Oracle® Payment Interface
Oracle Hospitality Simphony 2.9 Native Driver
Installation Guide
Release 6.1
E84591-01

January 2017

ORACLE®

Contents

Preface

This document describes how to install the Oracle Payment Interface (OPI) Release 6.1 with Oracle Hospitality Simphony Release 2.9 or higher and contains the configuration for both Simphony and the Oracle Payment Interface systems.

Audience

This document is intended for installers and system administrators of the Oracle Payment Interface and the Oracle Hospitality Simphony Point-of-Sale Release 2.9 or higher.

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

Oracle Hospitality product documentation is available on the Oracle Help Center at http://docs.oracle.com/en/industries/hospitality/

Revision History

Date	Description of Change
January 2017	Initial publication

1   Simphony Native Driver

Installing the Native Driver

The Simphony native driver provides connectivity functionality between Simphony and OPI. Equivalent functionality was provided by the MGDH software (MICROS Gateway Device Handler) in older versions of Simphony.

To use the native driver you must upgrade Simphony to release 2.9 or higher.

Selecting the Native Driver Refund Method

The native driver handles refunds in two ways, one method affects the sales figure in Simphony reports; the other method does not.
The customer decides which method to use considering how they need refund amounts to appear in their Simphony sales reporting.
When configuring OPI, you must also understand how the other credit card interfaces used by the enterprise or property are handling refunds. It may be necessary to match the native driver configuration in order to maintain consistent Simphony reporting to other properties across the Enterprise

Method 1

1. Create the refund check value by ringing in a non-revenue service charge.
2. Pay the check using the **Native Driver | CreditCardRefund** function.

Method 2

1. Start a negative check using the **Function | Transaction Void** key.
2. Enter the items to be refunded and raise the negative check value.
3. Pay the check using the **Native Driver | CreditAuthAndPay** function.

You cannot combine steps from the two different methods. For example, creating a negative check and trying to use the **Native Driver | CreditCardRefund** function does not work.

If the non-revenue service charge method is required, configure a non-revenue service charge similar to the following example:

Configuring the Native Driver

You can configure the native driver in the Enterprise Management Console (EMC). The screenshots and examples in this document refer to the configuration at an enterprise level.

Typically, the OPI host resides at property level, and as a result the host address may be different at each property or RVC, so the native driver configuration may need to be completed at property or the RVC level. In either case, the configuration steps are the same.

Adding the Payment Driver Configuration

To configure the OPI payment driver:
1. Depending if the payment drivers are configured at enterprise, property, or RVC level, select the required level in the locations hierarchy and then navigate to **Setup** | **Payment Drivers.**
2. If a record for the OPI payment driver does not exist, use the green **Insert Record** option.
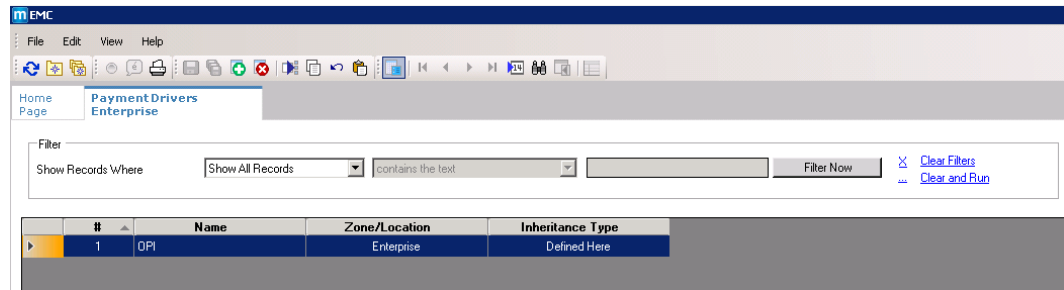
1. For the initial setup, open the OPI record and select **Import from a file**.
2. Browse to:
   `:\MICROS\Simphony2\EgatewayService\handlers\OPIPayment.dll`
3. Select the **Open** option.
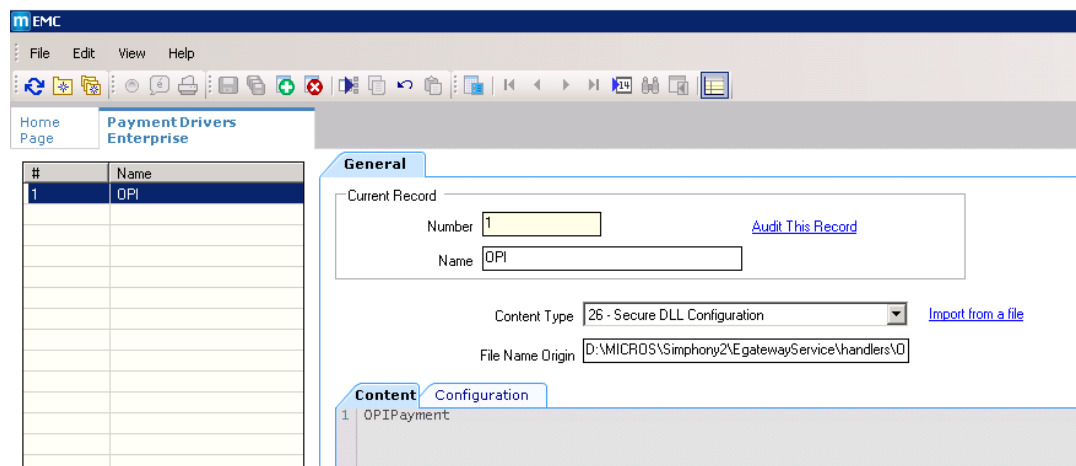
4. Select the **Configuration** tab.
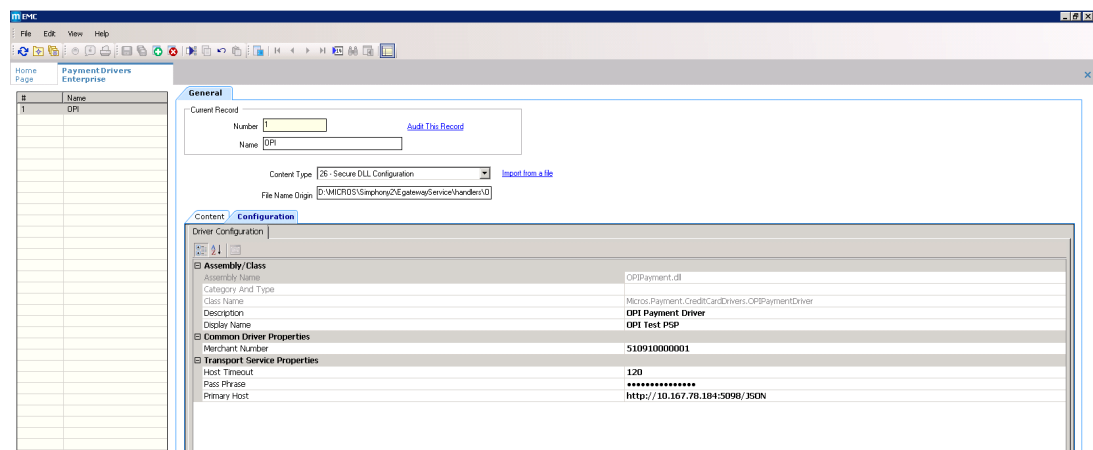
5. Configure the following options in each section.

