consent messages.

You can also record consent withdrawal when an employee is deleted from the system, and de-identify (remove) employee personal information from the system.

Support Added for Customer Export and Deactivation (Deletion)

Oracle team members can export a customer's data after the customer has terminated their Cloud service agreement. The Simphony POS configuration is exported from either a multi- or single- tenant system in machine readable format. Machine readable formats include (but are not limited to) .csv, Excel, and .zip. The export can include a separate zip file containing content loaded into the content table, such as images, extensibility DLLs, and scripts.

Oracle team members can deactivate (delete) a customer's organization after they have cancelled a Cloud services contract. The customer's organization is removed from multi- and single- tenant Simphony organizations.

Reporting and Analytics

Simphony release 19.1 is compatible with Reporting and Analytics release 9.1.

Simphony 19.1.2 Release is Compatible with Reporting and Analytics version 20.1

Starting with the Simphony 19.1.2 patch release, when you install or upgrade to Enterprise Back Office version 20.1 (including Reporting and Analytics and MyLabor) in conjunction with installing or upgrading to Simphony version 19.1.2, the Simphony EMC's Employee Maintenance, Reporting tab is now disabled. Going forward, new reporting users need to be added and configured in R&A. Reporting access passwords are no longer synced between Simphony and R&A.

If you still utilize R&A version 9.1, the Simphony EMC's Employee Maintenance, Reporting tab remains accessible and is configurable as usual.

See the *Enterprise Back Office 20.1* documentation, specifically the Reporting and Analytics User Guide Adding Users section for more information about adding users from R&A.

Simphony Web Portal (SWP)

See the *Oracle MICROS Simphony Manager User Guide* and the *Oracle MICROS Simphony Import/Export API Guide* for more information about importing and exporting data.

Support Added for Importing and Exporting Employee Records

You can now import and export employee records at the Enterprise, property, and revenue center levels through the SWP and the Simphony Import API. You can create and update employee records using either method. After importing an employee record, no changes are needed in the EMC; update the workstation database, and the employee can then log in to the POS workstation at the assigned location.

The export includes the following employee information from the EMC:

- Employee ID Number, First and Last Name, Check Name, and Email Address
- Language, Payroll ID, Level, Group, Data Privacy Consent Granted
- Information Lines
- Username, Locale

The exported information does not include sensitive data, such as passwords and PIN, fingerprint information, or security questions.

Imported employee information appears in the Employee Maintenance module in the EMC when users log in after the import is completed successfully.

Support Added for Importing and Exporting Employee Roles

You can now import and export all data related to an employee role at the Enterprise level through the SWP and the Simphony Import API. You can create and update roles using either method. After importing an employee role record, no changes are needed in the EMC.

The export includes the following employee role information from the EMC:

- Employee ID Number, First and Last Name
- Role Type, Comment, Role Level, Object Number, Hierarchy ID
- Privilege Type, Privilege Number, Privilege Access (View, Add, Edit, and Delete), Role Privilege ID

The export includes field and option values from the following Roles module subtabs:

- EMC Modules
- Actions
- Operations
- Visibility
- View
- Fields

The imported roles information appears in the Roles module in EMC when users log in after the import is completed successfully.

Support Added for Importing and Exporting Combo Meals

You can now import and export combo meals at the Enterprise, zone, property, and revenue center levels through the SWP and the Simphony Import API. You can add, edit, and delete combo meals using either method. After importing a combo meal record, no changes are needed in the EMC.

Support Added for Importing and Exporting Combo Meal Groups

You can now import and export combo meal groups at the Enterprise, zone, property, and revenue center levels through the SWP and the Simphony Import API. You can add, edit, and delete combo meal groups using either method. After importing a combo meal group record, no changes are needed in the EMC.

Support Added for Data Extensions

You can now import and export the following objects added through the Data Extensions module:

- Discount
- Menu Item Class
- Menu Item Master
- Menu Item Definition

You can import and export:

- Values to columns that are added through Data Extensions for the Discount, Menu Item Class, Menu Item Master, and Menu Item Definition tables.
- The columns themselves into the Data Extensions table.

You can add and edit the objects using either the SWP or the Simphony Import/Export API.

Support for Importing and Exporting Menu Item Object Number Range

Starting with Simphony release 19.1.2, you can import and export the following menu item data by specifying a range of object numbers using the SWP or the Simphony Import/Export API:

- Menu Item Master
- Menu Item Definition
- Menu Item Price
- Integrated Menu Items

When exporting Menu Item Definition and Menu Item Price records, use the Menu Item Master object number.

In addition, you can export the following Object Types by specifying the object number range (for example, 1-100, 200-300, 550, or 1000) using the SWP or the Simphony Import/Export API:

- Barcode
- Discount
- Employee Class

- Family Group

- Group Event Area

- Group Event Definition

- Group Event Definition Detail

- Group Event Sub Type

- Group Event Type

- Hierarchy

- Job Code

- Language Information

- Major Group

- Menu Item Class

- Role

- Service Charge

- Tender Media

Taxes

Support Added for Australia Goods and Services Tax (GST) Requirements

Simphony now adheres to Australian Goods and Services Tax (GST) requirements, allowing you to configure, display, print invoices, and generate reports in accordance with the law. The Australia GST represents a single, inclusive tax rate of 10% which affects menu items (such as regular menu items, priced condiments, and priced combos) in the following manner:

- Menu items sold and consumed on-premises (dining in). In instances of take-away, there are GST-free menu items (such as bottled water), on which the Australia GST applies when sold and consumed on-premises.

- Menu items with no active tax-rate assigned to them need to be handled as GST-free. Menu items sold with a zero percent rate can also be handled as GST-free.

See the *Oracle MICROS Simphony Configuration Guide*—specifically the **Configuring Options for Australia GST Requirements** topic—for more information.

Support Added for Overriding Taxes for Menu Items with an Assigned Quantity

The addition of a **Quantity** field to the Menu Item (MI) Definition module enhances the Menu Item Tax Class Override feature. For some menu items, you might want to assign a quantity (greater than one) to a single MI Definition record. For example, you could have one MI Definition record for ½ Dozen Donuts (whose Quantity setting is 6).

Using the MI Definition **Quantity** field to contribute (or add to) to the Menu Item Group module's **Threshold Quantity** value, after the Threshold Quantity setting has been reached or exceeded, the system is triggered to perform an override of the previously applied tax class setting.

