

# Oracle® Payment Interface

## Oracle Hospitality Symphony FE OGDH Installation Guide



Release 19.1  
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July 2019

ORACLE®

Oracle Payment Interface Oracle Hospitality Symphony FE OGDH Installation Guide, Release 19.1

F14995-02

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# Contents

Preface	4
<hr/>	
1 Pre Installation	1-1
<hr/>	
Before Installing the OPI	1-1
2 Network Consideration	2-1
<hr/>	
3 Configuring the Symphony Server	3-1
<hr/>	
Adding an Interface	3-1
Configuring the RVC	3-2
Configuring the Employees	3-4
Configuring Service Charges	3-5
Configuring Tender Options	3-6
Configuring a CAL Package	3-8
Designing the Touch Screen	3-9
4 OGDH Driver Installation	4-1
<hr/>	
Installing OGDH on the Symphony Server	4-1
Point-of-Sale (POS) End-of-Day (EOD)	4-6
5 Installing the OPI	5-1
<hr/>	
6 Upgrading the OPI and OGDH	6-1
<hr/>	
OPI 6.1 to 19.1.0.0 Upgrade Steps	6-1
OPI 6.2 to 19.1.0.0 Upgrade Steps	6-3
OGDH 6.1 to 19.1.0.0 Upgrade Steps	6-6
OGDH 6.2 to 19.1.0.0 Upgrade Steps	6-10
7 Not Supported Functionality	7-1
<hr/>	

# Preface

This document describes how to install the OPERA Gateway Device Handler (OGDH) and the Oracle Payment Interface (OPI) including:

- Installing OGDH
- Installing OPI
- POS configuration for OPI using OGDH
- Middleware mode vs Terminal mode

Refer to the *Oracle Payment Interface RES Native Driver Installation Guide* for more information.

## Audience

This document is intended for installers of Oracle Payment Interface and OGDH.

## 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/hospitality/>

## Revision History

Date	Description of Change
February 2019	Initial publication.
March 2019	<ul style="list-style-type: none"><li>• Updated formatting and cover page with new template.</li><li>• Updated details for tender mapping in Chapter 4 OGDH Driver Installation.</li><li>• Added Chapter 7 Not Supported Functionality.</li></ul>
July 2019	Updated security bugs in few chapters

# 1

## Pre Installation

### Before Installing the OPI

**IF UPGRADING OPI, YOU MUST READ THE [UPGRADING THE OPI SECTION](#) FIRST.**

Complete the following tasks before installing:

- The OPI application requires Microsoft .NET Framework version 4.0 or higher.
- You must uninstall previous versions of MPG before installing OPI 19.1
- You cannot upgrade from previous versions of MPG to OPI 19.1
- You can upgrade from OPI 6.1 and higher to OPI 19.1
- You can upgrade from MGDH 6.1 and higher to OGDH 19.1
- Verify with the merchant to setup table service (TSR) or quick service (QSR), or both. QSR does not support tips.
- Verify with the merchant if activating the Refund functionality, the merchant must control the privilege for this function.
- Verify with the merchant if they offer a guest the option to get cash back with their purchase, then activate the **Sale & Cash** option. This is only available for QSR.
- Confirm Microsoft Visual C++ 2010 is installed on the computer where OGDH and OPI are installed.
- Confirm Java Platform, Standard Edition Runtime Environment (JRE) version 1.8.152 or higher but below 1.9 is installed on the computer where OGDH and OPI are installed.
- It is required to use JRE 8U131 or above build of JRE8 for OGDH installation.
- Transactions from previous OPI versions will not settle or Void once system is upgraded to OPI 19.1. All transactions must be settled/finalized before upgrading.
- Oracle Payment Interface requires at least 6 GB of free disk space.
- You must install both OGDH and OPI as a System Administrator.
- OPI 19.1 does not install a database. If doing a clean install of OPI, a database must be installed first.

During the installation you must confirm the following:

- Merchant IDs
- Receipt “Header” and “Trailer” details
- Tender Media numbers for each card type

- IP address of the OPI Server
- If there is an existing MySQL database installed, then the SQL root password is required.
- Workstation IDs and IPs that integrate with the PIN pad.

# 2

## Network Consideration

Consider the following points for the network:

- OPI listens on the TCP port 5098 for incoming messages from OGDH by default, this port must be open internally on the merchant's network.
- The port for the PIN pad depends the partner, confirm with the partner and confirm the corresponding port is open.

# 3

## Configuring the Symphony Server

### Adding an Interface

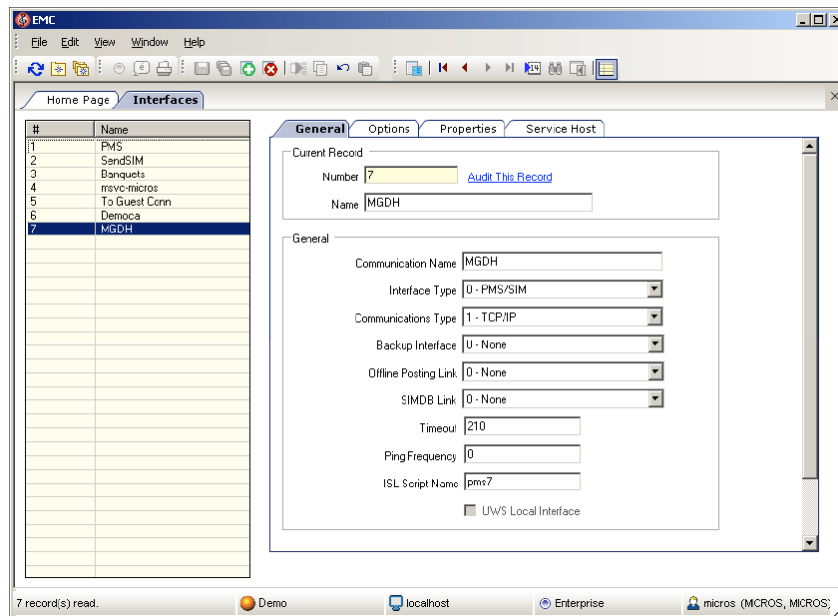
To configure the server, you must add a new interface.

1. In the Enterprise Management Console, go to the **Interfaces** tab and select **OGDH**.
2. Define the following interface values on the **General** tab.

**Table 3-1: Interface and Values**

Interface	Value
System Name	OGDH
Communication Name	OGDH
Service Type	PMS/SIM
Communications Type	TCP/IP
Timeout	210
ISL Script Name	pms7

**Figure 3-1: Adding an interface – 1**

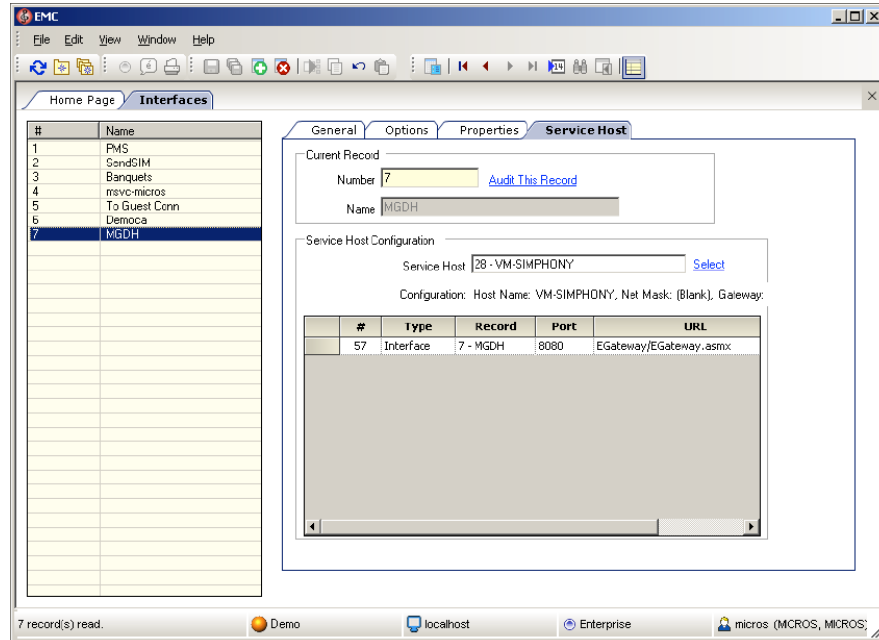


3. Click the **Options** tab, and then select **Use 19 Digit Reference Entry for PMS Inquires**.



4. Click the **Properties** tab, and then select the property that processes the credit and debit transactions for OPI to activate it.
5. Click the **Service Host** tab, and then select the server to host the OGDH interface.

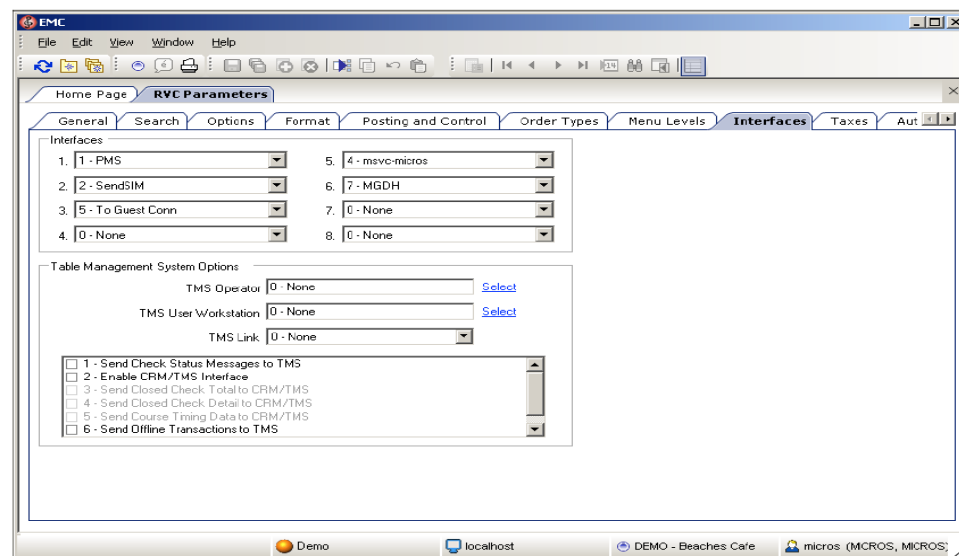
Figure 3-2: Adding an interface - 2



## Configuring the RVC

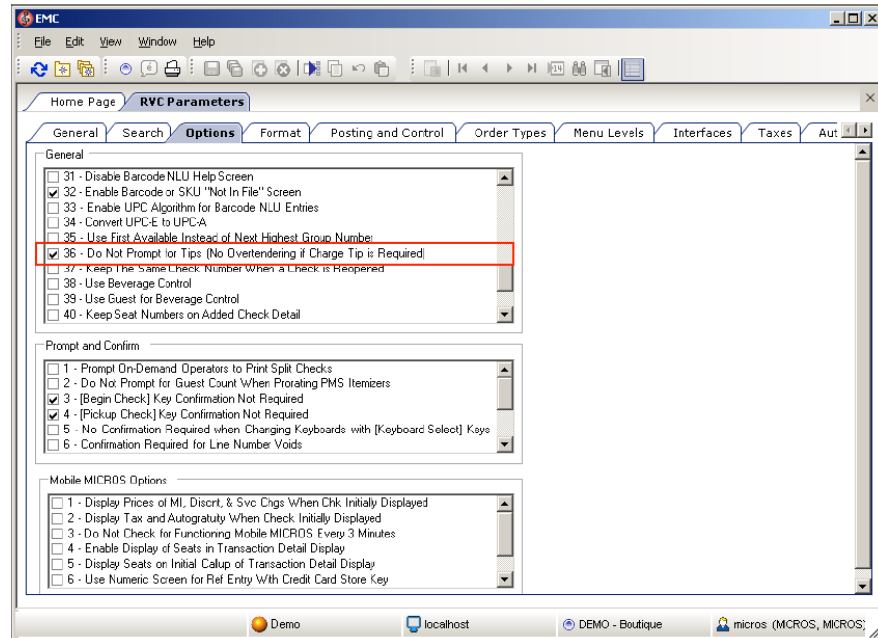
1. Link the interface for the OGDH to each RVC.

