

Oracle® Retail EFTLink

Validated OPI Partners Guide

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Oracle® Retail EFTLink Validated OPI Partners Guide, Release 19.0.

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document.

Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

Note: Before sending us your comments, you might like to check that you have the latest version of the document and if any concerns are already addressed. To do this, access the Online Documentation available on the Oracle Technology Network Web site. It contains the most current Documentation Library plus all documents revised or released recently.

Send your comments to us using the electronic mail address: retail-doc_us@oracle.com

Please give your name, address, electronic mail address, and telephone number (optional).

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If you require training or instruction in using Oracle software, then please contact your Oracle local office and inquire about our Oracle University offerings. A list of Oracle offices is available on our Web site at <http://www.oracle.com>.

Preface

This guide serves as a best practice guide for ensuring secure operation of Oracle Retail EFTLink. Installation and configuration are covered in more detail in separate guides as listed in the Related Documents section below.

Audience

This Installation Guide is for the following audiences:

- System administrators and operations personnel
- Database administrators
- System analysts and programmers
- Integrators and implementation staff personnel

Documentation Accessibility

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<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Related Documents

For more information, see the following documents in the Oracle Retail EFTLink Release 19.0 documentation set:

- *Oracle Retail EFTLink Release Notes*
- *Oracle Retail EFTLink Core Configuration Guide*
- *Oracle Retail EFTLink Framework Installation Guide*
- *Oracle Retail EFTLink Security Guide*
- *Oracle Retail EFTLink Validated Partner Cores Guide*

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
- Screen shots of each step you take

Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 19.0) or a later patch release (for example, 19.0.x). If you are installing the base release, additional patch, and bundled hot fix releases, read the documentation for all releases that have occurred since the base release before you begin installation. Documentation for patch and bundled hot fix releases can contain critical information related to the base release, as well as information about code changes since the base release.

Improved Process for Oracle Retail Documentation Corrections

To more quickly address critical corrections to Oracle Retail documentation content, Oracle Retail documentation may be republished whenever a critical correction is needed. For critical corrections, the republication of an Oracle Retail document may at times not be attached to a numbered software release; instead, the Oracle Retail document will simply be replaced on the Oracle Technology Network Web site, or, in the case of Data Models, to the applicable My Oracle Support Documentation container where they reside.

This process will prevent delays in making critical corrections available to customers. For the customer, it means that before you begin installation, you must verify that you have the most recent version of the Oracle Retail documentation set. Oracle Retail documentation is available on the Oracle Technology Network at the following URL:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

An updated version of the applicable Oracle Retail document is indicated by Oracle part number, as well as print date (month and year). An updated version uses the same part number, with a higher-numbered suffix. For example, part number F123456-02 is an updated version of a document with part number F123456-01.

If a more recent version of a document is available, that version supersedes all previous versions.

Oracle Retail Documentation on the Oracle Technology Network

Oracle Retail product documentation is available on the following Web site:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

(Data Model documents are not available through Oracle Technology Network. You can obtain them through My Oracle Support.)

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Overview

Oracle Payment Interface (OPI) is a payment card-processing interface that integrates with the Oracle Hospitality Point-of-Sale (POS), OPERA, Suite 8 (PMS) and Retail (POS) systems. It defines a standard interface that partner payment service providers can implement to provide credit card processing functionality to Oracle Hospitality OPERA, POS and also Oracle Retail Point of Sale (POS) Systems.

This guide provides information relating to the OPI transaction types for compatibility of Xstore and EFTLink for payment terminal functionality of each Oracle payment partner.

Where the Oracle payment partner does not support an OPI transaction type that is supported by Xstore and EFTLink, it will be left blank to show that there is a gap in that Oracle payment partner's solution. It will be up to the Oracle payment partner or system integrator to suppress that feature in Xstore to ensure that the transaction type is not executed to the point of failure.

Note: Although Oracle are validating the OPI transaction types, Oracle is not responsible for support, this is the responsibility of the Oracle payment partner solution providers. The customer or system integrator should always approach the Oracle payment partner in the first instance who should be able to understand and analyze EFTLink logs in order to determine whether the issue is with their solution or EFTLink. If a problem is found within EFTLink, then the system integrator should go through the standard Oracle support channel in order to facilitate a resolution.

The following Oracle payment partners are validated:

- [ACI Worldwide, Inc.](#)

The table below represents the OPI Retail transaction processing messages which are referenced in the validation table for each Oracle payment partner:

Table 1–1 OPI Retail Transaction Processing Messages

Message Type	Transaction Type	Function Description
Sale/Purchase	01	Sale/Purchase
Refund	03	Refund
Manual Authorization	37	Manual Authorization
Sales Completion	07	Sales Completion