For example, if a workstation operator adds ½ Dozen Donuts (whose Quantity setting is 6), and then adds one more menu item (that is a member of the same Menu Item Group as the ½ Dozen Donuts), the previous tax class setting is overridden by the tax class assigned to

this Menu Item Group record. The tax override is triggered by reaching or exceeding the Menu Item Group module's Threshold Quantity setting (which is set to 7 for this example).

- The default value for the MI Definition Quantity field is 1. The MI Definition Quantity field does not support entering a 0 or a negative value.

- This feature's configuration also applies to both Split Check and to Seat Filtering check handling functions.

- The MI Definition Quantity field value is included when performing data imports or exports.

See the *Oracle MICROS Simphony Configuration Guide*, specifically the **Configuring the Menu Item Tax Class Override** topic, for more information.

2
System Requirements, Supported Systems, and Compatibility

The *Oracle Food and Beverage Compatibility Matrix* provides information on system requirements, supported devices, and compatibility.

3

Installation and Upgrade

The *Oracle Food and Beverage Compatibility Matrix* provides more information on supported upgrade paths.

After upgrading, all sites and properties (Cloud and self-hosted customers) must complete the procedures in the *Oracle MICROS Simphony Installation Guide* and the *Oracle MICROS Simphony Cloud Services Post-Installation or Upgrade Guide*.

The *Oracle MICROS Simphony Manager User Guide*—specifically the **Simphony Web Portal (SWP)** chapter—contains instructions about accessing the SWP and updating the EMC client for your property.

4
Resolved Issues

The following issues were resolved in this release:

Module	BugDB	TPID/Jira #	Description
Ops	N/A	FPS-49	Revenue Center Control Parameters option, **43 - Allow Price Overrides and Modifications to Previous-Round Items**, used in conjunction with the Roles, Voids/Returns option, **304 - Authorize/Perform modifications (void, price, or quantity change) to previous round condiments**, now functions as expected.
Integrations	26539759	FPS-945 FPS-12362	Employees cannot sign on to a workstation after they clock out.
EMC	27320163	FPS-1109	When changing between locations using the **Location Selector** button on the EMC toolbar while the Extension Application page is open, you no longer receive an error. In addition, the tab name updates with the correct property information.
EMC	29171684	FPS-5155	When a new payment record is configured in the EMC Payments module with blank **Name** and **File Name Origin** fields, an exception error is no longer generated when the POS client is loaded, and the log file does not show a fatal error.

Module	BugDB	TPID/Jira #	Description
EMC	28454645	FPS-2489 FPS-5523	When option **43 - Allow Price Overrides and Modifications to Previous-Round Items** is enabled in the Control Parameters module, workstation operators can now modify previous rounds, including override menu item prices and change menu item quantity.
EMC	28563291	FPS-2574 FPS-11039	Simphony Task Schedules are not inherited in multi-tenant environments by design. These settings are managed by the Oracle hosting team.
Payments	28918788	FPS-4585 FPS-6630	Enabling Tender/Media option, **3 - Assume Paid in Full**, and by setting the **Text** field of the **Redeem** button in the Page Design module to: **RedeemAmountIsTotalDue**, now works for Stored Value Card (SVC) transactions without prompting for the total Amount Due. See the *Oracle MICROS Simphony Configuration Guide* **Chapter 43: Loyalty and Gift Card Interfaces and Drivers**, specifically, the **Creating Loyalty and Stored Value Buttons** topic for more information.
Credit Cards	29140103	FPS-5432	Service Host loads when content data is missing from tables.

Module	BugDB	TPID/Jira #	Description
DPS	29128615	FPS-5473	When a discount is configured to post an inclusive tax to a condiment tax class, you no longer receive the error "Attempt to divide by zero" in MCRSPOS. The check posts to Reporting and Analytics without error.
DTS	29284743	FPS-6240	The DTS journal no longer pauses while running.
Installation	29292396	FPS-6274	Property level Service Hosts now use a property's time-zone rather than the Enterprise's time-zone
EMC	29605932	FPS-6885	You no longer receive an error message when deleting a property that has an autosequence event task.
POS Client	28486731	FPS-8083	After reopening a closed check and restarting a workstation, a blank duplicate check number is no longer created in Reporting and Analytics.
DPS	29495041	FPS-8084	A reopened check contains the latest changes and produces only one instance of the check. No duplicate records of the same check are posted to Reporting and Analytics.
POS Client	29507777	FPS-8120	The Split Check UI now shows all unconsolidated menu items on the check detail area when using the Workstation 6 Series.
POS Client	29511212	FPS-8418	Order devices no longer print a blank order when using the Gift and Loyalty Issue Points function.

Module	BugDB	TPID/Jira #	Description
EMC	28896543	FPS-8563	You can create a property without receiving an "Orglevelid not found" error in Reporting and Analytics.
POS Operations	30116118	FPS-10048 FPS-11935	When a partial cash tender payment is made before a non-cash tender payment for the remainder of the check, the cash drawer now opens for the last tender. This occurs regardless of the setting for option **23 - Open Drawer Only if Balance Due is 0.00** in the Control Parameters module.
DPS	29765114	FPS-10320 FPS-11354	The Daily Operations Report now shows 0.00 in sales totals, on days where no sales actually occur.
EMC	29739862	FPS-10387	After editing the visual state or the Screen Lookup **Value** drop-down list in the Page Design module, which is configured for dynamic SLU, the **Save** icon now becomes active. You can click to save the new edits made to the dynamic SLU.
DPS	29778867	FPS-10498	When MREQUESTS are processed, there is no reference to placeholders for the revenue center.
Credit Cards	29821708	FPS-10729	An exception error no longer appears after performing a credit card authorization and then finalizing. The credit card is processed and the check is closed.

Module	BugDB	TPID/Jira #	Description
EMC	21584255	FPS-332	After inserting a menu item without using the template adding a menu item definition, and then adding a definition to masters, the menu item name now appears in the template.
DPS	27187302	FPS-1072	Offline Sales, when posted to a separate business date, now also post to the Inventory Management database.
POS Client	N/A	FPS-1505	Workstations no longer continuously attempt to pull the same records to update when no changes are made in the EMC.
DPS	28248337	FPS-1667	Charged tips now post to the guest check line item with the correct daypartID shown in the database.
EMC	28414294	FPS-2079	When distributing extension applications, if the source options for the extension application content are set to all zeros, the OptionBits column of the EXTENSION_APPLICATION_CONTENT table now matches what was distributed from the original property.
DPS	28390914	FPS-2488	The Cashier Financial Report in Reporting and Analytics now shows a list of cashiers and its details.
EMC	28557045	FPS-2569	The system now honors the Transaction and Home page configurations made in the Page Assignment module rather than adhering to the default page assignments.