Figure 3-3: Configuring the RVC - 1



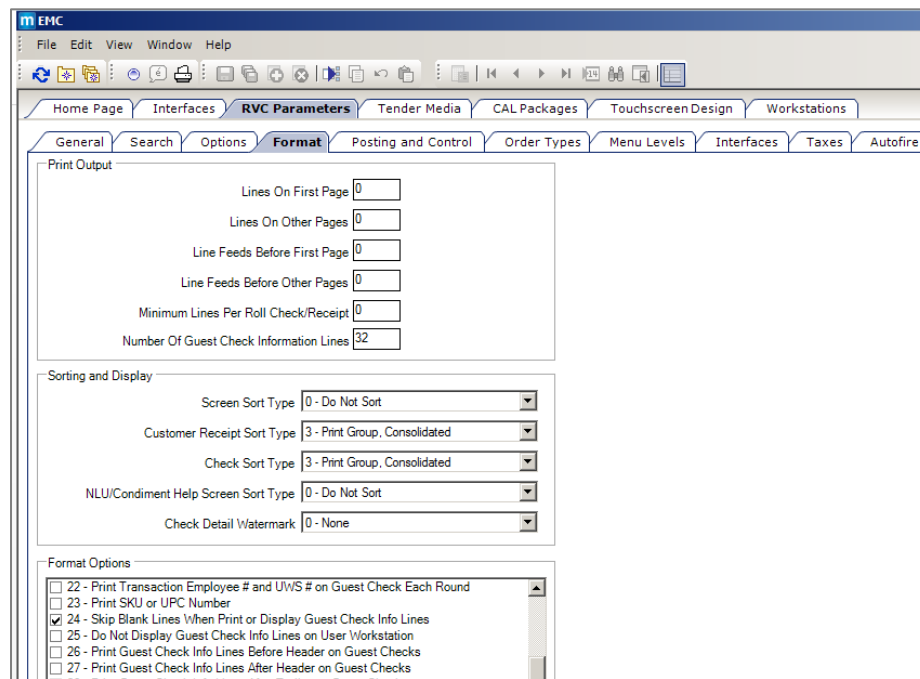
2. If the RVC uses QSR mode, then activate the following options. If using the TSR mode, do not activate these options.
  - Do Not Prompt for Tips (No Overtendering if Charge Tip is Required)

Figure 3-4: Configuring the RVC – 2



3. On the **Format** tab, configure and enable the following options for the TSR RVC.
  - Enter 32 for the **Number of Guest Check Information Lines**.
  - Select **Skip Blank Lines When Print or Display Guest Check Info Lines**.

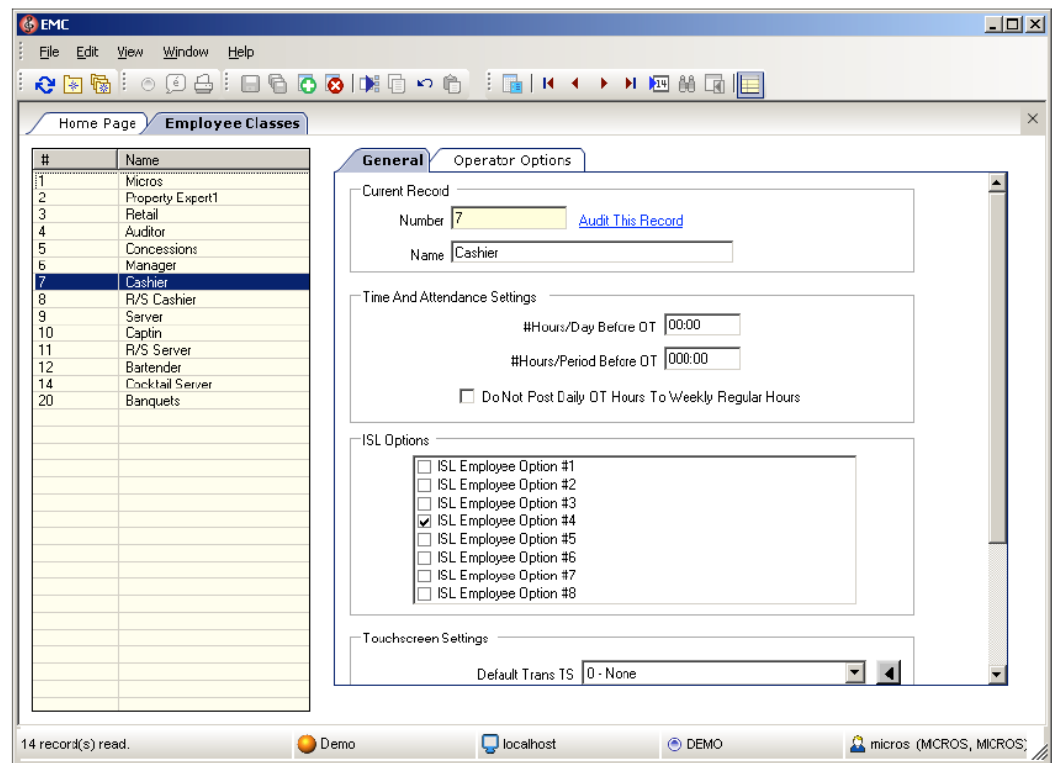
Figure 3-5: Configuring the RVC - 3



## Configuring the Employees

1. Select the **Employee Maintenance** tab, and then select the **Cashier** option.
2. Select the check box to activate the **ISL Employee Option #4** option to define the employee class that can process the refund.

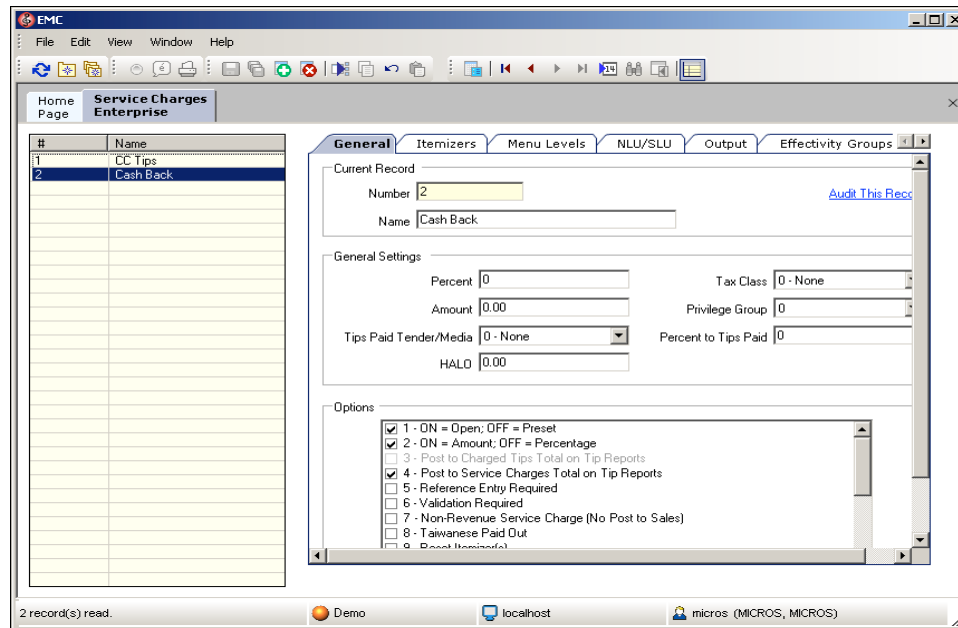
Figure 3-6: Configuring the Employees



## Configuring Service Charges

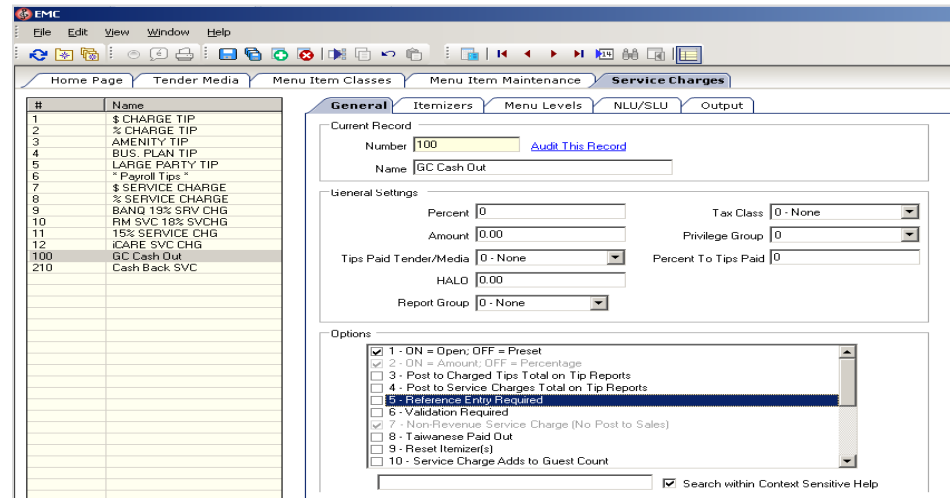
1. If the merchant uses the cash back option, then you can add a new **Cashback** service charge. For the Service Charge for OPI tenders, use the same option as the open amount service charge. If merchant doesn't activate the **SaleCash** function, then skip this step.

Figure 3-7: Configuring Service Charges - 1



2. If the merchant uses the GC cashout option, then you can add a new GC cashout service charge. If merchant doesn't activate the GC cashout function, then skip this step.

Figure 3-8: Configuring Service Charges - 2

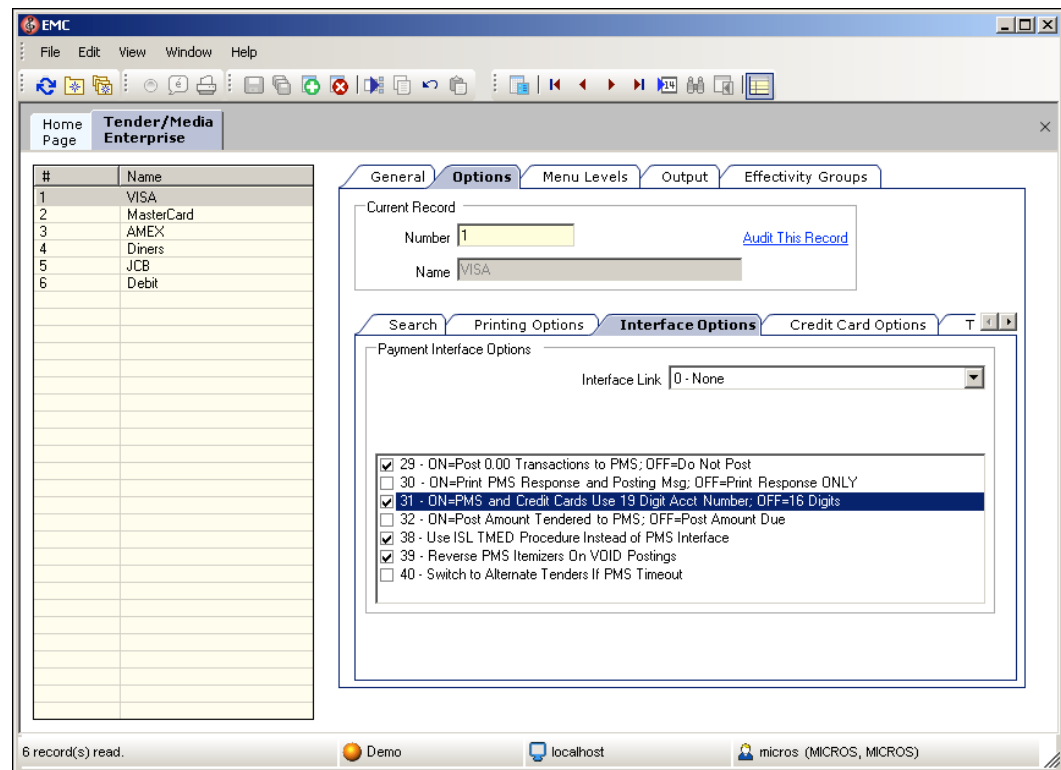


## Configuring Tender Options

Configure the following options for the credit/debit tenders.

1. Select the **Options** tab, and then select the category **Interface Options**.
2. Select the **PMS and Credit Card use 19 Digit Acct Number** option.

Figure 3-9: Configuring Tender Options - 1



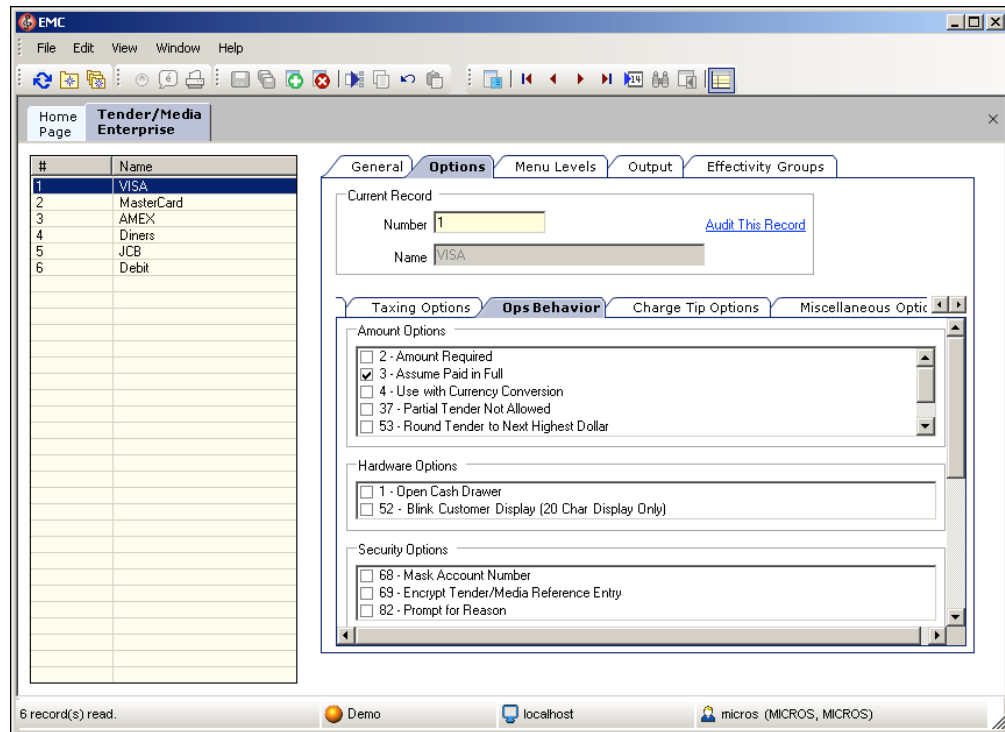
To configure the credit card options:

1. Go to the **Options** tab and select **Credit Card Options**.
2. Deactivate all options and remove the floor limit/preambles list.
3. Enable the **No Credit Card Length Check** option.