Assembly/Class

- Display Name: (Mandatory). This value appears in the driver display drop-down list later during the configuration.

Common Driver Properties

- Merchant Number: (Mandatory) The value must match the Device Merchant ID that has been configured in the OPI.
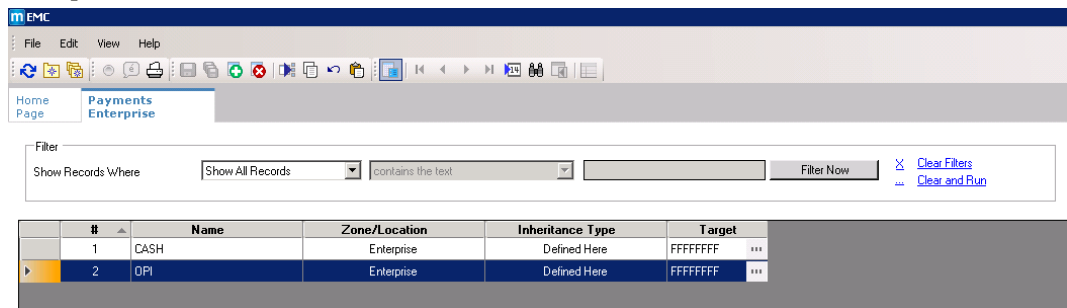
Transport Service Properties

- Host Timeout: (Mandatory) The recommended value is 60 seconds. If the value configured is too low, the Ops client can timeout before a response is received from the payment service provider.
- Pass Phrase: Enter the pass phrase that is configured in OPI.
- Primary Host: Enter the address of the OPI host. The host address must be appended by the port number and the JSON interface.

Adding the Payment Module Configuration

To configure the payment module:

1. Depending if the payment drivers are configured at enterprise, property, or RVC level, select the required level in the locations hierarchy then navigate to **Setup | Payments.**

2. If a record for the OPI payment driver does not exist, use the green **Insert Record** option.

3. For the initial setup, open the OPI record and select **Import from a file**.

4. Browse to
   `:\MICROS\Simphony2\EgatewayService\handlers\Micros.Payment.LoadableCreditCardModule.dll`

5. Select the **Open** option.

6. Select the **Driver** from the drop-down list of the payment drivers and display name created previously.

7. Use the default settings for the **Device** and **Content Type** drop-down list.

8. Select the **Configuration** tab.
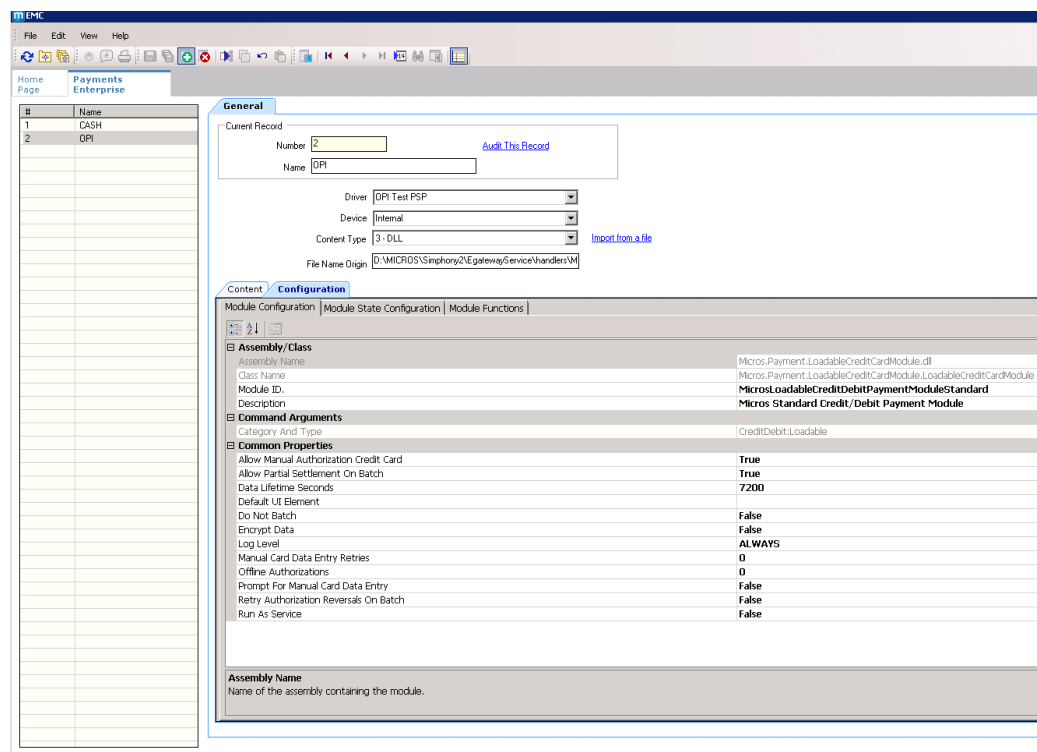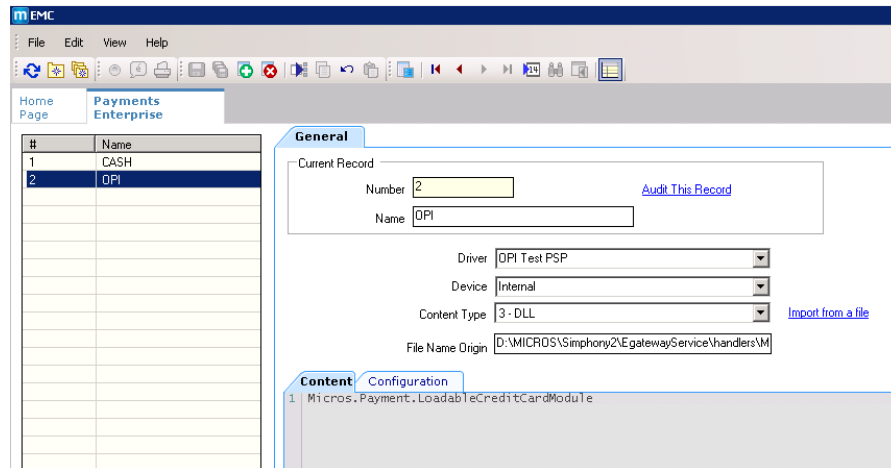
In the Common Driver Properties section, you must configure the following information. If the setting is not listed below, then you must retain the default value and the setting is not used with the OPI integration.