Module	BugDB	TPID/Jira #	Description
Integrations	28702918	FPS-2919	The Daily Operations and System Sales Summary drill down reports now appear correctly in Reporting and Analytics.
Workstations	25422328	FPS-3595	If and when workstations become disconnected from the enterprise database, related error messages no longer appear, and workstations no longer require re-authentication once connectivity is restored.
Reports	29260691	FPS-6075	When an additional inclusive VAT tax menu item is selected, the system correctly increments the taxable sales on the VAT Financial Reports.
CAL	N/A	FPS-7088	The **POS Type** drop-down list for CAL now appears correctly on handheld devices running the Android 7.0 and 8.0 mobile operating systems.
DTS	N/A	FPS-7436	DTS no longer inserts multiple rows into TAPE_REQUEST_QUEUE for the SimphonySODAgg job.
Reports	N/A	FPS-7599	Workstation operators can now change a menu item definition on the POS client if the menu item was created at the Enterprise level.
DTS	N/A	FPS-7788	The lastAggregation value is correctly updated in the Location Activity Database 30 minutes after the job is inserted into the DTS_APPSERVER_JOBS table when the Aggregation and Adjustment service is stopped.

Module	BugDB	TPID/Jira #	Description
EMC	29462769	FPS-7967	Moveflags are successfully updated with the values for HierStrucIDs in the SQL queries.
Database	29329200	FPS-7973	You no longer receive errors or blank screens when navigating the Condiment Sets module with a large enterprise.
DTS	29487859	FPS-8033	Menu item prices posted after midnight no longer use a truncated calendar date in the database EffectiveFrom field. The EffectiveFrom value now shows the business date on which the item was created (not the current business date).
POS Client	29416874	FPS-8287	Workstation operators are no longer prompted for the guest count when settling a split check.
Reports	29451076	FPS-8573	The Waste Detail Report now shows the correct price of a weighted menu item if it was added as a decimal quantity.
POS Client	N/A	FPS-8575	The Cash Drawer Closure and Progress Update dialogs no longer appear simultaneously.
DPS	28561419	FPS-9420	Simphony now posts data to the OPERATIONS_DAY_PART_TOTAL.TAXCOLLECTEDTOTAL table in Reporting and Analytics when VAT is enabled.

Module	BugDB	TPID/Jira #	Description
EMC	29670474	FPS-9602	You no longer receive the error "Input String not in a correct format" when creating a property that is copied from an existing property.
OPI	29699742	FPS-9856	SPI transactions now appear with the correct tender in the Property Management Console (PMC) Reports.
Installation	29797601	FPS-10528 FPS-11243	When upgrading the enterprise from Simphony releases earlier than 18.1, the Windows services now retain the previous state.
DPS	29855223	FPS-11098	Tax 1-8 totals in GUEST_CHECK and TAX_GUEST_CHECK_DETAIL tables are now updated with previous round information applied to the check.
POS Client	21578537	FPS-92	When multiple checks are created on the same table using the Table Object, all checks appear. The scrolling navigation allows workstation operators to access checks when there is a lengthy list.
POS Client	26445350	FPS-954	Tax and autogratuity are now added back to a check if the check is closed for a second time and a different tender is used, or if the exemption key was not selected.
Database	27319176	FPS-1274	When you override an existing record in the Page Design module, you no longer receive an error with the database server or network connection.

Module	BugDB	TPID/Jira #	Description
EMC	27853354	FPS-1287	When configuring CAL packages in EMC for a property to upgrade, you cannot add multiple deployments (with different versions) of the same CAL package to the same Service Host or property. You receive an error message when attempting to configure multiple CAL packages.
POS Client	27969389	FPS-1338	When using the **Touch Reorder** function key with a menu item that is configured to ask for a reference entry, the additional order of the menu item is now added to the check without doubling the doubling the menu item count.
EMC	28011226	FPS-1361	When a user has multiple role privileges, including **10065 - Download Software, Install and Authenticate Clients and Service Hosts Using CAL**, the user can now authenticate clients during the CAL process.
Transaction Services	28468846	FPS-2466	When using Transaction Services via a POSAPI workstation, you can now enter the check number (that is opened on another workstation) on a pay at the table device, and successfully complete the transaction.
Integrations	28571875	FPS-3743	A user can log in to Reporting and Analytics after having their employee profile updated in the EMC.

Module	BugDB	TPID/Jira #	Description
Import/Export	N/A	FPS-4318	You can now import large files (max 10 MB) using the Simphony Web Portal (SWP) without manually configuring the DataRequestProcessingService.exe.config file, the WebAPI\web.config file, and the WebAPP\web.config file to increase the files size that can be imported. The import now allows files up to 10 MB by default.
MTU	N/A	FPS-5064	When installing Simphony, you cannot continue past the Multi-Factor Authentication screen without completing the fields if **Email One-Time Password** is selected.
POS Client	29061330	FPS-5269	A menu item that has **2 - Do not allow edit by workstation function Edit menu item** selected in the Menu Item Maintenance module does not appear in the list after selecting the **Edit Menu Item** function key on the POS client.
DTS	28997138	FPS-5300	Revenue centers with long names can be created without errors in the EMC, and no related errors appear in the DTS log.
POS Client	29311851	FPS-6382	Pressing the **@/For** button on the POS client no longer causes the check detail amount of a credit card finalize to multiply, and change due is not inflated.

Module	BugDB	TPID/Jira #	Description
Payments	29330641	FPS-6516	Workstation operators can now void a credit card tender on a Reopened/Adjust Check that has HALO enabled on the OPI or SPI default tender, without the HALO prompt appearing.
DTS	29503303	FPS-7646	When changing the menu item price in the EMC, a new record is created in the location_activity_db.menu_item_price table, with the price change and menu added.
Transaction Services	29437715	FPS-7917	The GetOpenChecks function no longer returns an error when a check is closed on another workstation.
Payments	29495301	FPS-8313 FPS-11054 FPS-1312	When using the Quick Chip feature with OPI and SPI, you can successfully void a transaction without receiving an Operation Failed error.
EMC	29489517	FPS-8747	You can run, edit, and save a PC auto sequence without receiving errors.
Reports	29428584	FPS-8903	The Tip Track Summary Report now shows the team service operations correctly.
OPI	29590306	FPS-8904	The date format now appears correctly for the TransDateTime field in the XML logs.
DTS	29623172	FPS-9309	Menu item definitions and price records posting has been optimized to execute faster.
Transaction Services	29655222	FPS-9447	The guest count remains the same when tendering checks using OPI with a Pay@Table PIN Entry Device (PED).