To configure the Ops options:

1. Go to the **Options** tab, select **Ops Behavior**, and activate the following options:
  - Assume Paid in Full
  - Reference Entry Required
2. Deactivate the following options:
  - Mask Account Number
  - Encrypt Tender/Media Reference Entry
3. Link the tender to **Service Charge** for TSR environments.
4. Add the debit tender option the same way you would for normal credit card tenders.
5. Add a new tender **SaleCash** option the same way as a normal credit card tender. This is only available for QSR. Skip this step if the merchant does not activate the **SaleCash** function.
6. Add a new tender **Gift Card** option the same way as a normal credit card tender. Skip this step if the merchant does not activate the **Gift Card** function.

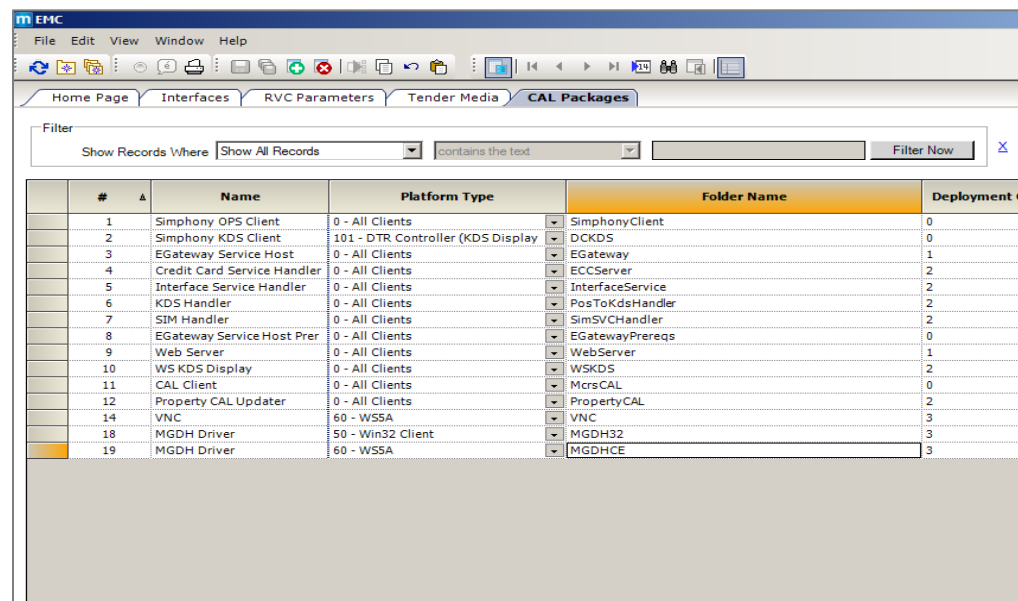
Figure 3-10: Configuring Tender Options - 2



## Configuring a CAL Package

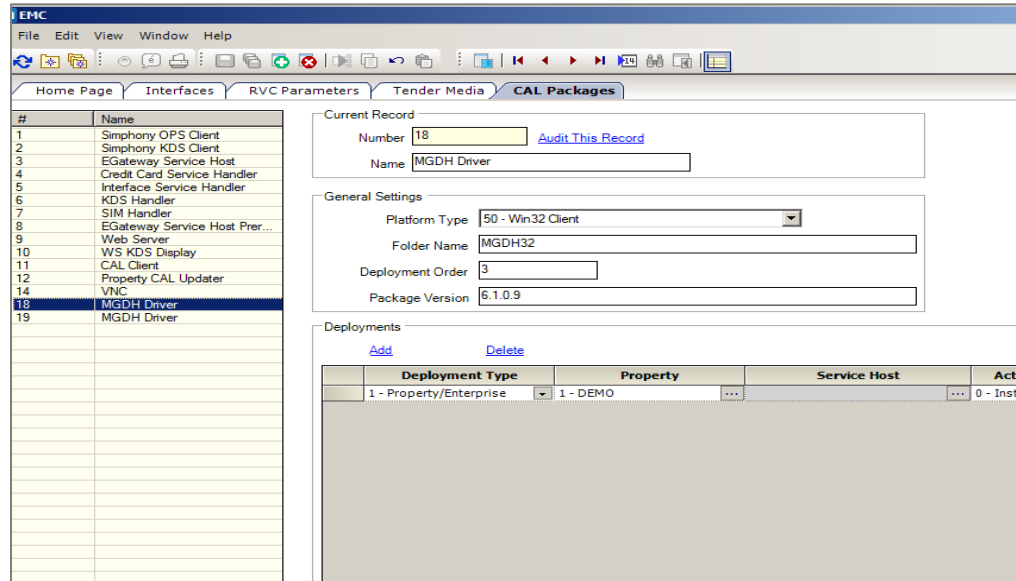
1. Add a new CAL package for the Microsoft Win32 and Microsoft WinCE clients.

Figure 3-11: Configuring a CAL Package



2. Add deployments, as shown in the following screen shot.

**Figure 3-12: Adding Deployments**



## Designing the Touch Screen

Before beginning, you must first consult with the Oracle Consulting Team. If required, you can then add the following buttons to the payment screen. The key type is Function and you can link to the interface OGDH.

**Table 3-2: TSR Payment Screen**

Field	Value
CC PAY	SIM INQ #2
CC REFUND	SIM INQ #4
CC AUTH	SIM INQ #8
CC FINAL	SIM INQ #9
TAB AUTH	SIM INQ #12
BALANCE INQUIRY	SIM INQ #14
CC REPRINT	SIM INQ #7
CC REPOST	SIM INQ #16
MANUAL AUTH	SIM INQ #15
REFUND MANUAL	SIM INQ #11
GC Function	SIM INQ #10
AUTH CNP	SIM INQ #20



**Table 3-3: QSR Payment Screen**

Field	Value
QSR SALE	SIM INQ #1
SALE CASH	SIM INQ #5
CC REFUND	SIM INQ #4
BALANCE INQUIRY	SIM INQ #14
CC REPRINT	SIM INQ #7
CC REPOST	SIM INQ #16
REFUND MANUAL	SIM INQ #11
SALE CNP	SIM INQ #6
GC Function	SIM INQ #10

OPI shares the VOID touchscreen key with the Symphony POS. Using the VOID key you can:

- Void the transaction
- Add Tips (for TSR only)

## Menu Item Configuration

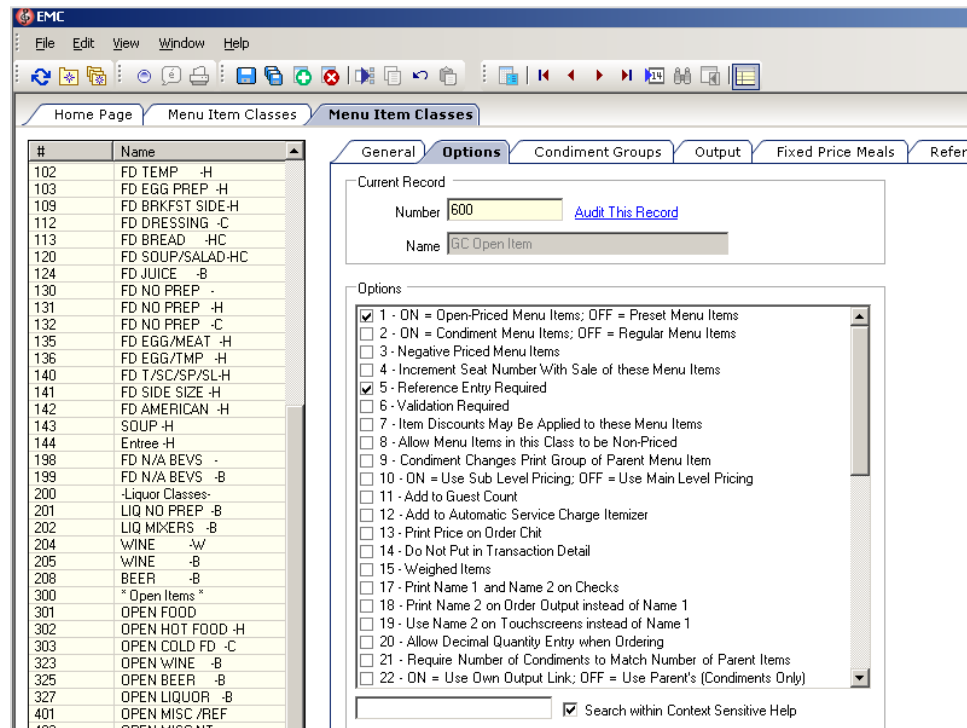
The two open menu items need to be created for Gift Card activate transaction and Gift Card reload transaction.

### **The menu item class -- "GC Open Item"**

Set up the following for the menu item class.

- Menu Item class name - "GC Open Item"
- reference required
- Open-priced Menu Items

**Figure 3-13: Menu item class --"GC Open Item"**



**The menu item -- "GC Activate"**

Set up the following for the menu item.

- Menu Item name - "GC Activate"
- Menu Item class - "GC Open Item"

**Figure 3-14: The menu item --"GC Activate"**

The screenshot shows the 'Menu Item Maintenance' window for 'Definition: 99100003:1 - GC\_Activate'. The 'Menu Item Master' section includes fields for Record Number (99100003), Name (GC\_Activate), Major Group (5 - Miscellaneous), Family Group (307 - Miscellaneous), Report Group (1), and Recipe Link (0 - None). A 'Production Items' list shows '1 - Breakfast' selected. The 'General' tab is active, showing 'Name and Class' (Number: 99100003, Def Sequence #: 1 of 1, First Name: GC\_Activate, Second Name: GC\_Activate, Menu Item Class: 600 - GC\_Open Item), 'Touchscreen Properties' (SLU: 0 - None, Mobile MICROS SLU: 0 - None, SLU Sort Priority: 0, Icon: None), and 'Menu Level Availability' (Main Level Link: 1- Regular, 2- Happy Hr, 3-, 4-, 5-, 6-, 7-, 8-; Sub Level Link: 1 - Brkfst, 2 - Lunch, 3 - Dinner, 4 - Overtime, 5-, 6-, 7-, 8-). There are also 'Number Lookup Properties' (NLU Group: 0 - None, NLU Number: 00000000000) and 'Availability/Out of Item Properties' (Out of Menu Item: ).

- Price - "0.00"

**Figure 3-15: Menu Item class - "GC Open Item"**

The screenshot shows the 'Menu Item Maintenance' window for 'Definition: 99100003:1 - GC\_Activate' with the 'Prices' tab selected. The 'Menu Item Master' section is the same as in Figure 3-14. The 'Prices' section shows a table with columns: Price, Prep Cost, Tax Class Override, Active On Level, Options, Price Group, and Recipe. The table contains one row with the following values: Price: 0.00, Prep Cost: 0.00, Tax Class Override: 0 - None, Active On Level: 0 - All Levels, Options: 00, Price Group: 0 - None, Recipe: 0 - None.

	Price	Prep Cost	Tax Class Override	Active On Level	Options	Price Group	Recipe
1	0.00	0.00	0 - None	0 - All Levels	00	0 - None	0 - None

**The menu item -- "GC Topup"**

Set up the following for the menu item "GC Topup", which is same as "GC Activate".

