

# Oracle® Payment Interface

## Release Notes



Release 19.1  
F14996-03  
March 2022

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Oracle Payment Interface Release Notes, Release 19.1

F14996-03

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# Preface

This document describes the features and updates included in the Oracle Payment Interface (OPI) release 19.1.

## 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 the Oracle Payment Interface 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 customers who install Oracle Payment Interface 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
- 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.
April 2019	Added Windows Server 2019 in OPI supported OS.
May 2019	Updated compatible Food & Beverage and Hotel Solutions that supports OPI.
November 2019	Updated minimum software versions for OPERA and Food & Beverage solutions that supports OPI.
March 2020	Removed Windows 7 from the System Requirements as OPI installer no longer supports.
March 2022	Removed the feature Pay-at-the-Table does not integrate with Symphony Payment

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<b>Date</b>	<b>Description of Change</b>
	Interface (SPI) from Symphony 18.2 or even later as it is a future functionality

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# 1

## Features and Updates

This release contains the following features and changes for Oracle Payment Interface.

### Oracle Payment Interface Configuration Tool

Oracle Payment Interface Configuration tool 19.1 includes the following enhancements:

- Ability to back up and restore OPI configuration data by allowing the export of OPI configuration data from a database to a file, and then import what was previously exported out to another OPI database.

### Oracle Payment Interface Core

Oracle Payment Interface 19.1 includes the following core product enhancements:

- Ability to pass card entry mode information from PSP to Opera so that Opera can determine if the credit card was processed with the card present or card not present.
- Ability to support debit with cashback operation for RES POS system through native driver integration.
- Ability to accept additional card types for OPERA and POS Pay@Table so that local credit card types required in some countries/regions can be supported.
- Ability to pass the Opera Operator ID information from Opera to Payment Partners via OPI for payment authorizations, reversals, and sale completion transactions.
- Improved OGDH performance when communicating with OPI via HTTPS.
- Simplified certificate management functionality for token exchange functionality between OPI and Payment Service Provider.
- Expanded list of supported global currencies.
- Supports alternative mobile payment methods for mobile wallet such as Alipay, WeChat, etc.
- OPI configuration data storage is GDPR-compliant.

# Oracle Hospitality OPERA Property Management System

The Oracle Payment Interface is supported from the following OPERA Property Management Systems releases:

- OPERA On Premise 5.5.0.24.4 or higher
- OPERA On Premise with Multi-Property 5.5.0.25.8 or higher
- OPERA V5 Hosted 5.5.0.25.8 or higher
- OPERA V5.6.6 or higher
- OPERA Cloud 1.20.16 or higher
- OPERA Cloud 19.4 or higher

For customers running OPERA Cloud using V5.5 Front end, they will need to be on a minimum version of V5.5.25.8.

With this release, you can integrate with the above OPERA Property Management System releases and use the following transaction types.

<b>Transaction Type</b>	<b>Description</b>
Pre-Authorization	A pre-authorization transaction holds the pre-authorized amount and temporarily reduces the customers credit card limit. The pre-authorization transaction does not charge the card or reflect on customers credit card statement.
Top-up Authorization	A top-up authorization adds an authorized amount to the pre-authorization hold.
Manual Authorization	A manual authorization retrieves an authorization code from a phone call, then sends the authorization request to the acquirer with the authorization code.
Authorization Release	An authorization release returns the pre-authorized amount to the cardholder's available credit.
Sales Completion	The sales completion transaction completes the pre-authorization transaction by charging the final amount.
Sale/Purchase	The sale or purchase transaction charges the customer's card directly without requiring a pre-authorization.
Refund	The refund transaction returns the authorized amount to a holding-state.
Void	The void transaction reverses the original sales /purchase transaction.

Transaction Type	Description
Reversal	If the connection between OPERA and OPI terminates before OPI completes the financial transaction, OPI will reverse the transaction sent to acquirer.
Transaction Inquiry	The transaction inquiry requests the transaction status from acquirer.
End-of-Day Settlement	The end-of-day settlement typically submits once a day at the end of the business day and sends a message to the acquirer to process a batch cutoff for the day.
Get Token	The get token transaction converts Primary Account Numbers (PAN) to a secure token.

## Oracle Hospitality Point-of-Sale (POS)

With this release, you can integrate with the Oracle Hospitality Point-of-Sale (POS) System for on-premise and use the following transaction types. The [Connecting to the POS](#) section lists the supported POS systems.