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Module	BugDB	TPID/Jira #	Description
DTS	29590330	FPS-9620	DTS no longer creates duplicate menu item price records when an item is sold for the first time.
EMC	29707035	FPS-9912	You can now enter information in the Tender Parameters module of a property without receiving a message about zone conflicts.
CAL	29422321	FPS-9991 FPS-11386	The custom CAL packages (CAL_FILES) associated with the CAL_PACKAGES table in the MCRSPOS database are now deleted when the CAL package is removed.
POS Client	N/A	FPS-10073	When trying to count a till that is assigned to a cash drawer, the error message now reads, "Count Till not allowed while assigned to cash drawer".
DTS	29771953	FPS-10332	When a menu item definition is created at an inner zone that does not have a property and revenue center associated with it, the Moveflag remains at 3, indicating that there is no reason to move it as there are no children associated with the zone. No comparisons with Reporting and Analytics definitions occur. This streamlines the queries for posting definitions.

Module	BugDB	TPID/Jira #	Description
KDS	27589894	FPS-1495 FPS-10911	The KdsRealtimePost.dat file no longer keeps growing and no KDS posting error is logged in the KDSController.log during a SendDistributionState PostingUpdate.
POS Client	28811799	FPS-3838	A workstation operator cannot add items to a guest check using the **Repeat Round** function key when option **19 - Post Menu Items to Checks Belonging to Another Operator** is disabled for the user's role.
DPS	28504727	FPS-4004 FPS-4964	When revenue center posting option **6 - Post Totals and Tender to Transaction Operator** is disabled in the RVC Parameters module, the check information and check journals now appear correctly for the business date queried.
EMC	28827109	FPS-4495	The EMC default timeout (EGatewayTimeout value) has been extended higher in the EMC.config file to support large enterprises and data.
POS Operations	30082968	FPS-2687	The **Refill Interactive** function key now appears correctly in the Select Items to Refill dialog after selecting menu items to refill from the check.
POS Operations	21578842	FPS-144	The void function now voids the last menu item from check detail as intended.

Module	BugDB	TPID/Jira #	Description
DTS	21582081	FPS-267	Tax records that are inserted or updated by DTS now have one or more effective columns populated.
DPS	21583552	FPS-314	Reopened closed checks are now correctly written to MyMicros, allowing for each rung up check number to be available for viewing, reporting, and auditing.
EMC	21584727	FPS-350	Custom Menu Level Sets now copy as intended when copying Menu Item Definitions.
EMC	21587782	FPS-445	Modifying inherited menu item group definitions no longer affects the enterprise definition.
EMC	21589473	FPS-502	Chit Layout format sample images are no longer missing on the Chit Layout Help screen.
EMC	22911599	FPS-642	Employees with the View Only role no longer have the ability to change the alternate ID.
EMC	28042366	FPS-744	Running an Employee Permissions Report in a multi-tenant configuration no longer returns a blank, white page.
DPS	26037689	FPS-892	The OpenBusinessDate no longer changes when reopening a closed check. In effect, this no longer causes variances between totals and check details in R&A Reports.
EMC	26931033	FPS-1024	Sorting by Active On Level status no longer changes all fields in that column to the same status.

Module	BugDB	TPID/Jira #	Description
POS Operations	30412337	FPS-1037	Extension applications no longer prevent employees from logging into Simphony using their employee magnetic card.
EMC	27567971	FPS-1166	Workstations now accurately reflect the current menu item price based on the configured effectivity groups assigned to the price records.
Localization	27645796	FPS-1188	The error message "Please Check Language OpsText.xml for Enter Combo Side Title" no longer displays when executing a direct void to a combo.
DPS	27533919	FPS-1215	Labor Cost and Labor % of Sales columns now calculate and populate as intended when running a Time Period Summary report.
POS Operations	27378190	FPS-1320	The default menu SLU now displays correctly, when a dynamic SLU is configured using visual state buttons, on two different navigational tabs.
Integrations	27946611	FPS-1375	Transferred employees are no longer visible and active in Mag Card Assignment for the old store.
EMC	28335434	FPS-1439	ServiceHost no longer fails to load, when adding a content record without a name.
POS Operations	27961848	FPS-1452	Replacing a Combo Placeholder no longer sends a Void entry for the items in the combo on remote order devices. Instead, it voids the placeholder as intended.

Module	BugDB	TPID/Jira #	Description
Database	26942755	FPS-1479	Datastore and CAPS purging no longer falls behind the purge routine schedule.
POS Operations	28142366	FPS-1510	Void Validation Chits no longer print and void amounts are no longer added to the Employee Financial report, when using the Split Off Item function.
Transaction Services	21590779	FPS-1574	XOP now updates it's own cache and the POS cache for ServiceHost.exe.
POS Operations	27790992	FPS-1855	Check details no longer linger after the checks has been serviced, allowing the clearing of details for the next transaction.
Transaction Services	27364861	FPS-1856	POSAPI clients running as a window service is now able to authenticate and function normally.
EMC	29754926	FPS-1881	When the system populates the search field upon providing text, the search results in EMC now load in a timely fashion.
EMC	27825355	FPS-1931	Clear Totals no longer ignores the configured Clear Through Time, which previously would clear the entire days totals.
Integrations	27372060	FPS-2422	Labor Sync no longer fails after terminating an employee using cash management (ECM) with server banking.
Database	28700562	FPS-2428	SOD no longer creates an excess amount of db_sync_change records.

Module	BugDB	TPID/Jira #	Description
POS Operations	29785630	FPS-2445	Combo Meals are no longer broken up after using the Auto Combo function when any combo meal group item is run a la carte.
POS Operations	28544998	FPS-2486	The Oracle MICROS 721 Tablet no longer locks when a user swipes their ID card incorrectly.
Deployment	25053183	FPS-2519	The 2.9.3 SQL Server Express install no longer fails to install a new SQL Server, after uninstalling the previous SQL Server.
Deployment	28409542	FPS-2893	Added DCAL download schedules for configured properties are now visible.
Database	28701306	FPS-3171	An unindexed foreign key on SERVICE_HOST.secRec AuthKeyId was causing problems when an update statement on SERVICE_HOST is called from code that updated the same FK column. An index has been created to remedy this situation.
DPS	28082874	FPS-3216	DPS no longer posts the same GuestCheckID from multiple threads, fixing the issue where constraints and MoveHist failures occurred.
POS Operations	28438792	FPS-3314	Labor Posting Service no longer prompts for authorization on an Early Clock-Out when the authorization bit is not enabled.