- Menu Item name - "GC Topup"
- Menu Item class - "GC Open Item"

Figure 3-16: Menu Item name -"GC Topup"

The screenshot shows the EMC Menu Item Maintenance window. The 'Menu Item Master' section contains the following fields:

- Record Number: 99100004
- Name: GC\_Topup
- Major Group: 5 - Miscellaneous
- Family Group: 307 - Miscellaneous
- Report Group: 1
- Recipe Link: 0 - None

The 'General' tab is active, showing:

- Def Sequence #: 1 of 1
- First Name: GC\_Topup
- Menu Item Class: 500 - GC Open Item
- SLU: 0 - None
- Mobile MICROS SLU: 0 - None
- SLU Sort Priority: 0
- Icon: None
- NLU Group: 0 - None
- NLU Number: 000000000000
- Surcharge: 0.0000

The 'Prices' tab is also visible, showing a table with one row:

Price	Prep Cost	Tax Class Override	Active On Level	Options	Price Group
0.00	0.00	0 - None	0 - All Levels	00	0 - None

- Price - "0.00"

Figure 3-17: Menu Item class -"GC Open Item"

The screenshot shows the EMC Menu Item Maintenance window, similar to Figure 3-16. The 'Menu Item Master' section contains the following fields:

- Record Number: 99100004
- Name: GC\_Topup
- Major Group: 5 - Miscellaneous
- Family Group: 307 - Miscellaneous
- Report Group: 1
- Recipe Link: 0 - None

The 'General' tab is active, showing:

- Def Sequence #: 1 of 1
- First Name: GC\_Topup
- Menu Item Class: 500 - GC Open Item
- SLU: 0 - None
- Mobile MICROS SLU: 0 - None
- SLU Sort Priority: 0
- Icon: None
- NLU Group: 0 - None
- NLU Number: 000000000000
- Surcharge: 0.0000

The 'Prices' tab is active, showing a table with one row:

Price	Prep Cost	Tax Class Override	Active On Level	Options	Price Group
0.00	0.00	0 - None	0 - All Levels	00	0 - None

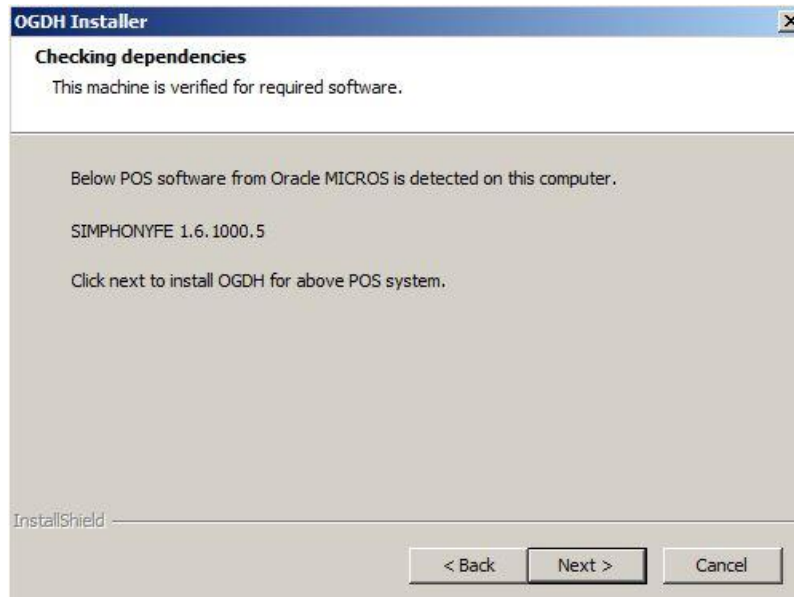
# 4

## OGDH Driver Installation

### Installing OGDH on the Symphony Server

1. In Microsoft Windows, log in as an administrator, and then run the `OGDH_OPI_19.1.0.0.exe` file.
2. Click **Next**.
3. A Welcome screen displays. Click **Next**.
4. A Checking dependencies screen displays. Click **Next**.

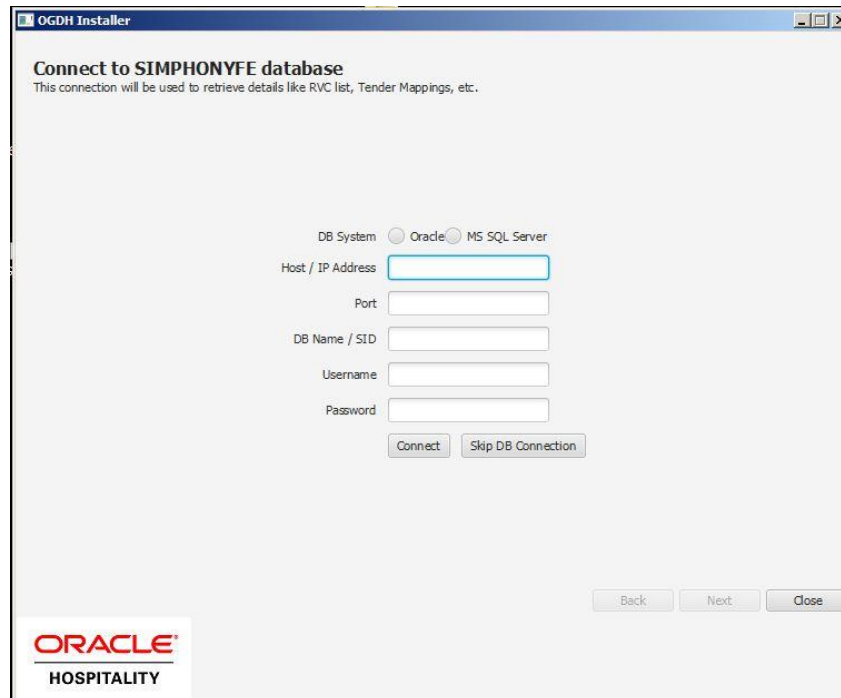
Figure 4-1: OGDH Installer



5. Select the install location, and then click **Next**.
6. On the **Ready to Install the OGDH** screen, click **Install**.
7. On the **Connect to Symphony database** screen, click **Connect** or **Skip DB Connection**.

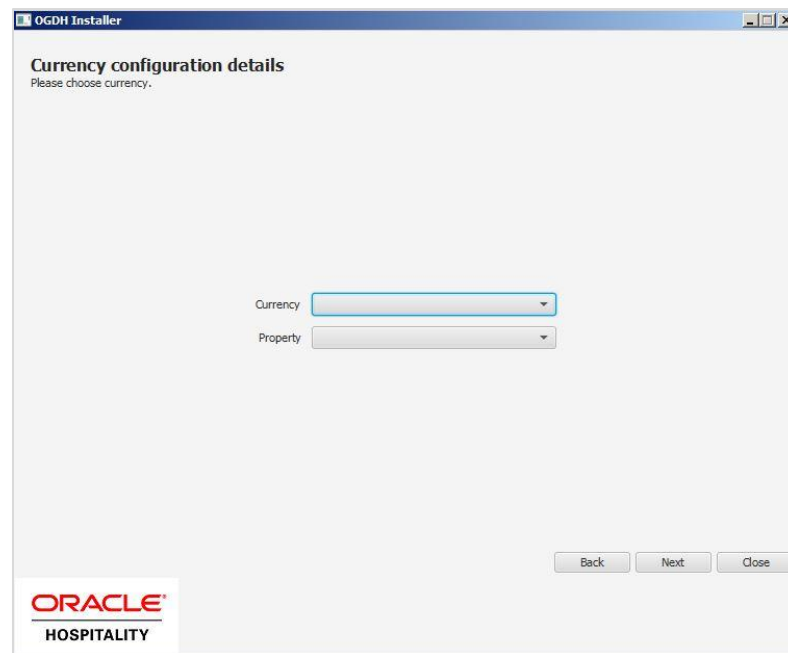
If you connect to **Simphony** database you need to select the DB type, enter the Host or IP address, Port, DB name/SID, Username and Password.

**Figure 4-2: Symphony database screen**



8. Select a **currency** and property from the drop box. Click **Next**.

**Figure 4-3: Currency configuration details**



9. In Configuration details for property, set the Device Merchant ID, Mode, Receipt Header/Trailer for each Revenue center

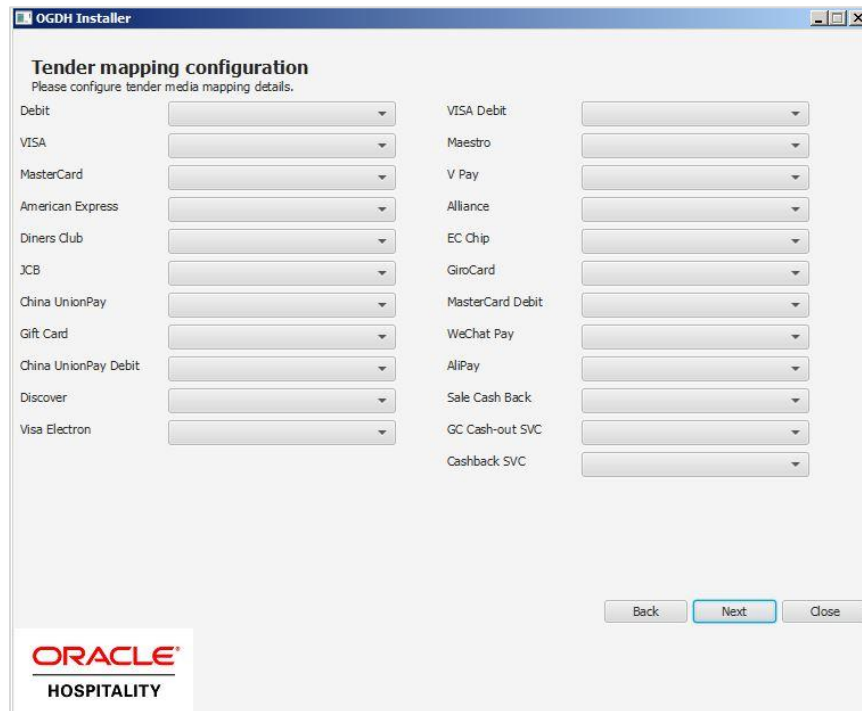
**Figure 4-4: Configuration details for property**

RVC ID	RVC Name	Device Merchant ID	Mode	Receipt Header/Trailer
1	Beaches Cafe	<input type="text"/>	TSR ▾	Create
2	Room Service	<input type="text"/>	TSR ▾	Create
3	Banquets	<input type="text"/>	TSR ▾	Create
4	Palm Bistro	<input type="text"/>	TSR ▾	Create
5	Boutique	<input type="text"/>	TSR ▾	Create

**Figure 4-5: Creating receipt header**

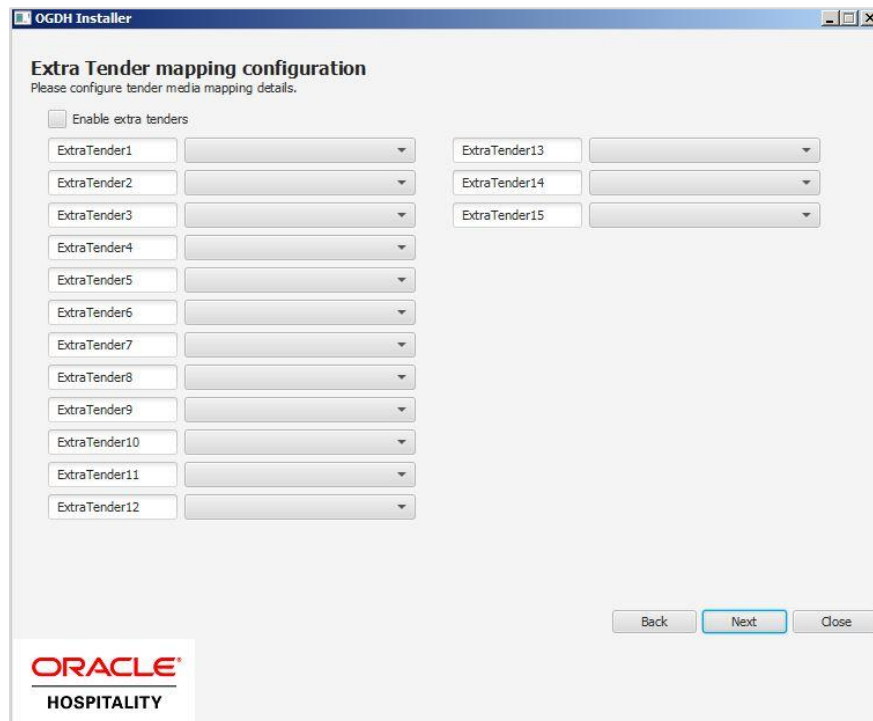
- For header, do not exceed 6 lines. Each line should not exceed 33 letters or special characters.
  - For trailer, do not exceed 12 lines. Each line should not exceed 33 letters or special characters.
10. In Tender mapping configuration, link the correct tender number for each tender. Leave unused tenders blank.

Figure 4-6: Tender mapping configuration



11. In Extra Tender mapping configuration, if you need use extra tenders, Please enable extra tender and link the correct tender number for each tender. Leave unused tenders blank.