Setting	Description
Allow Manual Authorization Credit Card	This indicates if the manual authorization of credit cards is allowed. You must set this value to True unless the process guidelines state otherwise.

Do Not Batch	You must define this value as True, preventing database tables from filling up with unnecessary data which may cause problems with other Simphony features for example, Clear Totals.

Configuring the Default Payment Card Tender (Pre-Authorization Tender)

With the OPI, the credit card type is not known until the transaction processes and returns to the Point-of-Sale (POS). As a result, you must configure a pre-Authorization Tender/Media record as a placeholder until the transaction is processed. If multiple loadable payment drivers are used in the organization, set the following settings in the properties or revenue centers use OPI.

Tender/Media

1. In the relevant locations hierarchy, navigate to **Configuration | Tender/Media.**
2. Add a new Tender/Media record using the green **Insert Record** option. (This becomes the default OPI Payment.)
3. Provide the **Record Name(s)** for example, Default OPI and select **Ok**.
4. Double-click the newly added Tender/Media row to open.
5. Select the **Options** tab.
6. Configure the following option bits for the OPI Default/Pre-authorization tender.

Tender Section	Area	Parameter	Notes	State
2 - Options	Interface Options	31 - ON=PMS and Credit Cards use 19 Digit Acct Number; OFF=16 Digits		Disable
2 - Options	Credit Card Options	Estimated Tip Percentage	Unsupported in F&B	Disable
2 - Options	Credit Card Options	Base Limit	Obsolete with OPI	Disable
2 - Options	Credit Card Options	Second Limit	Unsupported in F&B	Disable
2 - Options	Credit Card Options	Second Limit Percentage	Unsupported in F&B	Disable
2 - Options	Credit Card Options	Offline Est Tip Percentage	Unsupported in F&B	Disable
2 - Options	Credit Card Options	Unauthorized Authorization Threshold	Obsolete with OPI	Disable

2 - Options	Credit Card Options	CA Offline Limit	Obsolete with OPI	Disable
2 - Options	Credit Card Options	Preambles 1 - [n]	Leave blank for Pre-Authorization Tender	NULL
2 - Options	Credit Card Options	7 - Use with Credit Card Recall	Obsolete with OPI	Disable
2 - Options	Credit Card Options	17 - Check Credit Card Expiration Date	Obsolete with OPI	Disable
2 - Options	Credit Card Options	27 - Credit Card Validity Test	Obsolete with OPI	Disable
2 - Options	Credit Card Options	34 - Prompt for Debit or Credit Card	Obsolete with OPI	Disable
2 - Options	Credit Card Options	49 - Require Credit Card Start Date	This information will be collected at the Electronic Payment Device (EPD)	Disable
2 - Options	Credit Card Options	50 - Require Credit Card Issue Number	This information will be collected at the Electronic Payment Device (EPD)	Disable
2 - Options	Credit Card Options	51 - No Credit Card Length Check	Obsolete with OPI	Disable
2 - Options	Credit Card Options	60 - Do Not Retain Cardholder's Name	Obsolete with OPI	Disable
2 - Options	Credit Card Options	61 - Require AVS on Manual Entry	Processor Defined	Disable
2 - Options	Credit Card Options	62 - Require AVS on Auto Swipe	Processor Defined	Disable
2 - Options	Credit Card Options	63 - AVS Must be Full Address	Processor Defined	Disable
2 - Options	Credit Card Options	64 - Require CVV on Manual Entry	Processor Defined	Disable
2 - Options	Credit Card Options	65 - Require CVV on Auto Swipe	Processor Defined	Disable

2 - Options	Credit Card Options	80 - Enable Partial Authorization	Defined in SSL Configuration	Disable
2 - Options	Ops Behavior > Amount Options	2 - Amount Required		Recommended Disable
2 - Options	Ops Behavior > Amount Options	3 - Assume Paid in Full		Disable
2 - Options	Ops Behavior > Security Options	68 - Mask Account Number		Disable
2 - Options	Charge Tip Options	9 - Charged Tip Required		Disable
2 - Options	Charge Tip Options	36 - ON = Charged Tip Must Be Less Than Pmt; OFF = Any Amount	Option bit cannot be enforced when OPI is active.	Disable
2 - Options	Miscellaneous Options > Signature Capture Options	Default Tip %	Unsupported in F&B	Disable
2 - Options	Miscellaneous Options > Signature Capture Options	58 - Enable Signature Capture	Inclusion is provided by processor.	Disable

Configuring the Tender Parameters

To configure the Tender Parameters:

1. In the Locations hierarchy, navigate to the relevant **Setup | Tender Parameters.**
2. Select the **Default Payment Card Tender** from the drop-down list of Tender/Media records that are configured as payment types.
3. Select the OPI Default tender that was configured in previous steps.
4. If the customer uses the reprint functions, select an option for the **Default Reprint Check Tender**.

Configuring the Payment Tenders

This section assumes that the Credit Card Payment Tenders have already been configured and are defined at the Enterprise Level. Depending on the customer's specific setup the Tender Media overrides may be required if OPI native drivers are not used at every property or RVC.

To configure the credit card tenders:
1. Select the **Options** tab.
2. Configure the following option bits for the Credit Card Tenders to use with OPI.