Module	BugDB	TPID/Jira #	Description
DPS	28781084	FPS-3691	Service charges with the option bit 18 "Gift Certificate Sold" no longer post as a revenue service charge.
EMC	28922426	FPS-4405	The EMC table view no longer refreshes when scrolling to the right in a module, making selections, or when scrolling up/down.
EMC	30775896	FPS-4500	A duplicate CAL Package option row is no longer visible in the Roles module EMC Module tab.
Database	28854813	FPS-4729	An index has been created to optimally handle large journal posting queries.
DPS	28781037	FPS-4928	New aggregations no longer fail when performing null checks.
Database	29038489	FPS-5126	The purging process now includes the KDS_ORDER_DISTRIBUTION_STATE table, allowing for all records to be deleted.
EMC	30269723	FPS-5265	The Employee Maintenance module no longer crashes when executing a search by clicking the Search button.
POS Operations	29061330	FPS-5270	The menu item master option 2 no longer has an incorrect naming convention. The option is now "Do not allow edit by workstation function edit menu item".
POS Operations	28637809	FPS-5272	The touchscreen button for Next Screen no longer appears as a blank or invisible button.

Module	BugDB	TPID/Jira #	Description
Database	N/A	FPS-5276	Check purging logic now takes into account if a POS Journal Log has been posted or not.
EMC	29199175	FPS-5301	The behavior of Format Parameters option 56 – Do no display/print price for waste, no longer operates in the opposite manner when the option is selected.
POS Operations	28872307	FPS-5440	Employees without the proper permissions – option 133 and option 134 – are no longer able to adjust a closed check after the current business date.
POS Operations	29198945	FPS-5557	The error message 'No Deposit Receptacle Available" no longer displays whilst a till receptacle session is still open when performing a count and saving the count to a deposit.
EMC	29248262	FPS-5964	Alternate code length maximum has been increased in EMC to match the R&A alternate code length.
Deployment	29252642	FPS-6012	The EMCHandler no longer fails when attempting to access Properties in new MT environments.
CAPS	30695568	FPS-18331	New employess can now transfer to CAPS with a new labor posting when upgrading from an older version of Simphony.

Module	BugDB	TPID/Jira #	Description
OPI	N/A	FPS-19244	Payment Drivers configured to not validate HTTPS certificates are now able to communicate with the destination host without any errors on Linux workstations.
Integrations	N/A	FPS-17744	Importing barcodes through the web application to the enterprise level no longer fails.
Integrations	N/A	FPS-17850	The Import/Export tree view is no longer empty when there are special character names in the hierarchy.
POS Operations	N/A	FPS-17276	There is no longer a major delay when highlighting and/or selecting courses in the Fire Now dialog window on Android handheld devices.
POS Operations	N/A	FPS-17277	Adding a menu item to replace a placeholder item in a combo no longer results in the inability to select the newly added menu item.
DPS	N/A	FPS-2933	The Reporting and Analytics OBIEE Totals for Operator Period post correctly.
Reports	N/A	FPS-3695	Workstation ad hoc report calculations are now correct when memo checks are closed to cash and when a check is picked up before closing to cash.
POS Operations	28591044	FPS-4204	The Mag Card ID is updated correctly from EMC.

Module	BugDB	TPID/Jira #	Description
Transaction Services	28889733	FPS-4320	The POS API ICupLabelPlugin interface now includes Order Type, Check ID, and Check Information Lines.
Transaction Services	27987330	FPS-4368	The Transaction Services API returns information about the newly created check.
POS Operations	28997978	FPS-4704	Cash drawers open correctly.
Transaction Services	28439525	FPS-4857	The Transaction Services API allows a condiment to be set as the default condiment.
CAPS	29545403	FPS-5355	Simphony no longer forces garbage collection.
DPS	28899579	FPS-5409	When using the AddToExistingCheck method in the Transaction Services API, the check is correctly posted to the database.
DPS	N/A	FPS-5412	Checks reopened from a previous day will no longer cause DPS posting to fail.
DPS	29024057	FPS-5413	When Inventory is enabled and the customer runs multiple DTS services, these services now post correctly.
OPI	28801161	FPS-5699	In OPI, a declined transaction response sent with a receipt text prints a voucher.
Integrations	28934202	FPS-6401	CAPS now handles the new dataItem for Labor Party Rules to correctly obtain updates to the rule without errors.

Module	BugDB	TPID/Jira #	Description
DPS	29163863	FPS-6668	Simphony now posts correctly to the EMPLOYEE_DP_OPS_TOTAL table. The no sale value now posts to the OBIEE Self Service reports under the Operations subject **No Sale Count** value.
Integrations	N/A	FPS-6855	You no longer receive a database query error when adding a new revenue center after running Start of Day (SOD) for the Revenue Center Financial Report.
EMC	29377890	FPS-6960	After creating an employee, the new employee can log in without receiving the EMC Update Status prompt.
DPS	N/A	FPS-7989	Using Adjust Closed Check no longer zeros out nor purges previously posted Reporting and Analytics check-related tax information when using VAT.
Database	29273494	FPS-8060 FPS-12516	When deleting an employee in the Employee Maintenance module, you no longer receive an ERC_COMM_ERROR, and the EMC does not appear white or blank.
POS Client	29468333	FPS-8133	The condiment orderer on MC-40 no longer displays the previous condiments.
POS Client	29488618	FPS-8139	The generic Android device no longer forces landscape mode.
POS Operations	29487428	FPS-8148	Auto-Combo only shows options that are active on the current level.

Module	BugDB	TPID/Jira #	Description
POS Operations	29502599	FPS-8241	The currency symbol for weighted items displays correctly on the check receipt.
Database	29501918	FPS-8371	DBUpgrade successfully processes the CURRENCY table.
Installation	29522442	FPS-8541	Simphony upgrades no longer take an excessive amount of time to run on Simphony Standard Cloud Service environments.
EMC	N/A	FPS-8684	When option **28 - Restrict a Single User per Till** is enabled in the Cash Management Parameters module and a till session is open, you can no longer assign a different employee to the same till.
DPS	29557800	FPS-8703	CAPS has been enhanced to post a high velocity of checks to MCRSPOS in large environments.
Integrations	29525788	FPS-8744	The application server now works correctly as an Enterprise service host for interfaces in Simphony.
EMC	29619197	FPS-9319	The Page Assignment module now opens correctly when a zone is configured for a property.
Transaction Services	N/A	FPS-9877	The active Order Type information now passes correctly when using the Transaction Services `CustomReceiptPrintFormat` method.
Payments	N/A	FPS-10082	The SPI now sends quick chip initialized calls to the PIN Entry Device (PED) when a transaction is not a Fast Transaction.