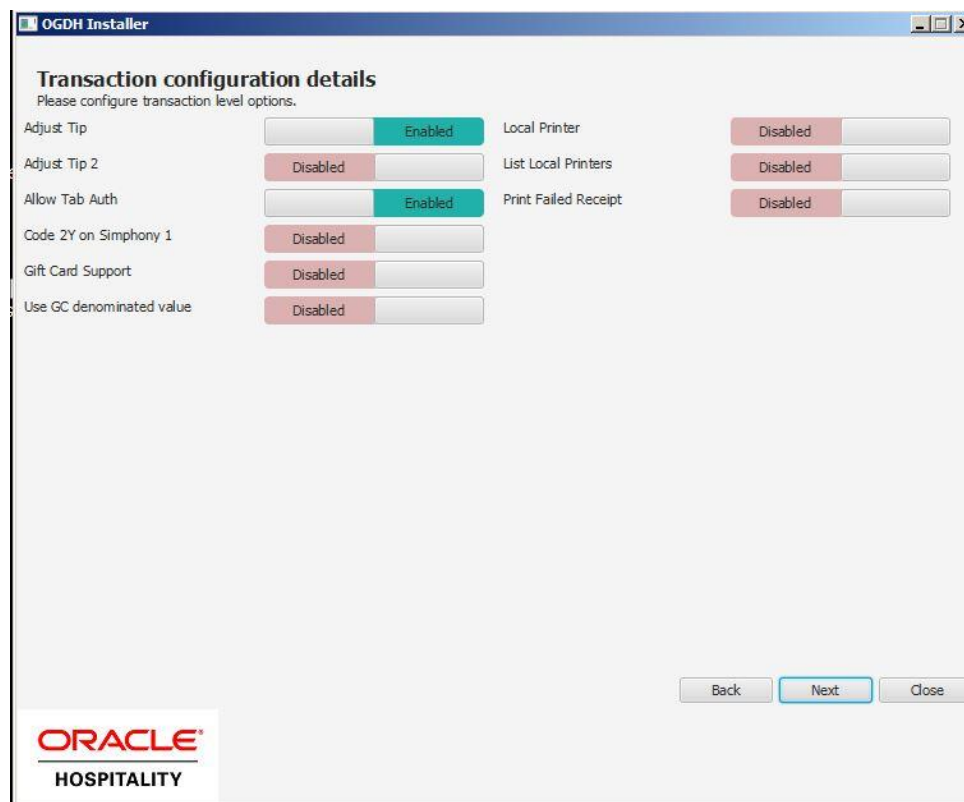
Figure 4-7: Extra Tender mapping configuration





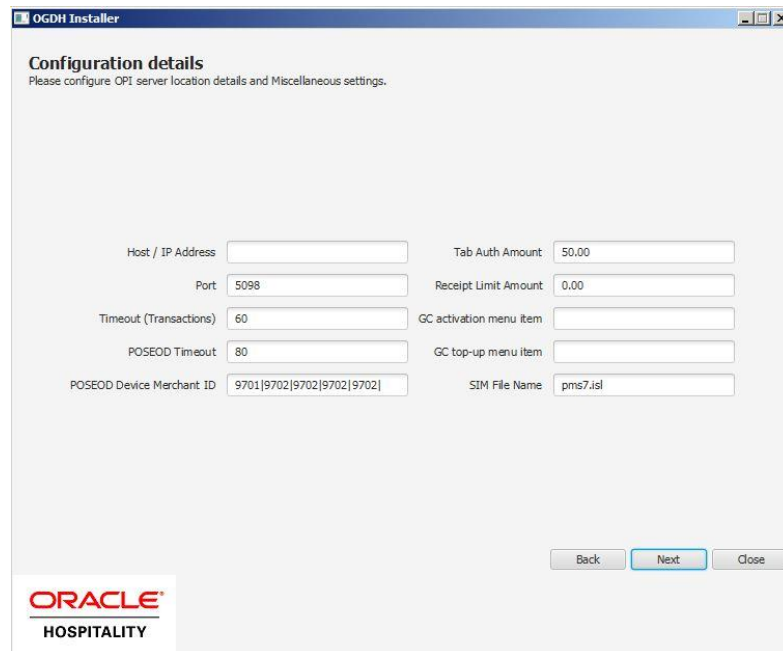
- In Transaction configuration details, select the options required for the merchant, and then click **Next**.

**Figure 4-8: Transaction configuration details**



- **Adjust Tip:** Enable to allow the ability to adjust tip amount.
  - **Adjust Tip 2:** Enable if you need to adjust tip for a transaction that already includes tip.
  - **Allow Tab Auth:** Enable if initial authorizations are allowed.
  - **Code 2Y on Symphony 1:** Enable if you need specify SymphonyV1 as 2Y.
  - **Gift Card Support:** Enable if gift cards will be sold.
  - **Use GC denominated value:** Enable to determine gift card amount from customer card.
  - If disabled, the POS asks the cashier to input the amount of gift card when activated.
  - If cashier input amount is 0.0, the amount of the gift card will from customer.
  - **Local Printer:** Enable Local Printer
  - **List Local Printer:** List Local Printer
  - **Print Failed Receipt:** Enable if vouchers should print when a card is declined.
- In Configuration details, enter all required values.

**Figure 4-9: Configuration details**



- **Host / IP Address:** Enter IP address of the OPI server PC.
  - **Port:** Port used to communicate to OPI.
  - **Tab Auth Amount:** Initial authorizations will default to this preset amount.
  - **Receipt Limit Amount:** Enter the amount, below which vouchers should not print.
  - **GC activation menu item:** Enter the GC activation menu item.
  - **GC top-up menu item:** Enter GC top-up menu item.
  - **POSEOD Device Merchant Id:** Make sure there are no duplicate merchant IDs.
14. Click **Next**.
  15. Click **Save** on the OPI Service Configuration screen.

## Point-of-Sale (POS) End-of-Day (EOD)

You can use the Microsoft Windows Task Scheduler to run the OPI POSEOD using the following configuration details.

**Table 4-1: Microsoft Windows Task Scheduler configuration details**

Temporary	Table
Name	OPI POSEOD
Description	Generates the OPI transaction report
Trigger	Daily
Action	Start a program

<b>Temporary</b>	<b>Table</b>
Program/script	Browse to find <code>POSEOD.exe</code> in OGDHDriver directory
Add arguments(optional)	the upper level of the <code>POSEOD.exe</code> path
Start in (optional)	The upper level of the <code>POSEOD.exe</code> path

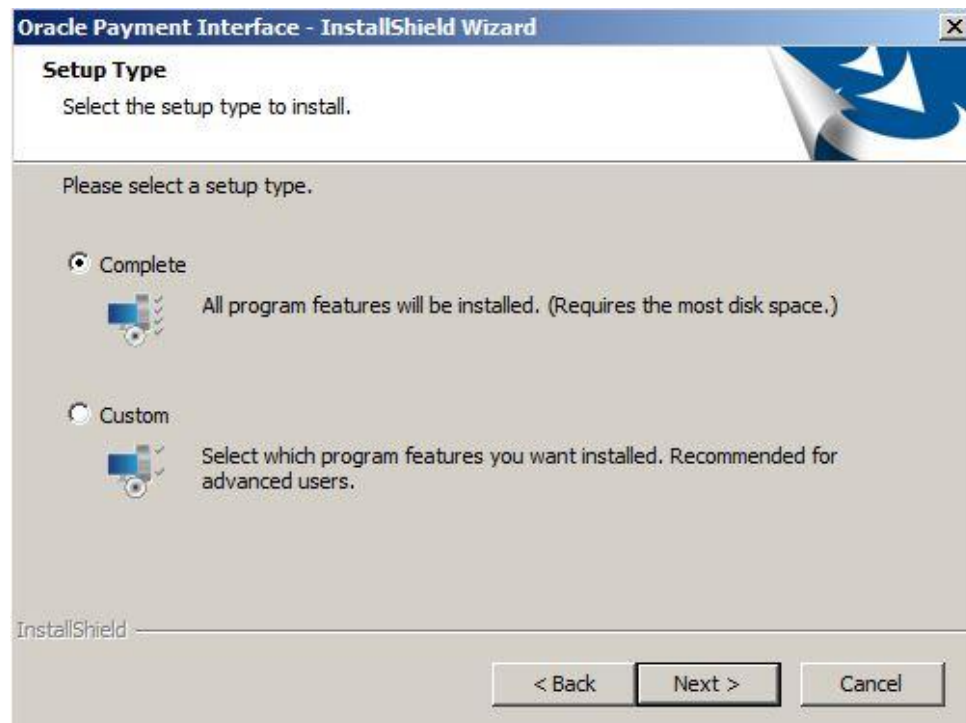
For more information on how to setup the Microsoft Windows Task scheduler visit the Microsoft website at the following URL: <http://www.microsoft.com>

# 5

## Installing the OPI

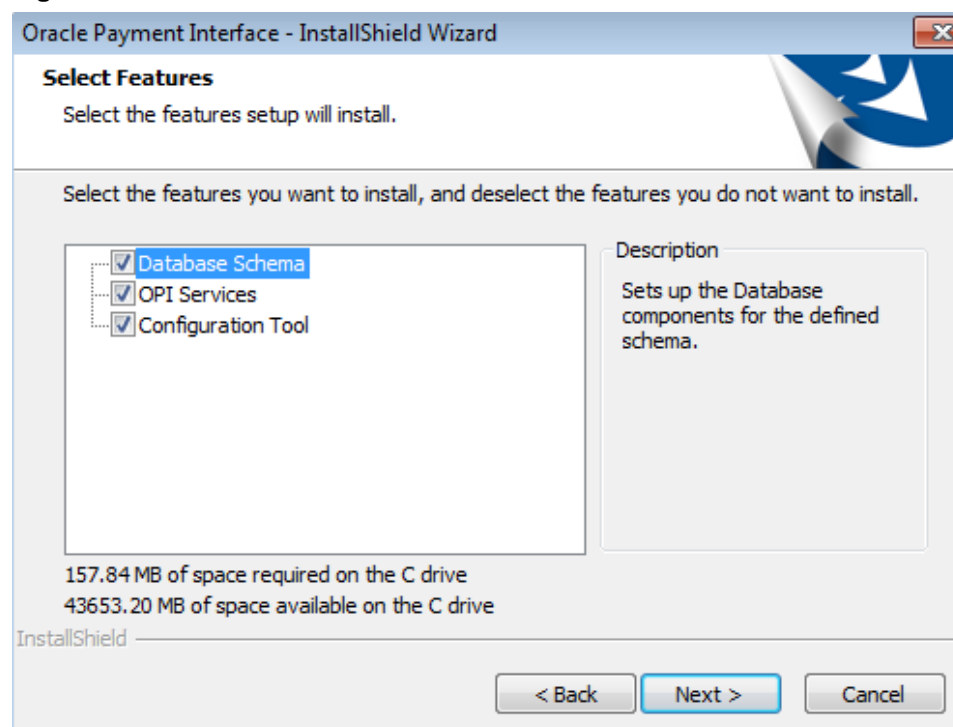
1. Copy **OraclePaymentInterfaceInstaller\_19.1.0.0.exe** to the Server and double-click it to launch the install.
2. Select your language, and then click **OK**.
3. Click **Next** on the Welcome to the InstallShield Wizard for Oracle Payment Interface screen.
4. Click **Next** on the OPI Prerequisites screen.

**Figure 5-1: Setup Type**



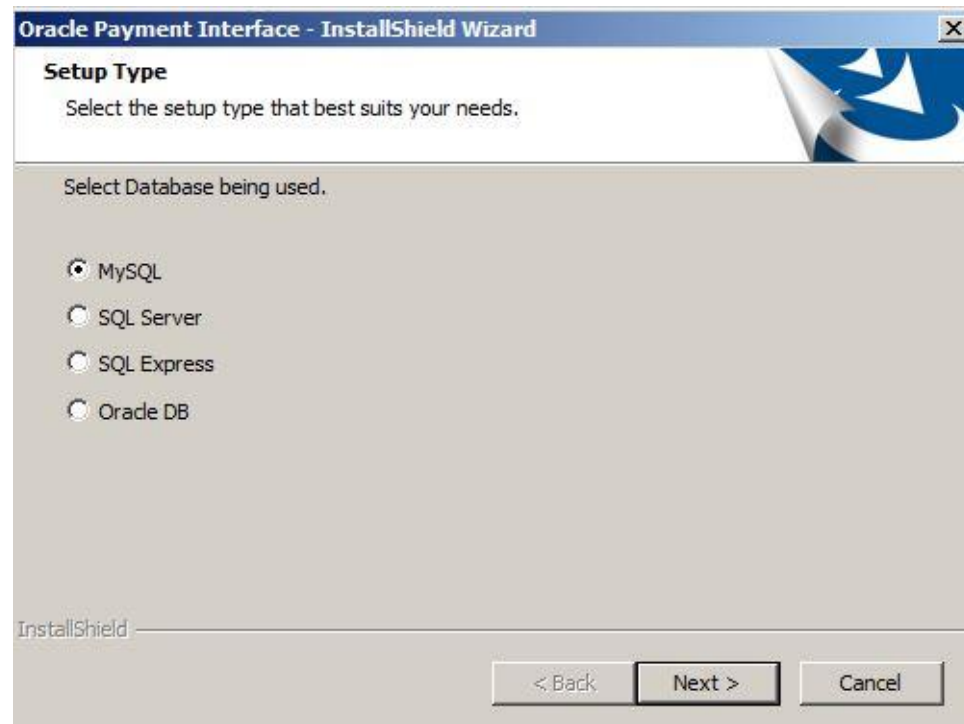
- The Setup Type screen appears.
    - Complete: All program features will be installed.
    - Custom: Select which program features you want installed. Recommended for advanced users only.
5. Make a selection, and then click **Next**.

**Figure 5-2: Select Features**



- If you selected the Custom install option, the Select Features screen appears with the following options:
  - Database Schema
  - OPI Services
  - Configuration ToolAll three of these features must be installed. It is just a matter of whether they are all installed on the same computer or on separate computers.
- 6. Select the features to install on this computer, and then click **Next**.  
The Choose Destination Location screen appears.
- 7. Accept the default installation location or click Change... to choose a different location, and then click **Next**.
- 8. Click **Install** on the Ready to Install the Program screen.  
The Setup Status screen displays for a few minutes.
- 9. The Setup Type screen appears.

**Figure 5-3: Select Database**



10. Select the database type being used, and then click **Next**.

 **NOTE:**

OPI does not install a database, so the database must already be installed.