Transaction Type	Description
Pre-Authorization	A pre-authorization transaction holds the pre-authorized amount and temporarily reduces the customer's credit card limit. The pre-authorization transaction does not charge the card or reflect on customer's credit card statement.
Manual Authorization	A manual authorization retrieves an authorization code from a phone call, then sends the authorization request to the acquirer with the authorization code.
Authorization Release	An authorization release returns the pre-authorized amount to the cardholder's available credit.
Sales Completion	The sales completion transaction completes the pre-authorization transaction by charging the final amount.
Sale/Purchase	The sale or purchase transaction charges the customer's card directly without requiring a pre-authorization.
Sale and Cash	The sale and cash transaction provides the ability for the cashier to pay cash to the card holder, and charge the financial transaction for the funds.
Sales Adjustment	The sales adjustment transaction corrects the original sale or sale completion amount.



Transaction Type	Description
Refund	The refund transaction returns the authorized amount to a holding state.
Void	The void transaction reverses the original sales/purchase transaction.
Reversal	If the connection between POS and OPI terminates before OPI completes the financial transaction, then OPI reverses the transaction sent to acquirer.
Transaction Inquiry	The transaction inquiry requests the transaction status from acquirer.
Balance Inquiry	The balance inquiry transaction retrieves the balance amount for a pre-paid card or gift card.
End-of-Day Settlement	The end-of-day settlement typically submits once a day at the end of the business day and sends a message to the acquirer to process a batch cutoff for the day.

## Connecting to the Point-of-Sale (POS)

The Oracle Payment Interface supports the F&B Solutions with the Oracle Gateway Device Handler (OGDH) Drivers, Native Drivers, and the Symphony Payment Interface for Pay@Table Solutions via the following software releases:

F&B Solution	Driver\Interface Type	Minimum Version and above
Restaurant Enterprise System/3700	OGDH	5.5.1 or higher
Leisure Enterprise System/9700	OGDH	4.0
Simphony First Edition	OGDH	1.7.1
Simphony	OGDH	2.9.2 or higher
Restaurant Enterprise System/3700	Native Drivers	5.5.1 or higher
Simphony	Native Drivers	2.9.2 or higher
Simphony	Simphony Payment Interface (SPI)	18.2
e7	Native Drivers	4.2.1 or higher

## POS Pay-at-the-Table

The Oracle Payment Interface supports the F&B solutions for Pay@Table functionality for the POS. When integrating with Pay@Table, the cashier can use a Pay@Table device to open the check, process the credit card transaction and post the transaction back to the POS to close the check.

Pay@Table integrates with the following Oracle Hospitality POS systems:

- Symphony release 2.9.2 or higher
- RES 3700 release 5.0 or higher

Pay@Table is not supported on Symphony First Edition or 9700.

## Oracle Hospitality Shipboard Property Management System

The Oracle Payment Interface is supported from the following Shipboard Property Management Systems releases:

- 8.0.8 and higher

## Oracle Retail

The Oracle Payment Interface is supported from the following Oracle Retail releases:

- Xstore 17.0 and higher

## Oracle Hospitality Suite8 Property Management System

The Oracle Payment Interface is supported from the following Suite8 Property Management Systems releases:

- 8.12.0.0 and higher

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## System Requirements, Supported Systems, and Compatibility

The Oracle Payment Interface release 19.1 is compatible with the following operating systems:

- Microsoft Windows 8
- Microsoft Windows 10
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2016
- Microsoft Windows Server 2019
- Microsoft Embedded POSReady 2009 (Minimum RAM = 2 GB, Hard disk = minimum 6 GB reserved for OPI)
- Microsoft Embedded POSReady 7 (Minimum RAM = 2 GB, Hard disk = minimum 6 GB reserved for OPI)

# 3

## Resolved Issues

The following customer-reported issues were resolved in this release:

**Table 3-1 - Resolved Issues**

BugDB	JIRA	Product	Description
29128856	HPI-664	OPI Core	Corrected an issue where OPI fails to process special characters in IFC8 messages.
28835273	HPI-604	OPI Core	Corrected an issue where Opera transactions fail when using Oracle database (Oracle DB-ORA-00932 got CLOB).
28862367	HPI-613	OPI Core	Corrected an issue where OPI Configuration Reading from Database has cursor leak
27369382	HPI-216	OPI Core	Corrected an issue related to OPI handling of connection closure upon timeout.
28740806	HPI-582	Misc	Corrected an issue where OPI sends incorrect message types for transaction reversals
27901991	HPI-370	MGDH	Corrected an issue where "Tax Exempt" is not working with OGDH Sim.
27769268	HPI-335	OPI Installer	Corrected an issue where the installer is unable to create users in Oracle Database 12c if opidb is used in the OraDB path and the schema name.

Refer to the ReadMe files attached to patch sets and interim patches for additional bug fixes.