Module	BugDB	TPID/Jira #	Description
CAL	30267413	FPS-10224	The LaguageTranslation CAL package now has the correct version in the Setup.dat file (19.1).
DPS	29754836	FPS-10286	Reference entries configured for plain data post correctly.
EMC	29779357	FPS-10423 FPS-12483	When configuring either a new stored value driver or editing and saving an existing stored value driver at any level, the **Content Type** DLL now remains as **3 - DLL**. The **Content Type** no longer defaults to **26 - Secure DLL Configuration**.
Integrations	29139614	FPS-10520	Prorated payment totals now post correctly to the OPERA PMS.
Payments	29821952	FPS-10741	Batch requests are now sent to OPI only during the configured End of Day (EOD) time. Other tasks in Task Schedules do not affect the OPI payment driver.
Database	29329200	FPS-10744	The EMC now loads the Condiment Sets module in large enterprise systems more quickly.
Installation	N/A	FPS-10792	During Simphony installation, the user can no longer leave the Multi-Factor Authentication screen blank.
EMC	29489517	FPS-10860	New PC Autosequences now execute successfully, and show an EC_SUCCESS message in the log message field.

Module	BugDB	TPID/Jira #	Description
POS Operations	29810109	FPS-10888	When using the **Auto Discount Toggle** function with multiple discounts and performing a Service Total, only the discounts that appear in the Check Detail are re-applied.
EMC	28900975	FPS-10968	When saving changes in the Property Parameters module for a multi-tenant system, you no longer receive an error.
DPS	29855223	FPS-11096	Tax 1-8 Totals in the GUEST_CHECK and TAX_GUEST_CHECK_D ETAIL tables no longer override the amount from previous rounds.
Reports	29428584	FPS-11180	The Tip Track Summary report now shows team service operations correctly.
EMC	29739862	FPS-11187	The Save icon is now available when changes are made to the dynamic SLU Visual State without making other changes in the Page Design module.
EMC	29862399	FPS-11255	You can now use the **Tab** key to move from one column or field to the next in grid view, editing applicable fields
DPS	21582081	FPS-11331	When inserting and updating tax rates through DTS, the EffectivityTo and EffectivityFrom columns are now populated in the LOCATION_ACTIVITY_ DB.dbo.TAX table.

Module	BugDB	TPID/Jira #	Description
POS Operations	N/A	FPS-11365	You are now prompted to replace a combo meal side placeholder with a condiment from a required category before Service Total is allowed on a check.
Payments	29906716	FPS-11428 FPS-12219	The SPI now appends incremental authorization information without errors.
DTS	30068658	FPS-11489	The Labor Managment POS Password no longer allows users to enter a value that Simphony does not accept through DTS posting. The maximum input limit is 10 digits.
DTS	29422923	FPS-11495	Taxes for automatic service charges now post to the guest_check_line_item table correctly.
DTS	29900565	FPS-11664	Records in the location_activity_db.menu_item_price table now update with a taxClassPosRef when tax class overrides are used. The taxClassPosRef shows the object number of the tax class assigned in the override.
KDS	30080150	FPS-11678	The order chit is now sent to the kitchen when a check has a manual discount applied.

Module	BugDB	TPID/Jira #	Description
POS Operations	29938702	FPS-11719 FPS-11814	When selecting the Suspend Order tender, you no longer receive a 'Cannot find Tender Media to suspend order' error message. The *Oracle MICROS Simphony Configuration Guide* has been updated, specifically **Configuring Suspend and Resume**.
DTS	29948990	FPS-11768	Menu Item waste checks now post in both the DTS EGateway and Posting logs.
Payments	29712443 29687150	FPS-11922 FPS-11923	Legacy credit card drivers (such as VisaD and Fusebox) now show an error message on the POS client stating that the tax failed, and do not print a voucher.
Database	26942755	FPS-12073	Datastore and CAPS purging have been optimized for high check volume environments.
Database	29038489	FPS-12175	The CAPS database purging process now purges the KDS_ORDER_DISTRIBUTION_STATE table records.
POS Operations	21578842	FPS-12494	The Void function now voids the last menu item from the check detail.
CAL	30022563	FPS-12563	The CAL client no longer attempts to download a Servicehost.xml file when the ServiceHostID=0.
DTS	30159414	FPS-17893	The count in PERIOD_INSTANCE_DTS_COUNT is transferred in full through DTS per batch without errors in DTS or Egateway logs.

Module	BugDB	TPID/Jira #	Description
Integrations	N/A	FPS-18050	The Labor subsystem on CAPS with Labor Management no longer runs a single Mutex.
Installation	30657349	FPS-18051	When Simphony is upgraded, file versions are now updated when the file changes.
Payments	30680897	FPS-18267	Employees in training mode are no longer able to perform live OPI and SPI payment transactions.
Install	29522442	FPS-12647	Upgrades are no longer taking a long time to run on multi-application server environments
Ops	N/A	FPS-12684	The Simphony Payment Interface (SPI) no longer sends an error when a fast transaction is begun using a negative balance function, such as a transaction or item Void.
EMC	30031065	FPS-12737	Deleting the first item in a Combo group no longer incorrectly edits the second item's record which caused a blank screen to appear .
EMC	26931033	FPS-12748	The view of fields no longer appear altered when sorting by 'Active on level' in Menu Item Price records,
EMC	27567971	FPS-12760	Configured Effectivity groups in Menu Item Price records, now work as expected.

Module	BugDB	TPID/Jira #	Description
Direct Posting Service (DPS)	29425104	FPS-12891	Partially paid check totals are no longer erroneously calculated as carry-over totals (using the entire check amount). Rather, only the actual amount due is now carried-over after an End-of-Day (EOD) is run.
KDS	30080150	FPS-12940	Orders are now sent to the KDS display when a check has a manual discount applied.
Engagement	30090431	FPS-12958	Sites running multiple application servers can now successfully logon to Engagement.
Engagement	30090457	FPS-12959	Logging onto Engagement no longer takes over a minute to connect.
Engagement	30090472	FPS-12961	While editing existing Engagement pages, the screen no longer goes blank.
Engagement	30090485	FPS-12962	While creating new Engagement pages, the screen no longer goes blank.
Engagement	30090490	FPS-12963	While uploading new images files to Engagement pages, the images are now inserted to albums as expected.
Engagement	30090498	FPS-12965	When uploading new images files to Engagement pages, you can now preview inserted images in albums as expected.
Engagement	30090512	FPS-12971	You can now view image files directly in albums. Clicking on the red 'X' on the image tile deletes the image.
Engagement	30090526	FPS-12972	The Crop Image tool now loads in a reasonable amount of time.