Tender Section	Area	Parameter	Notes	Disable?
2 - Options	Interface Options	31 - ON=PMS and Credit Cards use 19 Digit Acct Number; OFF=16 Digits		Disable Option Bit
2 - Options	Credit Card Options	Estimated Tip Percentage	Unsupported in F&B	Disable Option Bit
2 - Options	Credit Card Options	Base Limit	Obsolete with OPI	Disable Option Bit
2 - Options	Credit Card Options	Second Limit	Unsupported in F&B	Disable Option Bit

2 - Options	Credit Card Options	Second Limit Percentage	Unsupported in F&B	Disable Option Bit
2 - Options	Credit Card Options	Initial Authorization Amount	Part of default tender configuration only	Disable Option Bit
2 - Options	Credit Card Options	Offline Est Tip Percentage	Unsupported in F&B	Disable Option Bit
2 - Options	Credit Card Options	Unauthorized Authorization Threshold	Obsolete with OPI	Disable Option Bit
2 - Options	Credit Card Options	CA Offline Limit	Obsolete with OPI	Disable Option Bit
2 - Options	Credit Card Options	7 - Use with Credit Card Recall	Obsolete with OPI	Disable Option Bit
2 - Options	Credit Card Options	17 - Check Credit Card Expiration Date	Obsolete with OPI	Disable Option Bit
2 - Options	Credit Card Options	27 - Credit Card Validity Test	Obsolete with OPI	Disable Option Bit
2 - Options	Credit Card Options	33 - Require Credit Auth Before Service Total	Part of default tender only	Disable Option Bit
2 - Options	Credit Card Options	34 - Prompt for Debit or Credit Card	Obsolete with OPI	Disable Option Bit
2 - Options	Credit Card Options	49 - Require Credit Card Start Date	This information is now collected at the device	Disable Option Bit
2 - Options	Credit Card Options	50 - Require Credit Card Issue Number	This information is now collected at the device	Disable Option Bit
2 - Options	Credit Card Options	51 - No Credit Card Length Check	Obsolete with OPI	Disable Option Bit
2 - Options	Credit Card Options	60 - Do Not Retain Cardholder's Name	Obsolete with OPI	Disable Option Bit

2 - Options	Credit Card Options	61 - Require AVS on Manual Entry	Processor Defined	Disable Option Bit
2 - Options	Credit Card Options	62 - Require AVS on Auto Swipe	Processor Defined	Disable Option Bit
2 - Options	Credit Card Options	63 - AVS Must be Full Address	Processor Defined	Disable Option Bit
2 - Options	Credit Card Options	64 - Require CVV on Manual Entry	Processor Defined	Disable Option Bit
2 - Options	Credit Card Options	65 - Require CVV on Auto Swipe	Processor Defined	Disable Option Bit
2 - Options	Credit Card Options	80 - Enable Partial Authorization		Disable Option Bit
2 - Options	Ops Behavior > Security Options	68 - Mask Account Number		Disable Option Bit
2 - Options	Charge Tip Options	36 - ON = Charged Tip Must Be Less Than Pmt; OFF = Any Amount	This option bit cannot be enforced when OPI is active.	Disable Option Bit
2 - Options	Miscellaneous Options > HALO Options	HALO Code	Part of default tender only	Disable Option Bit
2 - Options	Miscellaneous Options > HALO Options	18 - Enable HALO	Part of default tender only	Disable Option Bit
2 - Options	Miscellaneous Options > HALO Options	19 - ON=Use HALO on Amount Entered; OFF=Amount Overtendered	Part of default tender only	Disable Option Bit
2 - Options	Miscellaneous Options > Signature Capture Options	Default Tip %	Unsupported in F&B	Disable Option Bit
2 - Options	Miscellaneous Options > Signature Capture Options	58 - Enable Signature Capture	Inclusion is provided by processor.	Disable Option Bit

2 - Options	Credit Card Options	Preambles 1 - [n]	Used to map the OPI payments to specific card types in Simphony	Refer to Table below

OPI uses the following preambles for the credit card payment types. These preambles are the internal POS Card Type numbers for OPI and are not the typical first six numbers of the Primary Account Number (PAN). Ensure the length of each preamble is also specified in the tender's configuration record.

| Tender Media	Preamble	Preamble Length
Visa	00*	2
MasterCard	01*	2
Amex	02*	2
DINERs	03*	2
JCB	04*	2
CUP	10*	2
Store Value Card	08*	2
CUP Debit	14*	2
Discovery	26*	2
Local/Debit	11*	2
Others	11*	2
Bank Card	11*	2
Debit SMS	15*	2
Paypal	27*	2
UKDM/Switch	16*	2
VISA Electron	17*	2
Visa Debit	18*	2
Maestro	19*	2
VPAY	20*	2
Alliance	21*	2
EC Chip	22*	2
GiroCard	23*	2
MasterCard Debit	24*	2
VISA Electron	17*	2

Configuring the Page Design

The credit card functionality is a combination of functionality provided by the OPI native drivers and core Simphony functionality.

These instructions describe how to setup the front of house pages and buttons to use with the OPI payment card driver.
1. Navigate to the **Configuration | Page Design**.
2. To open the page, double-click the row.

3. Click the Insert (+) button to add a new credit card function button for the payment card driver.
4. In the General tab, select **Payment Tenders** from the type drop-down list.
5. Directly under the Payment Tenders drop-down, click the black arrow.
6. On the *Select Tender/Media Payment* window, select **None** or the desired payment tender, and then select **Ok**.
7. On the Payment Configuration window, select **CreditDebit:Loadable** for the Payment Type and your desired function in the functions drop-down list. Select the **Ok**.
8. Position and size the button wherever you want to place it on the page.
9. In the **Legend** field, type the name of the button.
10. Repeat the configuration steps for any additional supported functions.
11. Save the changes and close the **Page Design** tab.
12. Update the database on the Ops clients for the screen design changes to appear on the workstations.
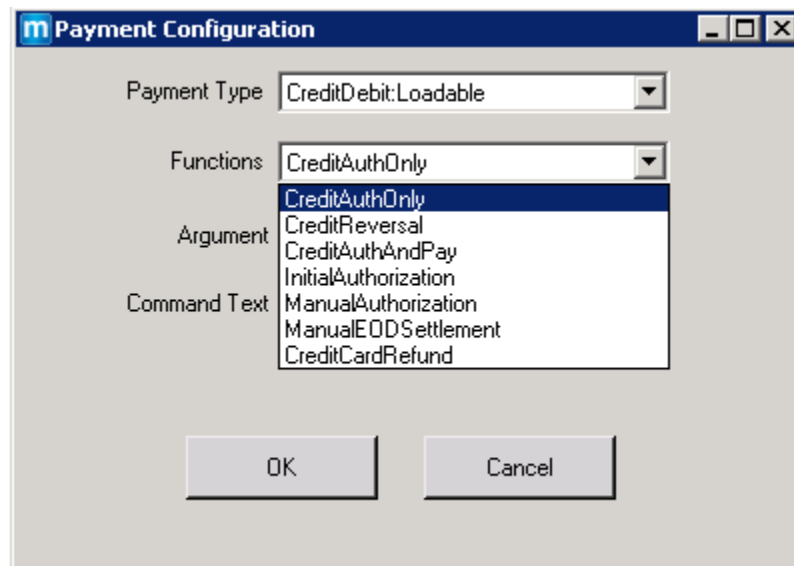
The following functions are provided by the native drivers.