**Figure 5-4: Database Server**

Oracle Payment Interface - InstallShield Wizard

**Database Server**

Enter the Database Server Name or IP.  
Enter the Port Number.

Name/IP: localhost

Port #: 3306

InstallShield

< Back   Next >   Cancel

The Database Server screen appears.

**Name/IP:** field defaults to localhost. This should be left as localhost if the OPI database is installed on the same computer. If the database is installed on another computer, the Name or IP address of that machine should be entered here.

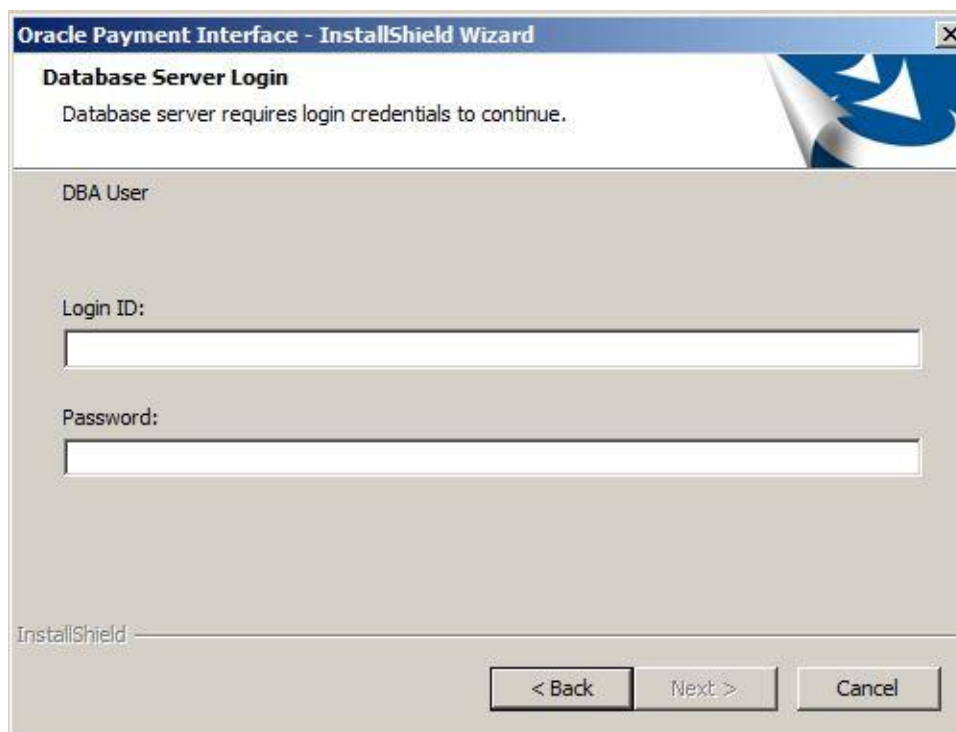
 **NOTE:**

If the database type is MySQL, and you cannot use localhost for the Name/IP field, then some commands must be run manually on that MySQL database before proceeding. See MySQL Grant Permission in the *OPI Installation and Reference Guide* for instructions. Setup will not complete if this is not done.

11. Accept the default Port # of 3306 (for MySQL), and then click **Next**.

The Database Server Login screen appears.

**Figure 5-5: Database Server Login**



12. Enter the credentials for the DBA user of the database type selected, and then click **Next**.

- For MySQL the Login ID: = root
- For other database types the DBA user name/Login ID may be different.
- Enter the correct password for the DBA user.

The Database User Credentials screen appears.



Figure 5-6: Database User Credentials

Oracle Payment Interface - InstallShield Wizard

### Database User Credentials

Enter the user name and password to create a new database user account that will be used by the Oracle Payment Interface application.  
Password is case sensitive, should be at least 8 characters in length and must have at least one upper case letter, one lower case letter, one number and one special character from the following list: !@#%&^&\*

User Name:

Password:

Confirm Password:

InstallShield

< Back    Next >    Cancel

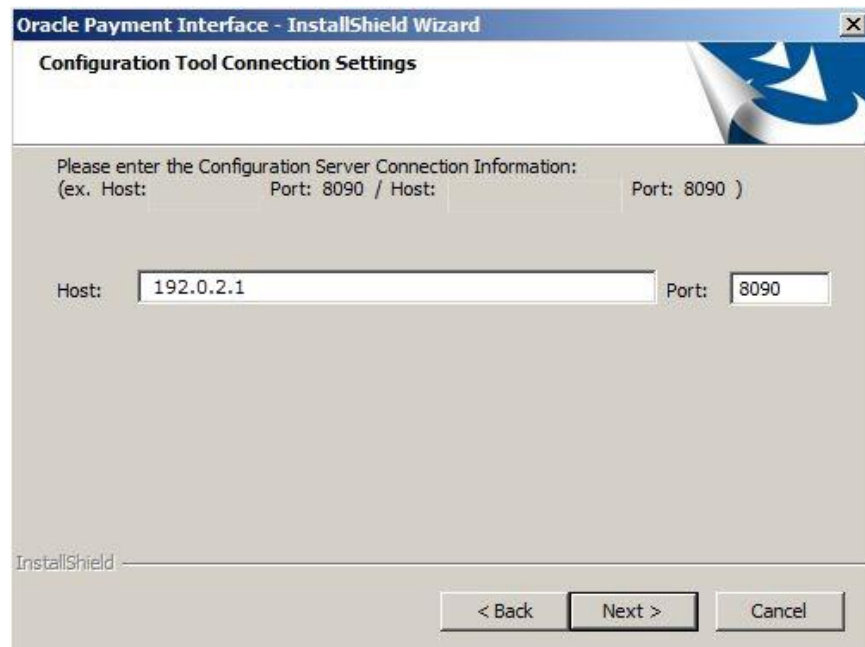
- **User Name:** Create a new user.
  - **Password:** Create a password.
    - Password is case sensitive
    - Should be at least 8 characters in length
    - Must have at least one upper case letter, one lower case letter, one number and one special character from the following list: !@#%&^&\*
13. Confirm the password, and then click **Next**.
  14. Click **OK** on the Database connection successful dialog.
  15. Click **OK** on the Database Configuration operation successful dialog.  
The Configuration Tool Superuser Credentials screen appears.

**Figure 5-7: Superuser Credentials**

The screenshot shows a dialog box titled "Oracle Payment Interface - InstallShield Wizard" with a subtitle "Configuration Tool Superuser Credentials". The dialog contains the following text: "Enter the user name and password to create the super user account for the configuration tool. Password is case sensitive, should be at least 8 characters in length and must have at least one upper case letter, one lower case letter, one number and one special character from the following list: !@#\$\$%^&\*". Below this text are three input fields labeled "User Name:", "Password:", and "Confirm Password:". At the bottom of the dialog are three buttons: "< Back", "Next >", and "Cancel". The "InstallShield" logo is visible in the bottom left corner of the dialog.

- **User Name:** This can be any user name. It does not have to be a Windows account user.
  - **Password:** Create a password.
    - Password is case sensitive
    - Should be at least 8 characters in length
    - Must have at least one upper case letter, one lower case letter, one number and one special character from the following list: !@#\$\$%^&\*
16. Confirm the password, and then click **Next**.
17. Click **OK** on the Create SuperUser operation successful dialog.  
The Configuration Tool Connection Settings screen appears.

**Figure 5-8: Connection Settings**

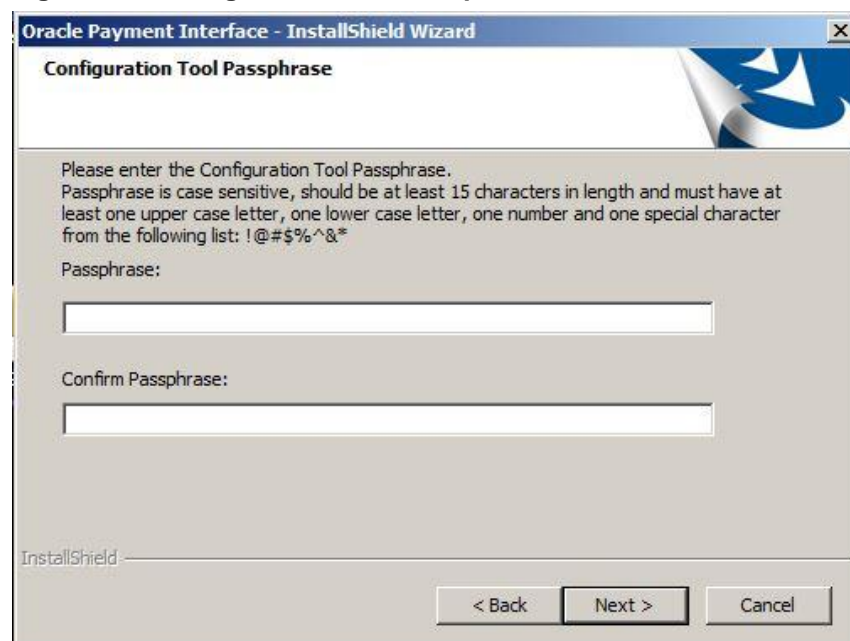


- Host: Enter the IP address or server name of the PC where the OPI Config Service is installed. This will be the PC where you selected "OPI Services" to be installed.
- Leave the default Port of 8090.

**18. Click Next.**

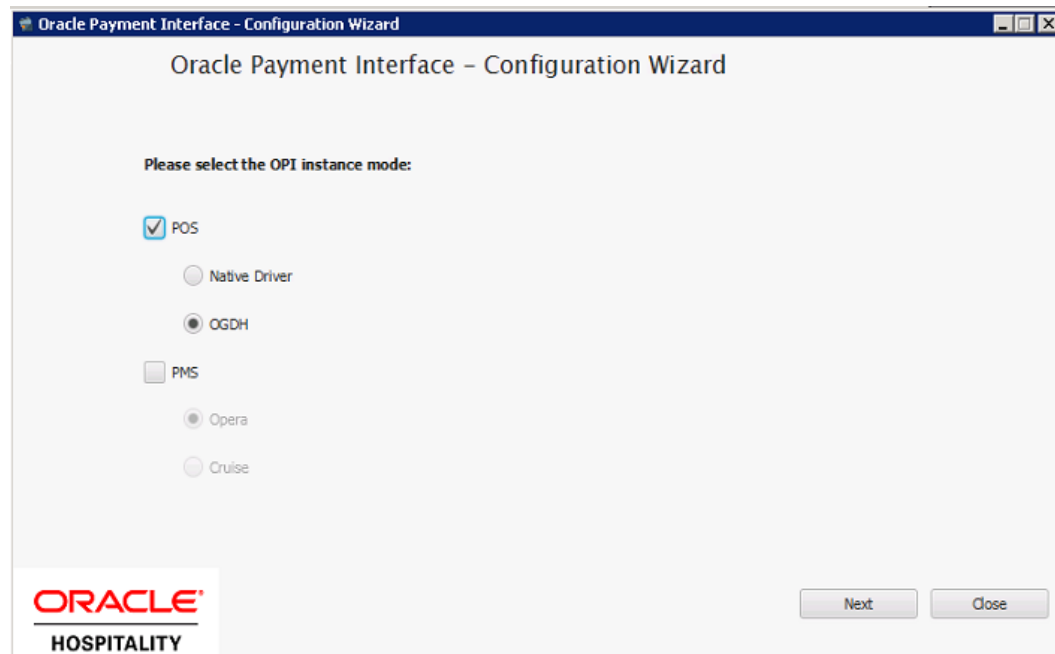
The Configuration Tool Passphrase screen appears.

**Figure 5-9: Configuration Tool Passphrase**



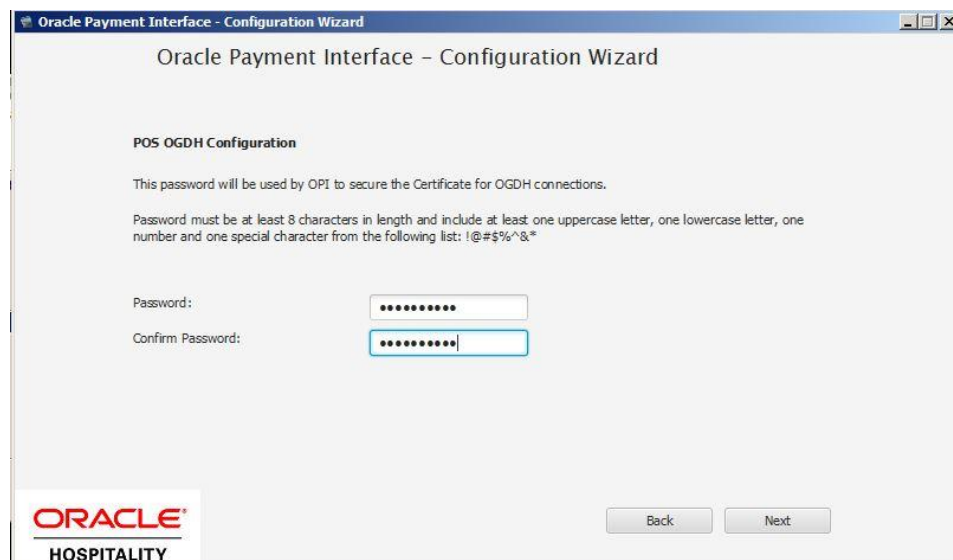
19. **Passphrase:** The passphrase is case sensitive, should be at least 15 characters in length and must have at least one upper case letter, one lower case letter, one number and one special character from the following list: !@#\$\$%^&\*
  20. Enter a passphrase, confirm it, and then click **Next**.
- After a brief pause, the Configuration Wizard launches.