Module	BugDB	TPID/Jira #	Description
Engagement	30090546	FPS-12973	Images can now be added to widgets and display as expected
EMC	29862399	FPS-13067	While in Table view in the EMC, you can now use the Tab key to toggle between subsequent columns/ fields.
EMC	21587782	FPS-13068	Inherited menu item Group Definitions can no longer be modified and affect the enterprise definition
Direct Posting Service (DPS)	27187302	FPS-13106	Offline Sales, when posted to a different business date than the current date, now also post to the Inventory Management database.
Direct Posting Service (DPS)	29163863	FPS-13175	The EMPLOYEE_DP_OPS_T OTAL database table is now populated correctly so that the No Sale Count field shoes valid totals in Reporting and Analytics (R&A) reports.
Ops	28956901	FPS-13178	The auto-scrolling issue with many items when using Large/ Medium Template in the Page Design module has been resolved.
Import/Export	30068635	FPS-13246	After performing an upgrade, the reported problem of the Simphony ImportExport API not connecting to the database has been corrected.

Module	BugDB	TPID/Jira #	Description
Interfaces	30068022	FPS-13382	When the Enterprise Interface Option **5 - ON = Use 9 digits for Terminal IDs; OFF = Use 2 digits for Terminal IDs** is enabled, it no longer sends the incorrect workstation digits when transmitting data.
EMC	29951028	FPS-13383	Custom CAL Packages would not upload files larger than 32 KB in size in specific environments. Now, large CAL Packages upload in segments.
Engagement	N/A	FPS-13440	When you update the Simphony Transaction database user and password, now it also applies to accessing the Engagement configuration files.
Interfaces	30057988	FPS-13720	After performing an upgrade, the system stated that Import/ Export access was not authorized. Now, the Import/Export website is accessible and functions as expected.
Import/Export	30165671	FPS-13768	Beginning with Simphony version 18.2, Effectivity groups are now required as part of the importing of menu item prices into the system. See the *Simphony Import/ Export API Guide*, specifically the **Mandatory Columns** section for details.
Engagement	30452947	FPS-14006	An invalid credentials error is no longer thrown while logging onto Engagement.
Ops	N/A	FPS-14049	You can now void an automatic discount generated from a coupon.

Module	BugDB	TPID/Jira #	Description
Import/Export	30217747	FPS-14201	The Import/Export website no longer takes 2-3 minutes to load when trying to open the application.
EMC - Page Design	30412375	FPS-14608	Configured Custom Content icons and images are now showing as expected in EMC , Microsoft Windows workstations and Android clients.
Interfaces	N/A	FPS-14856	The **Total Revenue** field on the Reporting and Analytics **Simphony Property Financial Report**, no longer shows #ERROR2 on the report.
Transaction Services - Discounts	30263727	FPS-14897	Simphony Transaction Services no longer forces the MISubLevel data element, so discount values are correctly applied.
Direct Posting Service (DPS)	29870188	FPS-14922	The transaction date for line item details inside R&A are no longer later then the guest check close date when a check is split while offline.
Ops	30340569	FPS-15179	On Android clients, the Condiment Orderer now appears as expected when the first item is ordered.
Ops	30341432	FPS-15185	On Android clients, you are now able to scroll through check detail when applying a pop-up condiment.
EMC	30358665	FPS-15334	The Simphony API no longer errors when an EMC user has a quotation mark (**"**) in their password.
Ops	30353808	FPS-15343	OPOS printers now support printing in Red when enabled in the Print Class module.

Module	BugDB	TPID/Jira #	Description
Ops	30360499	FPS-15416	Ops no longer generates an error when suspending checks with combos ordered on the fly.
Data Transfer Service (DTS)	30376852	FPS-15497	The Move History (MMDAILY) job now executes as expected when using an Oracle Database 11G and Oracle 11G clients.
Ops	30353808	FPS-15500	Supported Epson printers purchased directly from Epson, no longer print erroneous number 10's.
Ops	30406924	FPS-15523	Order devices configured to print Secondary items in red are no longer printed using a larger font.
Ops	30326434	FPS-15524	Workstation Time Period Summary Reports now sort time periods correctly.
Ops	30401677	FPS-15678	When using the Hold Items or Transaction Hold functions in tandem with Send/ Stay functionality, the Total Revenue + Non-Revenue Service charge totals now match the Check Begun and Check Paid totals.
Ops	30402216	FPS-15689	When using Android clients, the Condiment Orderer no longer shows previous item's condiments while refreshing the background.
Ops	30406516	FPS-15733	When using the Simphony Payment Interface (SPI) driver to adjust a reopened check to apply a Void, upon completion, a Void Voucher now prints as expected.

Module	BugDB	TPID/Jira #	Description
Transaction Services	30359035	FPS-15739	When using POS API clients, and have configured a check number range for a Revenue Center, an error is no longer thrown when the check number range rotates to the beginning of the configured check number range.
Transaction Services	30412031	FPS-15771	When using POS API clients, and menu items with inclusive taxes are discounted, taxes are no longer incorrectly based on the original (non-discounted) amount of the item which resulted in inflating the tax amounts for the revenue center.
EMC - Page Design	30366170	FPS-15808	An Ops exception error was thrown when a Screen Template was deleted from a Zone level. Now, the default Login screen appears and allows users to continue.
Data Transfer Service (DTS)	30381262	FPS-15813	The Time Period Summary report now shows totals correctly in R&A.
Ops	30375687	FPS-15894	When using an Android client, Combos now stay on the same page after using the Condiment Orderer.
Ops	N/A	FPS-16062	Condiments added to parent Menu Items, now appear in check detail as expected.