Table 1–1 (Cont.) OPI Retail Transaction Processing Messages

Message Type	Transaction Type	Function Description
Void	08	Void
	39	Void of Refund
Reversal	04	Reversal
Trans Inq	20	Transaction Inquiry
Balance Inq	27	Balance Inquiry
Settlement	10	End-of-Day/Settlement
Gift/SVC	28	Gift/SVC Reload
	29	Gift/SVC Activate/Issue
	30	Gift/SVC Redeem
	31	Gift/SVC Void
	32	Gift/SVC Cashout (or Close Card)
ItemAdvice	43	Line Item Advice
Sale End	45	Sale End (Clear Terminal Screen)
Read Non-PCI Card	50	Request non-PCI card swipe
Check Authorization	51	Check (Cheque) Authorization
Void Check Authorization	52	Void Check Authorization
Cancel Current Transaction	53	Cancel current transaction
Get Agreement	60	Custom Forms - Get Agreement
Get Signature	61	Custom Forms - Get Signature
Get Numeric Field	62	Custom Forms - Get Numeric Field
Get AlphaNumeric Field	63	Custom Forms - Get AlphaNumeric Field
Get Date Field	64	Custom Forms - Get Date Field
Get Button Selection	65	Custom Forms - Get Button Selection
Get Radio Button Selection	66	Custom Forms - Get Radio Button Selection
Display Message	67	Custom Forms - Display Message
Display QR Code	68	Custom Forms - Display QR Code
Cancel QR Code	69	Custom Forms - Cancel QR Code

Operating Areas: US

Supported Terminals

The following terminals are supported:

Ingenico Telium RBA

- iWL250
- iWL258
- iPP320
- iPP350
- iSC480
- iSC250
- iSMPc
- iSMP4
- iUP250

Ingenico Tetra UPP

- Lane7000
- Lane5000
- Move5000

Verifone MX 900 Series Form Agent / XPI

- Verifone MX 915
- Verifone MX 925

The following table provides information relating to the compatibility of Xstore, EFTLink and ACI Worldwide, Inc. for payment terminal functionality in the context of OPI transaction types.

Table 2-1 ACI Worldwide, Inc.

Payment Terminal Function	Subtype	Oracle Payment Interface Retail Transaction Type	Xstore Release Version	EFTLink OPI Retail Core Release Version	ACI's Payment Solution- eSocket.POS - Release Version
Sign On		-	15.0	-	-
Sign Off		-	15.0	-	-
Card Payment	Payment by Credit	01	15.0	17.0	2.8
	Payment by Debit	01	15.0	17.0	2.8
	Manual Authorization	37, 07	-	17.0	2.8
Cashback	Cashback prompted on PED, return amount to POS	01	15.0	-	2.8
Check Payment / Check Verification	Payment by Check	51	17.0	18.0	2.8
Refund	Refund by Credit	03	15.0	17.0	2.8
	Refund by Debit	03	15.0	17.0	2.8
	Cardless Refund using Token	03	16.0	17.0	2.8
Reversal	Reversal of last transaction	04	15.0	17.0	2.8
	Reversal of last transaction within batch	08	15.0	17.0	2.8
DCC (currency conversion)	Foreign exchange tender amount, rate, currency code Functionality that is driven through the Core plugin by virtue of the <DeviceRequest> / <DeviceResponse> API	01, 03, 07, 20	17.0	18.0	2.8
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse>		16.0	17.0	2.8
Customer Display	Sale State Notification	43, 45	15.0	18.0	2.8
Card Swipe - non PCI Cards	Get card data	50	15.0	18.0	2.8
IP PED	Support for ethernet/wireless connected PED device	-	NA	17.0	2.8
Customer Not Present	CVV2 / AVS / partial entry on PED	01	17.0	17.0	2.8
Electronic Signature Capture	3 byte ASCII (3BA)	01	15.0	18.0	2.8

Table 2-1 (Cont.) ACI Worldwide, Inc.

Payment Terminal Function	Subtype	Oracle Payment Interface Retail Transaction Type	Xstore Release Version	EFTLink OPI Retail Core Release Version	ACI's Payment Solution-eSocket.POS - Release Version
Abort	Abort in flight transaction	53	17.0	18.0	2.8
Stored Value Cards (Gift Cards)	Redeem	30	16.0	18.0	2.8
	Redeem Reversal	31	16.0	18.0	2.8
	Cashback /Unload	32	16.0	18.0	2.8
	Load/Reload	28	16.0	18.0	2.8
	Refund	32	16.0	18.0	2.8
	Cash out (Close)	32	16.0.1	18.0	2.8
	Balance Inquiry	27	16.0	18.0	2.8
	Activate	29	16.0	18.0	2.8
	Activate and Load	29	16.0	18.0	2.8
	Activate Reversal	31	16.0	18.0	2.8
Reconciliation	Reconciliation with Closure functionality that is typically available via the hardware maintenance menu on the Xstore POS client, that is, uses the <ServiceRequest> / <ServiceResponse> API	10	15.0	17.0	-
Custom Forms	Terminal Display	67	*	18.0	2.8
	Customer Question	60	*	18.0	2.8
	Phone Number Capture	62	*	18.0	2.8
	Email Address Capture	63	*	18.0	2.8
	Signature Capture	61	*	18.0	2.8
	Customer Buttons	65	*	18.0	2.8
	Display QR Code	68	*	18.0	-
	Cancel QR Code	69	*	18.0	-

* Denotes that the system integrator would have to implement this functionality in the Xstore custom overlay.