**Figure 5-10: Configuration Wizard**



21. Select **POS**, Select **OGDH**, and then click **Next**.

**Figure 5-11: Configuration Wizard**



22. Enter and confirm the passphrase, and then click **Next**.

### 23. OPI Payment interface

- **Enable Mutual Authentication:** Enable this option only if the PSP has provided the certificates and passwords for it.
- **Private Key Cert. Password:** Enter the password and confirm it.
- **Root Certificate Password:** Enter the password and confirm it.
- **OPI Mode:** Select either Middleware or Terminal.
- **Middleware:** Fill in primary host connection information and the failover Host information (if provided).
- **Terminal:** Select correct Port.
- If using Mutual Authentication, see the *Mutual Authentication* section in the *Oracle Payment Interface Installation and Reference Guide*.

### 24. Add merchant and fill the field according Merchant information.

**Figure 5-12: Merchant information**

25. Complete the following Merchant Terminal Configuration fields:
  - Workstation ID: Enter the workstation number from the POS system.
  - Terminal IP: Enter the IP address of the pinpad device
26. Click **Next**. The POS Merchants screen appears.
27. Click **Close** to advance to final screen.

**Figure 5-13: Wizard Complete**

28. Click **Finish** to reboot.

If you cannot reboot immediately, you must stop and then start the OPI Service for current settings to take effect.

# 6

## Upgrading the OPI and OGDH

**VERY IMPORTANT:** Read and follow the upgrade directions.

**Note:** OPI 6.1 and higher can be upgraded to OPI 19.1.

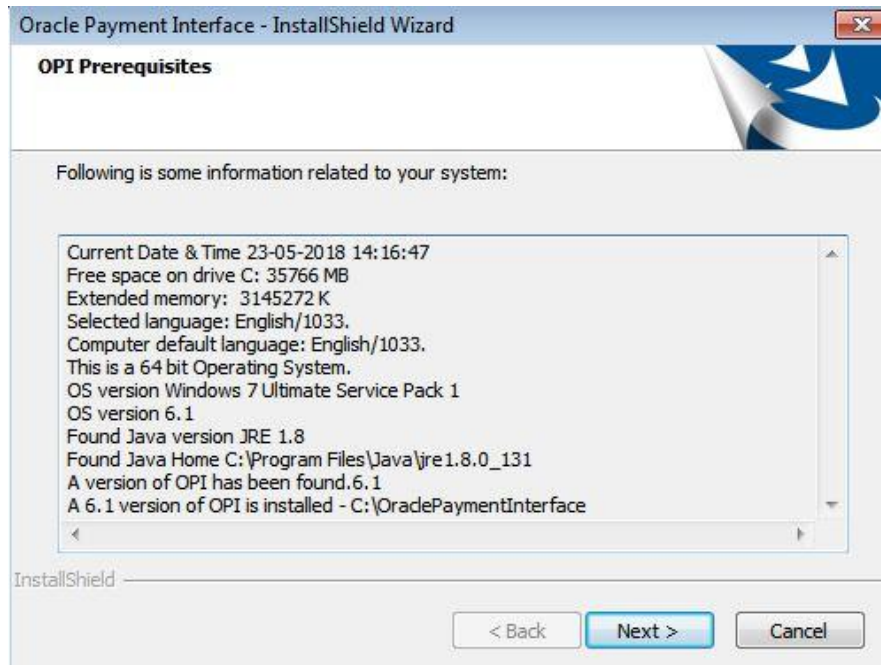
### OPI 6.1 to 19.1.0.0 Upgrade Steps

1. Right-click and Run as Administrator the **OraclePaymentInterfaceInstaller\_19.1.0.0.exe** file to perform an upgrade.
2. Select a language from the drop-down list, and then click **OK**.
3. Click **Next** on the Welcome screen to proceed with the installation.

Prerequisites for the installation will be checked, including the required free drive space, details of the host environment, and the Java version that is present.

4. Click **Next** on the OPI Prerequisites screen.

**Figure 6-1: OPI Prerequisites screen**



5. Click **OK** on the OPI Upgrade screen.

**Figure 6-2: OPI Upgrade screen**

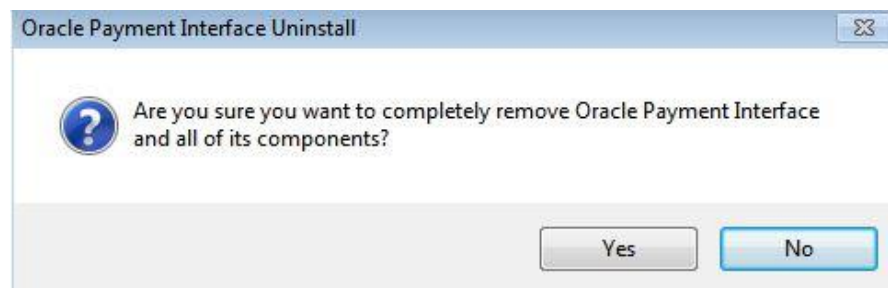


**6. WARNING!** You must click **Yes**.

If you click **No**, you will have both OPI 6.1 and OPI 19.1 installed and neither will work.

Explanation: OPI will migrate the existing MySQL configuration information, but all previous OPI applications will be removed before the new files are installed.

**Figure 6-3: Uninstall screen**



7. Choose a Destination Location. Accept the default installation location or click **Change...** to choose a different location and Click **Next**
8. The Ready to Install the Program screen displays and Click **Install**.

The Setup Status screen displays for a few minutes.

**Setup Type**

For database type, select **MySQL**. No other database type is supported for upgrades.

**Database Server**

Name/IP – The Hostname or IP Address used for communication to the MySQL database. This must be left at the default of localhost.

Port # – The Port number used for communication to the database

**Database Server Login**

DBA user

Login ID: root

Password: root user password for MySQL database.

**Database User Credentials**

User Name: This must be a new user name. It cannot be the same user from the 6.1 install.

Password: Password for the new database user.



### **Configuration Tool Superuser Credentials**

User Name: This can be any user name. It does not have to be a Windows account user.

Password: Create a password, and then confirm it.

### **Configuration Tool Connection Settings**

Host: Enter the IP address or server name of the PC where the OPI Config Service is installed. This will be the PC where you selected “OPI Services” to be installed.

Port: Leave at 8090.

### **Configuration Tool Passphrase**

Enter and confirm a passphrase.

Click **Next**.

The Configuration Wizard launches.

Continue to follow on-screen directions, verifying settings as you go.

### **POS Merchants**

On the Merchants screen, click the wrench icon to the right of the existing merchant.

Verify the merchant settings are correct.

### **InstallShield Wizard Complete**

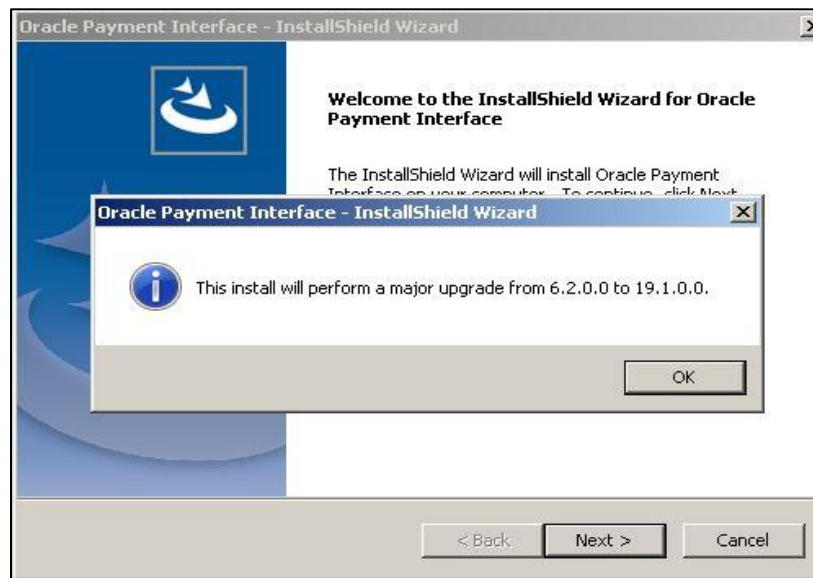
Click **Finish** to allow a reboot.

If you cannot immediately reboot, you must stop and then start the OPI Service for the current settings to take effect.

## OPI 6.2 to 19.1.0.0 Upgrade Steps

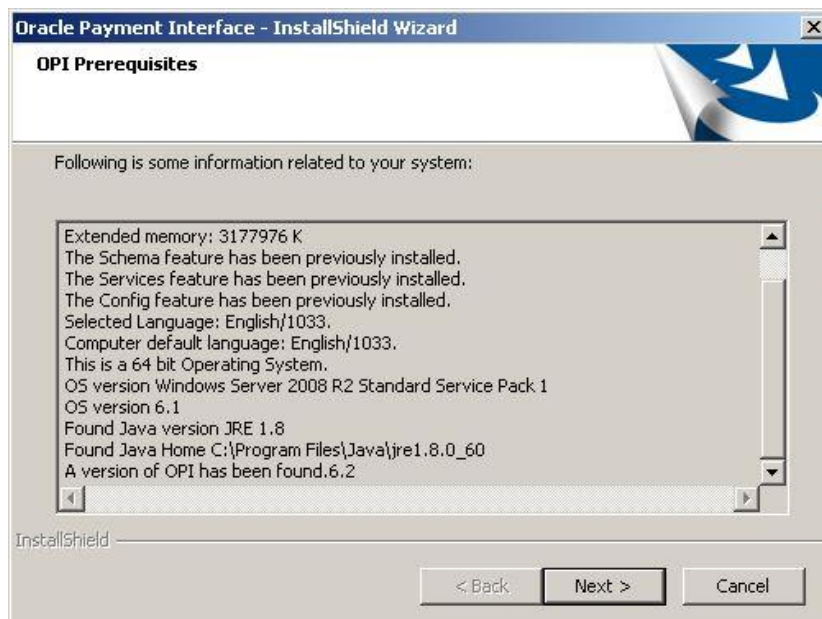
1. Right-click and Run as Administrator the **OraclePaymentInterfaceInstaller\_19.1.0.0.exe** file to perform an upgrade.
2. Select a language from the drop-down list, and then click **OK**.
3. Click **Next** on the Welcome screen to proceed with the installation. .

**Figure 6-4: Welcome screen**



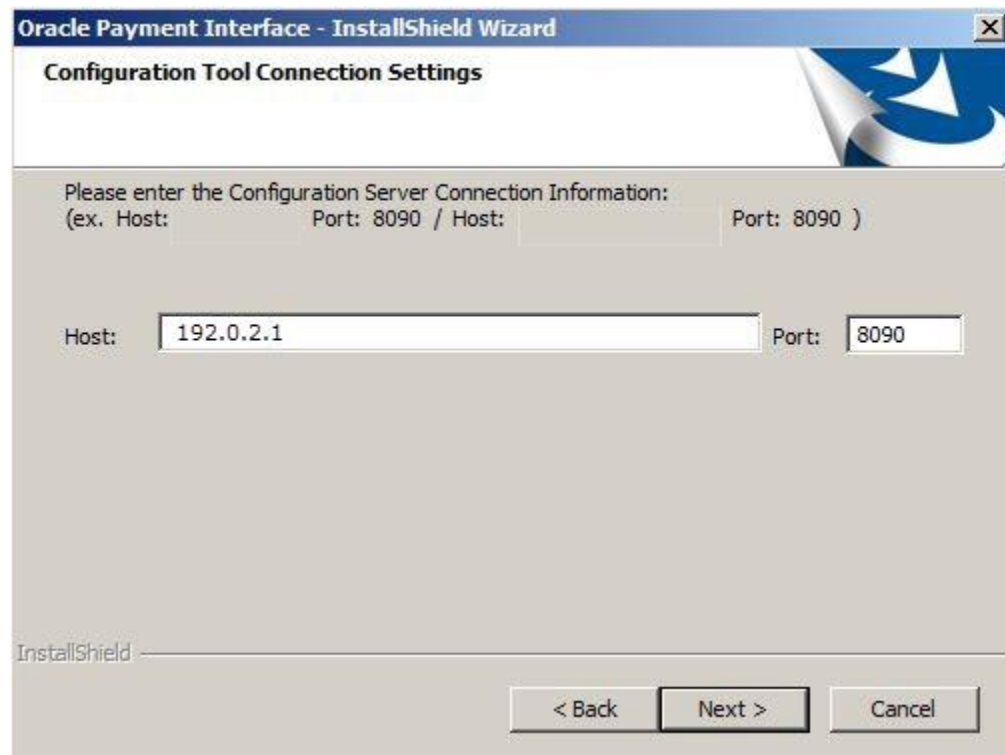
4. Click **Next** on the OPI Prerequisites screen.