Module	BugDB	TPID/Jira #	Description
Transaction Services	N/A	FPS-16149	When using Transaction Services, the tax information in the ArrayOfTaxTotal element is populated in the LastResponseTransaction.xml header, and the TaxTotals values for each MenuItem are populated as expected.
Import/Export	30359102	FPS-16212	Authentication tokens are now returned much quicker for employees assigned to multiple roles when using the Import/Export API.
Ops	N/A	FPS-16276	The scenario where an Enhanced PMS Interface Inquiry screen is showing, and an employee tries to sign onto the workstation at that time, it no longer occurs that an inaccessible Sign in message appears behind the inquiry screen.
Ops	30444254	FPS-16280	Four specific Chinese language characters (神,瑞,非, and ⊠) now print as expected on OPOS Multi-Lingual configured printers.
Data Transfer Service (DTS)	30480670	FPS-16485	DTS now continues executing the Move History (MMDAILY) job despite the CheckIfDailyAggregationPCAutoSeqExists throwing an error.
Ops	30257045	FPS-16543	A Cash Management Receptacle is now to able correctly calculate the Cash Pull Amount when a check is reopened and items are voided.

Module	BugDB	TPID/Jira #	Description
EMC	30019612	FPS-16653	When creating a menu item from a Menu Item Master template, the item name now saves as expected.
Ops	N/A	FPS-16657	The PMC Network Services test page now shows **Ping/S** (for seconds) for time column headers instead of MS (for milliseconds)
Interfaces	30490813	FPS-16663	The Engagement and the Import/Export Web.config files no longer contain invalid text characters.
CAL	30517982	FPS-16804	The deployment and installation of CAL 146, when performing an upgrade, no longer fails when the Microsoft Windows October 2019 update to VC_redist.x86.exe version is already installed.
Ops	N/A	FPS-16859	When using an Android client, and Library images are added to a Page Design HHT Blank Template, the images are now showing on buttons as expected.
EMC	N/A	FPS-16879	When performing an upgrade, the EMC client upgrade no longer throws an error if users do not have the Import/Export view Role settings enabled.
Ops	N/A	FPS-17063	When using an Android client, you can now select courses from within the Fire Now feature's pop-up dialogue.
Ops	N/A	FPS-17091	The Fire Now feature is now showing (and firing) items on Hold (via Hold and Fire) as expected.

Module	BugDB	TPID/Jira #	Description
Ops	N/A	FPS-17106	The Fire Now feature now recognizes (and fires) courses from within a Combo meal.
Ops	N/A	FPS-17167	Adding an item to replace a placeholder item within a Combo meal, no longer causes the rest of the combo to be reset to fire.

5
Known Issues

The following issues are known for this Simphony release:

Table 5-1   Simphony Version 19.1 Known Issues

Module	BugDB	Jira Ticket #	Description
CAL	N/A	FPS-8781	The SWP home page does not show menu options in portrait view when using the pre-installed Chrome browser on some Android workstations.
			Workaround: Access the SWP `https://<ServerName>:<Port>/SimphonyApp/Download/AndroidCAL`. Log in if prompted, and then download the CAL **setup.apk** file on the Android device.
CAL	N/A	FPS-17707	The Server Address Port dialog box remains open after changing the port value.
			Workaround: After adjusting the port number, remember to close the port popup box by clicking the plug icon to the right of the Server URL field.
Database	31246525	FPS-26275	When installing a new Simphony application, the transaction database will fail on creation if the regional settings are set to a language other than English (United States). The install log displays the following SQL error: "ORA-01882: timezone region not found."
			Workaround: Ensure that Windows regional settings are set to English (United States) prior to installing Simphony.
EMC	30397223	FPS-12178	An 'EMC handler failed' error message is generated when selecting the 'Remove OPS from Service Host' option from a newly inserted workstation record.
			Workaround: To avoid the error message, prior to selecting the 'Remove OPS from Service Host' option, you must first remove the print controller from the device, **Save** the change, and then proceed configuring the device.

Table 5-1 (Cont.) Simphony Version 19.1 Known Issues

Module	BugDB	Jira Ticket #	Description
KDS	N/A	FPS-12884 FPS-17712 FPS-16744	Currently, the following KDS Toolbar/Bump bar functions do not work on all Oracle Linux for MICROS workstation clients: • Media Viewer • Show Ops • Minimize • Play Audio on a new order. **Workaround**: A beep on a new order can be enabled using the bump bar annunciator. • Touchscreen Display Rotation - A KDS Display does not rotate the touchscreen device when Portrait Mode is used. When Portrait Mode is enabled for a Linux KDS Display, the screen rotates, but the touchscreen input device(s) need to rotate as well. • Display Rotation: Portrait to Landscape - If this transition is made while the KDS Display application is running, a small portion of the bottom of the screen appears blank. A workstation reboot resolves the issue. It works as expected if you transition from Landscape to Portrait. For Workstation 5A's running Oracle Linux for MICROS: • Are not supported running as KDS Controllers. • Are not supported running the KDS Display application. For Select Electronics (SEI OASYS) KDS Display devices: No longer supported as of Simphony release 19.1.1.
Page Design	N/A	FPS-18842	The Popup Condiment Orderer template from the Page Design module can be assigned to Oracle Linux workstations, however any further or additional Page Design Popup Type configurations are not currently rendered on these devices.
POS Operations	22288774	FPS-18165	If a check number has more than 5 digits, the full check number is truncated in POS Operations when a check is begun by users manually entering a check number. This occurs when a check is not assigned to a table or has a check name. **Workaround**: Increase the width in the check detail area as per your requirement to view the entire check number. Access the Page Design module and open the correct page template, click the **Configuration** tab, increase the **Width** setting from within the **Check Detail Area** section, and then click **Save**.

Table 5-1   (Cont.) Simphony Version 19.1 Known Issues

Module	BugDB	Jira Ticket #	Description
Application Server Monitor Display Settings	33822502	N/A	When using a large monitor with the display resolution set to 1920 x 1080, and the Dots Per Inch (DPI) setting is set to 120, the EMC displays oddly, or does not display any information upon opening particular modules. **Workaround:** 1. Access the Simphony application server, and using File Explorer, navigate to the **EMC.exe** file. 2. Right-click the file and select the **Compatibility** tab. 3. Click the **Change high DPI settings** button. 4. Under the **High DPI scaling override** section, select the **Override high DPI scaling behavior** checkbox. 5. Change the setting under **Scaling performed by:** heading to **System** and click **OK**. 6. Click **Apply**.

6
Translations

The following information is available in English only:

- Documentation, including online help, release notes, interface specifications, and product guides
- Online support (My Oracle Support) articles (for example, knowledge base articles, patch and patch set ReadMe files)
- Batch programs and messages
- Log files
- System tools
- Demonstration data
- Training Materials
- Installation Media

Translations into other languages are not available.