Function	Description
CreditAuthOnly	This function obtains an authorization for the check value when the guest is ready to pay the bill.
CreditReversal	Internal function used by the native driver to handle an authorization release and void functionality. This is not a function that can be called manually, this function should not be linked to a touchscreen button.

CreditAuthAndPay	This function obtains an authorization and final transaction in one transaction, also known as a Sale transaction. This function is intended for counter service where the guest is present at the workstation and completes the payment on the PED (PIN Entry Device).
InitialAuthorization	This function allows the user to try authorizing a specific amount and may not reflect the value of the check. These transactions can be settled at a later time and do not require the credit card to be present.
ManualAuthorization	Use this function in situations when a transaction was attempted and a voice referral is returned. The Manual Authorization function is used to send the transaction to the payment service provider and can include the manual Authorization Code that was provided over the phone. This enables the payment service provider to include the pre-approved authorization code in their authorization transaction.
ManualEODSettlement	The Manual End-of-Day (EOD) Settlement function allows the user to send a message to the payment service provider indicating any un-batched transactions, up to the point when the button is pressed, should be marked as ready for settlement. This function can be used if the scheduled EOD did not run properly.
CreditCardRefund	Use this transaction to settle Non-Revenue Service Charge refund checks only. The Native Driver Refunds section contains more information. Depending on how the system is configured, you can also require some of the following buttons to use in conjunction with the native driver functions.
Function	CCard Finalize	This key finalizes a credit card through the Simphony system. This function key posts the previously-authorized credit card to the check as a payment typically closing the check, unless an amount less than the check total was entered first.
Function	Reprint Closed Check	Use this function to reprint the Guest Check of a closed transaction.
Function	Reprint Previous Closed Check	Use this function to reprint the receipt for the last check that was closed on the workstation.
Function	Popup Numeric Keyboard	This function causes the default numeric keypad screen to appear.
Function	Credit Voucher Reprint	This key reprints a credit card voucher.

Function | Adjust Closed Check	Use this key to adjust closed checks for the current business day. When a check is adjusted, the tenders and service charges on the check can be edited but the check itself is not reopened.
Function | Void	Use this key to void items from the check such as Authorization or Final Tenders. Items can be voided by pressing this key twice (last item is removed), pressing Void and then entering a menu item, selecting an item in the check detail and then pressing Void.
Function | Transaction Void	This key is used to place the workstation into Void mode after pressing this key, every menu item purchased is a voided menu item.
Service Charge | Non-Revenue Service Charge Record	May be required depending on Refund Method selected. Refer to NATIVE DRIVER REFUNDS .

Scheduling the End-of-Day

To schedule the End-of-Day task:

1. Navigate to **Configuration** | **Task Schedules**
2. Use the green plus symbol to add a new record for the OPI EOD.
3. Open the record and define the General and Recurrence values for the following options:
   - From the **Service Type** drop-down list, select **Check and Posting.**
   - From the **Task Type** drop-down list, select the **EOD Settlement**.
   - From the **Schedule** type drop-down list, select **Daily.**
4. Select the **Enabled** checkbox, to enable the task.
5. Enter the date using the format MM/DD/YYYY.

2   Oracle Payment Interface

Introduction

The Oracle Payment Interface installs on premise and connects to third-party payment service providers (PSP) to process financial transactions from the Oracle Hospitality POS systems and the OPERA Property Management Systems.
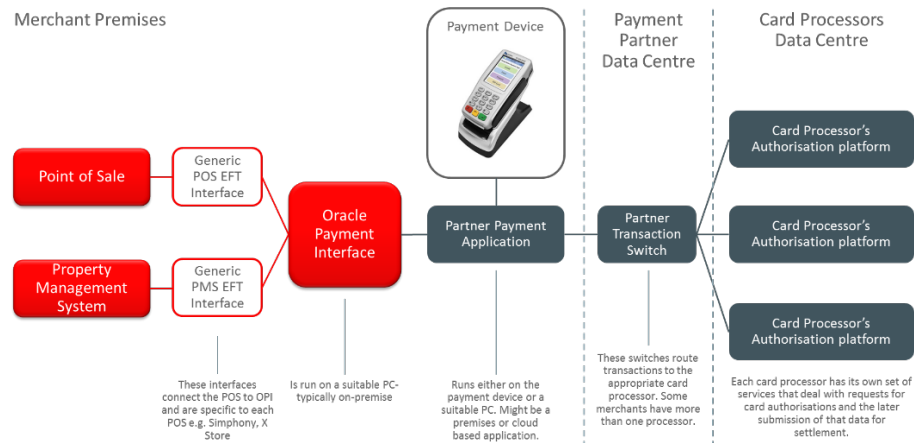
Supported Currencies

OPI supports the following currencies.

AUD – Australian Dollars
CNY - China Yuan Renminbi
EUR - European Union
FJD – Fiji Dollars
IDR - Indonesia Rupiah
GBP – UK
HKD - Hong Kong Dollars
INR - India Rupee
JPY - Japanese Yen
KRW – South Korea Won
LKR - Sri Lanka Rupee
NZD - New Zealand Dollar
MOP – Macau Pataca
MYR - Malaysia Ringgit
MVR - Maldives Rufiyaa
PHP - Philippines Peso
PLN – Poland
SGD – Singapore Dollars
SEK – Sweden
THB - Thailand Baht
TWD - Taiwan Dollar
USD – US Dollars

Installing OPI

Consider the following points before installing OPI:

- You cannot upgrade from earlier version of OPI to OPI release 6.1. If an earlier version of OPI already exists on the host machine, you must uninstall this version of OPI. The Uninstall / Reinstall section contains more information.
- Oracle Payment Interface requires 6 GB of free disk space to complete the installation.
- The configuration wizard requires Microsoft .Net framework. Confirm the Microsoft .Net Framework release 4.0 or higher is installed on the OPI host machine.
- The required C++ DLLs are now included in the OPI installation process.