**Figure 6-5: OPI Prerequisites screen**



5. Choose a Destination Location. Accept the default installation location or click **Change...** to choose a different location and Click **Next**.
6. Click **Install**. When The Ready to Install the Program screen displays.
7. Click **OK** when The Database upgrade operation was successful screen displays.
8. Enter the configuration Server connection information

Figure 6-6: Configuration Tools Connection Settings Screen



9. Click **Finish** to restart your computer.

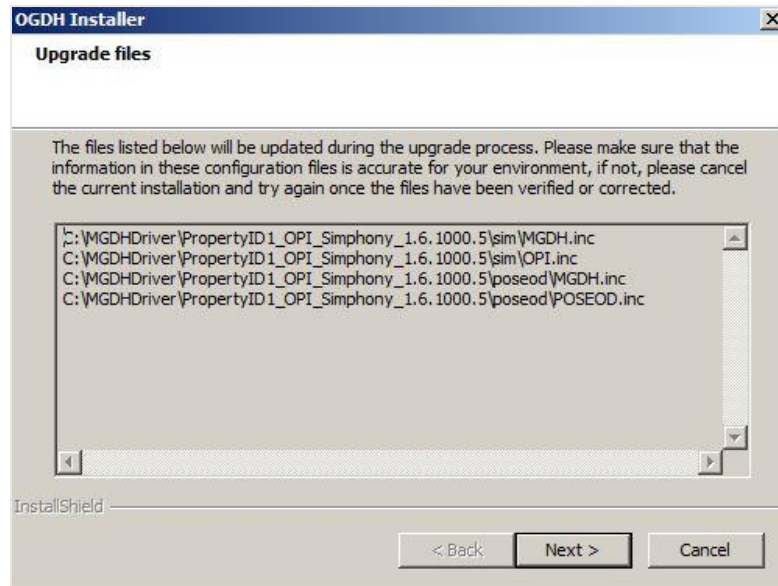
Figure 6-7: InstallShield Wizard Complete screen



## OGDH 6.1 to 19.1.0.0 Upgrade Steps

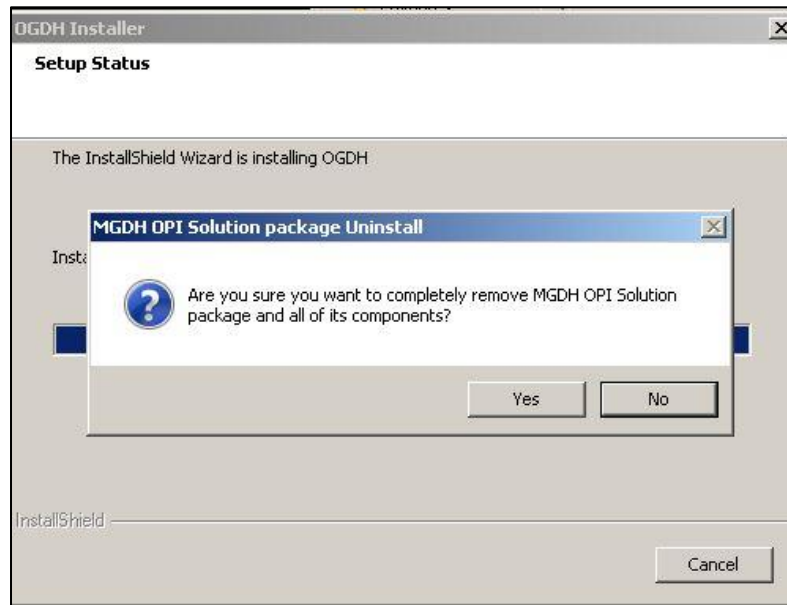
1. Right-click and Run as Administrator the **OGDH\_OPI\_19.1.0.0.exe** file to perform an upgrade.
2. Click **Next** on the Welcome screen to proceed with the installation.
3. Click **Next** on the Upgrade files screen.

**Figure 6-8: Upgrade Files screen**



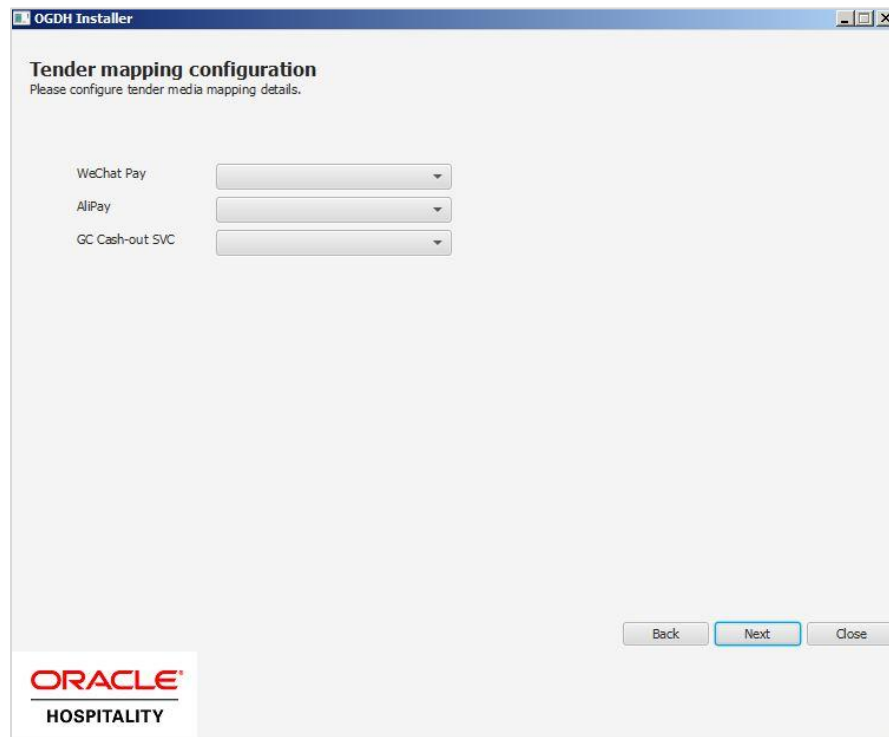
4. Choose a Destination Location. Accept the default installation location or click **Change...** to choose a different location.
5. Click **Install** to install OGDH.
6. Click **YES** to remove MGDH.

**Figure 6-9: Setup Status screen**



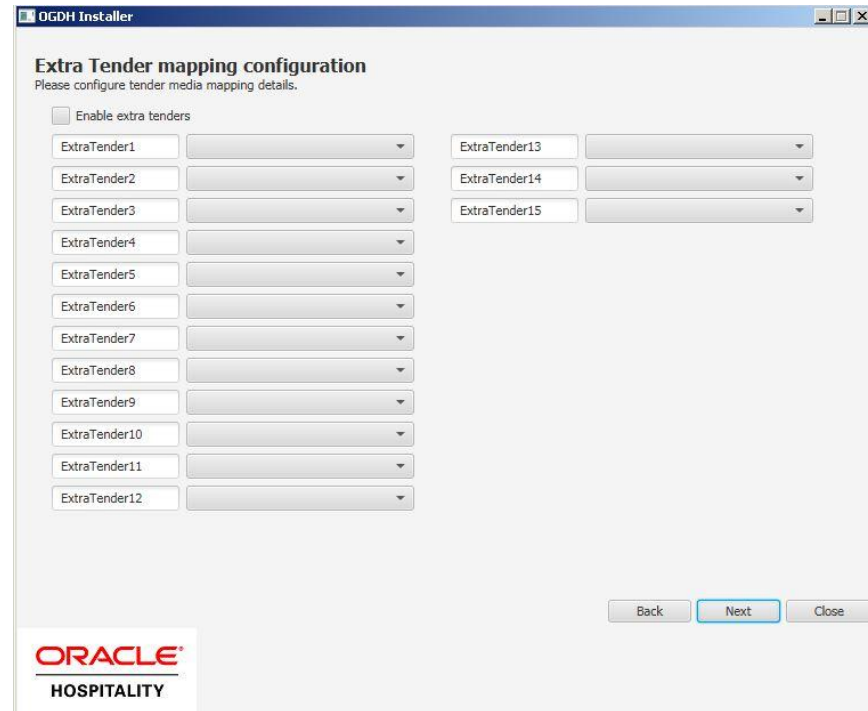
7. On the Connect to **SIMPHONYFE** database screen, click **Connect** or **Skip DB Connection**. If you connect to SIMPHONYFE database you need select the DB type, enter the Host or IP address, Port, DB name/SID, Username and Password.
8. In Tender mapping configuration, link the correct tender number for each tender. Leave unused tenders blank.

**Figure 6-10: Tender mapping configuration screen**



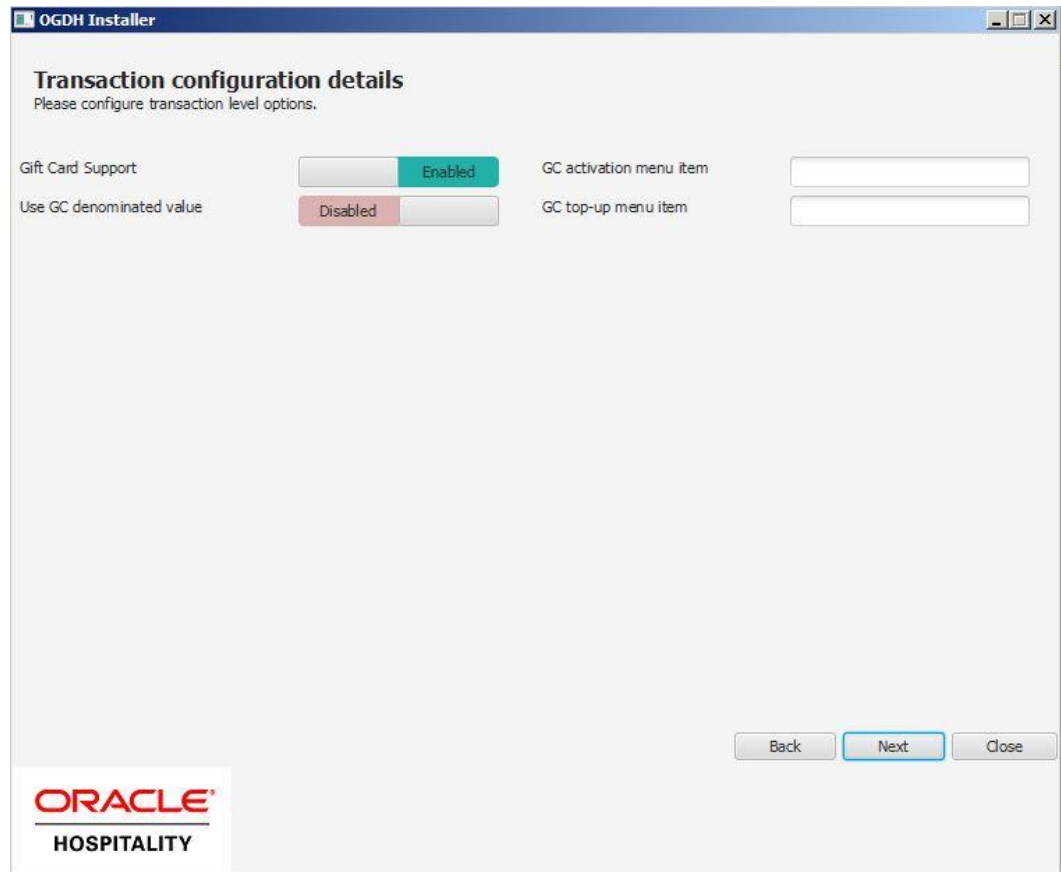
9. In Extra Tender mapping configuration, if you need use extra tenders, enable the extra tenders option, and link the correct tender number for each tender. Leave unused tenders blank.

**Figure 6-11: Extra Tender mapping configuration screen**



10. In Transaction configuration details, select the options required for the merchant, and then click **Next**.

**Figure 6-12: Transaction configuration details screen**



11. Click **Finish**.

**Figure 6-13: Update Complete screen**



## OGDH 6.2 to 19.1.0.0 Upgrade Steps

1. Right-click and Run as Administrator the **OGDH\_OPI\_19.1.0.0.exe** file to perform an upgrade.
2. Click **Next** on the Welcome screen to proceed with the installation.
3. Click **Finish**.

**Figure 6-14: Update Complete screen**





# 7

## Not Supported Functionality

Not supported with RES Native OPI solution:

- Gift Cards (SVC works as usual thru workstation. Not thru OPI or PED.)
- Balance Inquiry
- Void a refund (RES limitation)
- Debit (RES Native OPI)
- SaleCashBack (RES Native OPI)
- Backup OPI Server

Not supported with RES OGDH:

- Incremental Auth
- Void a Refund (RES limitation)
- CC voice / Manual entry in QSR revenue center
- Backup OPI Server
- Voiding the tender from a SaleCashBack transaction.

Not supported in the e7 Native OPI driver solution:

- Gift Cards
- Balance Inquiry
- Void a refund (e7)
- Debit (e7)
- SaleCashBack (e7)
- Multiple Revenue Centers (e7)
- Memo Tender (e7)
- CC Voice/Manual CC for QSR (offline sale)
- Backup OPI Server
- Backup server mode (e7)
- Pay@Table
- Transaction Void (e7)