To install Oracle Payment Interface:

1. Run the `Oracle Payment Interface-6.1.0.9.exe` file.
2. Select **Next.** The installer verifies the JRE version and the available space on the host computer.
    - Java Runtime Environment (JRE) release 1.8 is required. If the JRE is already installed, the installation wizard checks if the existing JRE version meets the minimum requirements and then installs a later version if required.
    - Free Memory Size The installation wizard installs a .start file according to the free memory size on the machine, the minimum requirement is 1024MB of free disk space.
3. On the installer screen that confirms the components to install, select **Next**. The Oracle Payment Interface uses a MySQL database to store the configuration data. The database stores the transaction data to create the reprints of credit vouchers.
4. Enter and confirm the database password, and then select **Next**.
    - alpha characters
    - numeric character
    - special character
5. The installer configures the username and password for OPI to access the database Enter the database user name and password, select **Next**.
6. Select **Native Driver** as the installation type, and select **Next**. Selecting the native driver solution requires you to set a passphrase for the communication between Simphony and OPI. The passphrase must match the value entered earlier in **Enterprise Management Console | Payment Drivers | Configuration | Transport Service Properties | Pass Phrase**.
7. Enter and confirm the password, and select **Next**. The password is case sensitive, must contain at least 15 characters, and at least one of the following:
    - alpha characters
    - numeric character
    - special character
8. Enter the date and time to restart the OPI Service.
9. Confirm the location to install OPI, and select **Next**. If there is insufficient space on the selected drive, a following warning appears. Although the Oracle Payment Interface does not consume this space immediately, it uses the space over time as log files are created

10. Confirm the path of the source code and software license files. By default the installation wizard populates uses the subdirectory of the `OraclePaymentInterface` folder. Select **Next**
11. Confirm the Start Menu folder name, and select **Next**.
12. Review the installation steps, and select **Install**. The installation wizard extracts the files, and install the Java Runtime Environment and MySQL software
13. After OPI installs, the configuration wizard starts.

Configuring OPI

1. Log into the configuration wizard with a user name that has local administrator rights to the host machine. Enter the user name and password, and select **Login**. OPI requires the Microsoft Windows user to use a password with at least 8 characters, and contain at least one letter, one number, and one special character.
   If the password of the user provided does not meet these requirements the password must be changed by the customer, or the customer must create a new user with the password requirements stated above
2. Enable the relevant merchant type, select the OPI Mode, and define the Host addresses if applicable.
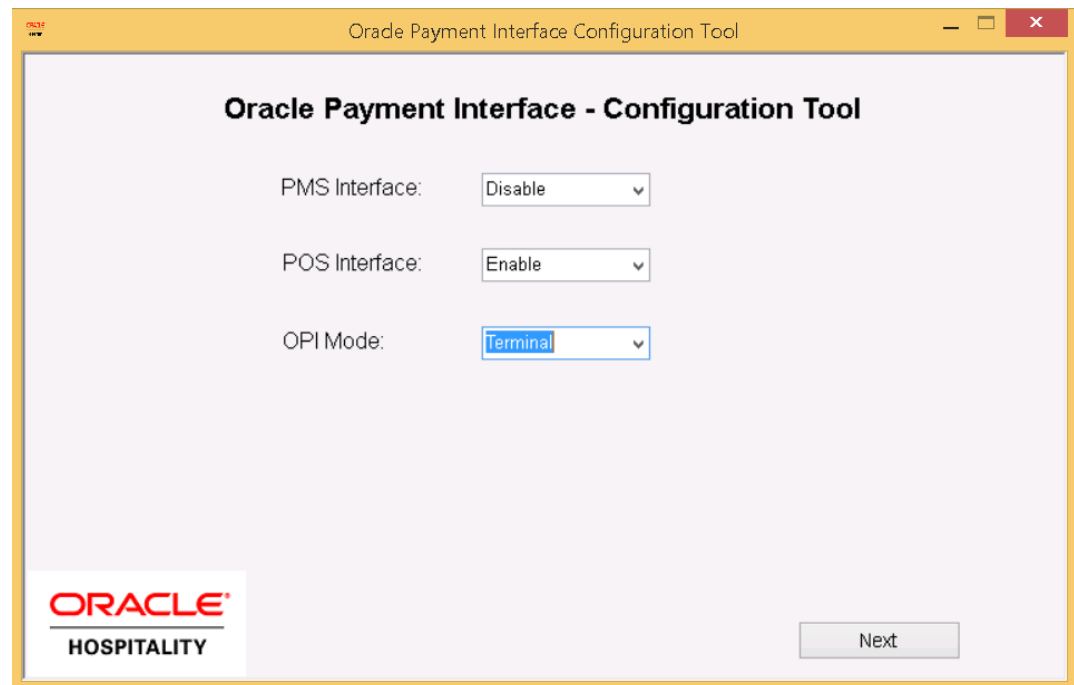
3. Select the OPI Mode. The OPI Mode depends on the partner payment service provider and uses the following guidelines.
   Terminal Mode
   - OPI maintains the mapping between the POS workstation number and terminal IP address.
   - You can configure the terminal mapping during the OPI configuration process.

Middleware Mode
- The partner maintains the mapping between the POS workstation number and terminal IP address.
- You cannot configure the terminal mapping during the OPI configuration process.
- All communication sends to the primary or secondary host configured.
- If the Middleware connection to the partner payment service provider is selected, HTTPS:// is used internally as the prefix. Only the HTTPS protocol is supported.

By default the port 8080 is configured for both the Terminal mode and the Middleware mode. If the port must be amended, use the `\OraclePaymentInterface\bin\config.exe` file to edit the **Server0Q | Port** parameter.

4. Select the radio button to select the Merchant Type to edit.
5. If you do not need to edit the Merchant configuration for an existing installation, then you can select the **Show Summary** option to skip to the end of the configuration wizard.
6. Select **Add New Property** to configure a new Merchant. If Merchants were previously setup for OPI, you can select one of the existing Merchant configurations to edit from the list that appears on the screen.
7. Confirm the POS type to configure the POS Merchant.
8. Enter the Device Merchant ID for the merchant. The Merchant ID must match the value configured in **EMC | Payment Drivers | Configuration | Common Driver Properties| Merchant Number**
9. Enter the **Merchant Name** and **Merchant City** and select the **Merchant Country,** select **Next**.
10. Enter the details of all PIN Entry Device (PED) mappings (If terminal mode was selected). Select the **Device Type** from the drop-down list if applicable, then select **Add Terminal**.
11. On the Terminal Configuration screen, enter the **Workstation ID** from the Enterprise Management Console and the PED Devices IP address and select **OK**.
12. Repeat the steps for each required TCP/IP device.
13. After all terminals are mapped, select **Next**. The Configuration Summary shows the OPI configuration
14. Do not edit any values, select **Exit** and **Save.**
15. Reboot the host before running OPI.
16. After the OPI installation is complete use the `\OraclePaymentInterface\bin\config.exe` utility to update the following parameter *dll | Mode = 8.*
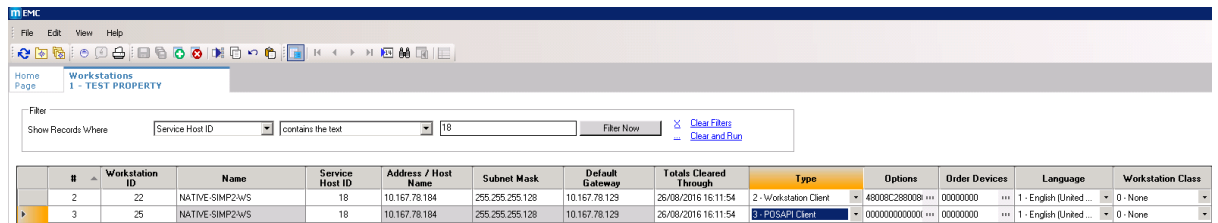
3   Pay@Table

Configuring Simphony for Pay@Table

Configuring the POSAPI

The Simphony 2.9 POSAPI Workstation runs as a second workstation instance on the same Service Host ID. You can no longer change the Workstation Type to POSAPI as you could in previous versions of Simphony. The exception to this is if the POSAPI runs on a machine that does not require OPS.

In the Enterprise Management Console Workstation, add a record when prompted to select the Service Host ID of the Workstation where the POSAPI needs to run and set the Type to the POSAPI client. If the POSAPI machine is not available, Pay@Table will not work.

Check and Posting

Calls from OPI to the POSAPI retrieve the check information from the CAPS database. If your CAPS machine is not available, Pay@Table will not work.

Employee

OPI needs the object number of a Simphony employee to use to retrieve check values. It is not required for the employee to have an ID for signing into OPS.

Gratuities

If the Tip prompt is enabled on the Pay@Table devices, then a gratuity record must be linked to the Tender Medias in Simphony EMC. The charged tip configuration options on the Tender Media and the Tip records must be similar. For example, if the Option Post to Charged Tips Total on Tip Reports is enabled on the Tender/Media record, the option must also be enabled on the relevant Service Charge Tip record.
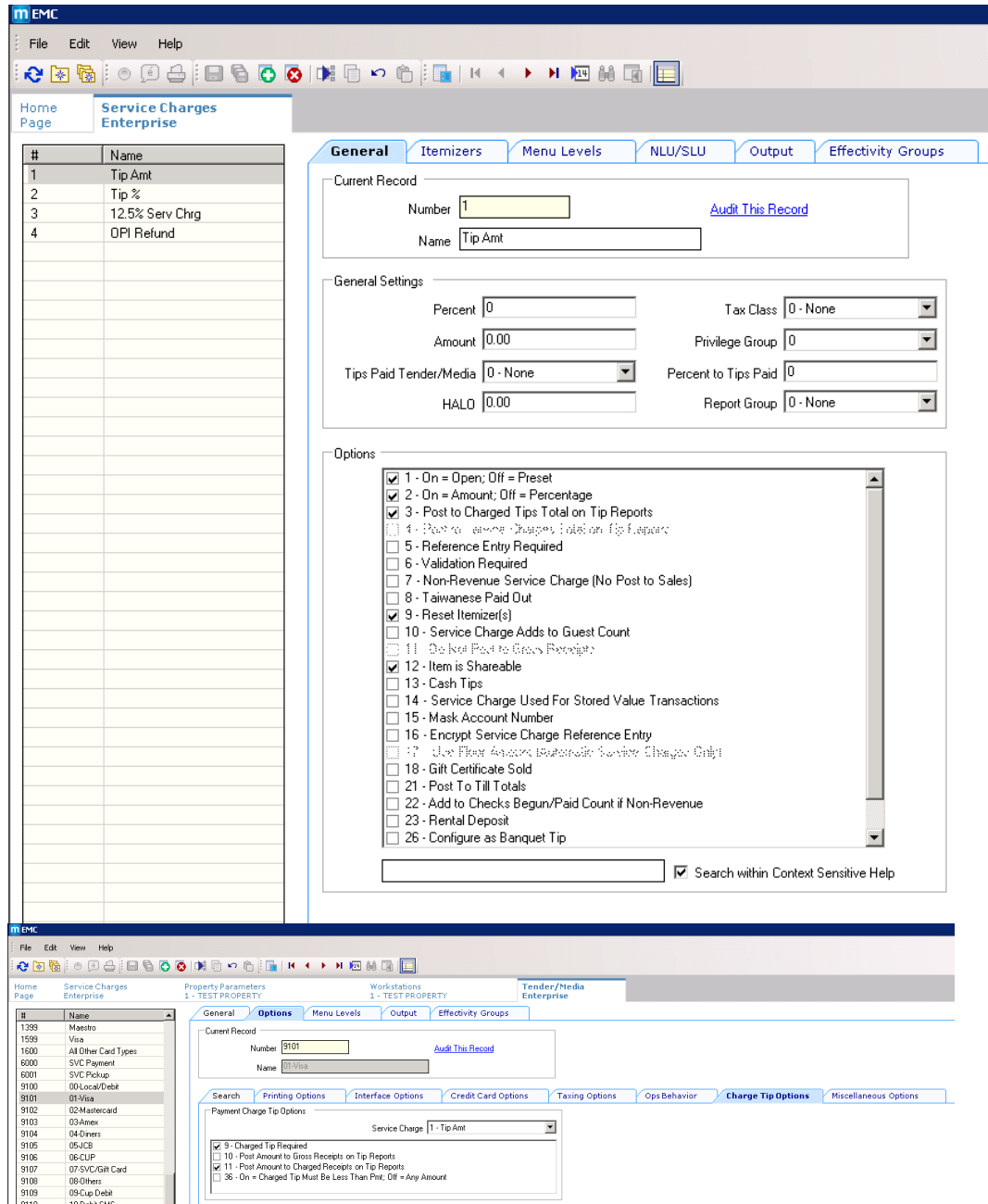
Configuring OPI Pay@Table

To configure the OPI Pay@Table:

1. Enable the OPI Pay@Table functionality by following the steps in the OPI section above to install and configure a Merchant.
2. Enable the Pay@Table interface on the Merchant configuration page.
3. Enter a certificate password for the Pay@Table PED's to communicate with OPI. The password is case sensitive, must contain at least 8 characters, and must contain at least one of the following an alpha character, a numeric character, and a special character.
4. Enter and confirm the certificate password, and select **Next**.

5. With Pay@Table enabled you must enter the following:
   - ○ Host – Enter the IP address of the Simphony POSAPI Client Workstation host.
   - ○ EmpObjNum – Enter the Employee object number from Simphony EMC that OPI uses to pickup check values though the POSAPI.
   - ○ Map the required payment types to the Tender Media object numbers from Simphony EMC.
6. Select **Next**.

7. Select the **Add Pay@Table Terminal** option, add the mapping details for each Pay@Table device that connects to OPI.
8. Enter a **Mobile Device ID**. This value is a unique identifier assigned to the Pay@Table device by the payment service provider.
9. Select a **Query By** value to define if the device picks-up checks by prompting for the Table number or Check number. The customer must decide which method suites their enterprise best.
10. Enter the **RVC**, enter the object number from the Simphony EMC of the RVC where the device will be used.
11. Select **Ok** to add the terminal mapping.

12. Repeat the previous step for each required device, and select **Next**. The Configuration Summary shows the OPI configuration details.
13. Do not edit any values. Select **Exit** and **Save**.

By default the Pay@Table port is set to 5023. If the port needs to be amended, use the `:\OraclePaymentInterface\bin\config.exe` file to edit the following parameter to the required value: *Vx6702 | Port*

4 OPI Maintenance and FAQ

OPI Services

After the OPI installation completes there will be two OPI Services.
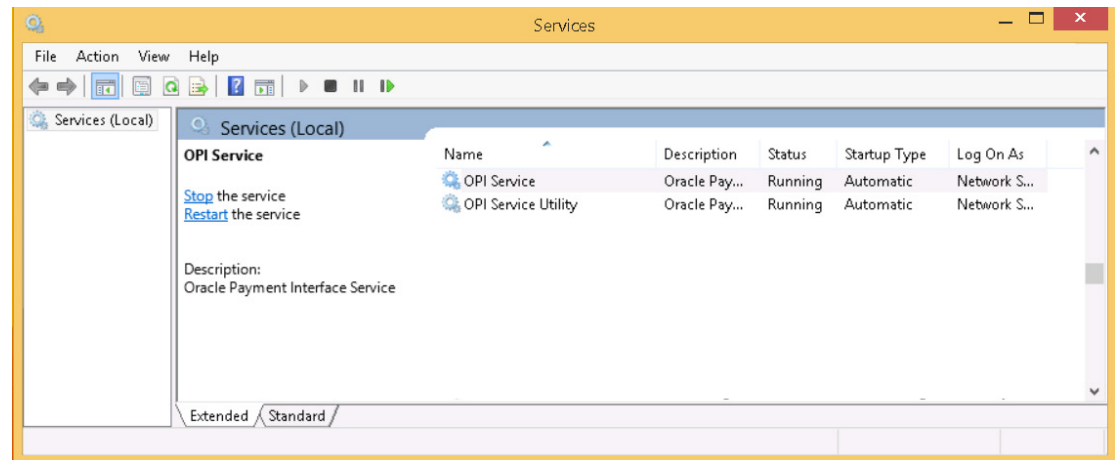
OPI Service

The OPI Service deals with communication between the payment service provider and Simphony. The OPI Service must be restarted each time any configuration changes are made to the Oracle Payment Interface.

OPI Service Utility

The OPI Service Utility handles communication between the OPI configuration tools and the MySQL database. If you are having trouble logging into the configuration wizards, make sure the OPI Service Utility is running.

OPI Uninstallation / Re-installation

If you are uninstalling OPI with the intention of reinstalling it again, be sure to remove the `:\ProgramData\MySQL\` folder manually, the uninstall of the MySQL database does not remove this automatically. If the folder is left the old schema information causes challenges during the re-install process.

The `:\ProgramData\` folder is typically hidden folder by default.

OPI Additional Configuration

Additional configuration can be done using the configuration wizard. The configuration wizard should be used wherever possible to ensure configuration is performed to the same standard.

OPI Log Files

The following guidelines apply to the OPI log files. The OPI log file location is
`:\OraclePaymentInterface\Log\`

Log File	Description
`debug.log`	The debug log is rotated by file size, not by date. The maximum file size is 20MB.
`Gateway.log`	The file is rotated by file size; the maximum size is 20MB.
`System.log`	Use the `System.log` to check the Oracle Payment Interface build number. The log file is rotated by file size; the maximum size is 20MB.
`Transaction.log`	The `Transaction.log` is rotated daily, the current transaction log file name is transaction.log. The previous days transaction log file name is `transaction.log.YYYY-MM-DD`.

OPI Service Restart Task

The OPI installer creates an OPI Service task. After you install and configure OPI, you can change the details of the OPI Service restart task using the Microsoft Windows Task Scheduler.
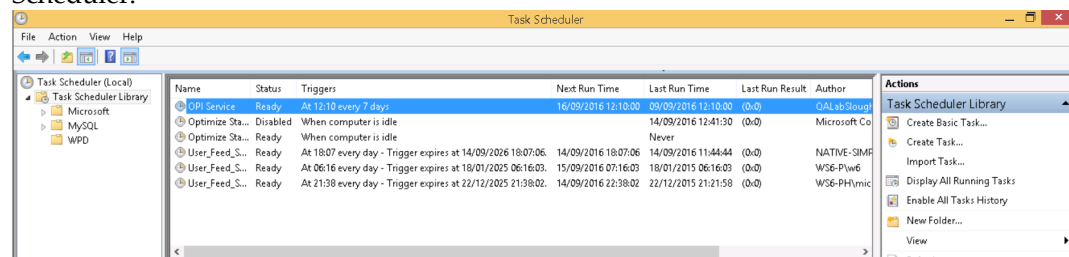
OPI Password Maintenance

The passwords for the OPI database and the native driver passphrase are configured during the installation. If the passwords for the OPI database or the native driver passphrase must be updated after OPI is installed, use the `rwregistry.exe` utility to update these passwords in the OPI configuration by accessing the following file:
`:\OraclePaymentInterface\Bin\rwregistry.exe`

The rwregistry utility does not change the MySQL password within MySQL. The system administrator on site would change the MySQL password.

1. Run `:\OraclePaymentInterface\bin\rwregistry.exe` as system administrator and login with local administrator user credentials.
2. Select the required function.
3. Enter the updated credentials in the OPI configuration and commit to save the changes

OPI Configuration Logs

The configAudit log file no longer tracks the configuration changes:
```
:\OraclePaymentInterface\log\configAudit\
```

Configuration changes are now stored in the OPI MySQL database. An OPI system administrator can view the logs using the *AuditLogTool.exe* utility.

To access the utility

1. Run the *:\OraclePaymentInterface\bin\AuditLogTool.exe* file.
2. Enter the date range and then select **View** to display the logs for a specific date range.