Oracle Hospitality Payment Interface OPERA Reservation System (ORS) OPI Installation Guide



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# Contents

Contents	3		
Preface	4		
1 Pre-Installation Steps	1-1		
2 ORS-OPI Considerations	2-1		
3 ORS-OPI Communication Flow Diagrams	3-1		
4 Installing the OPI	4-1		
5 OPERA (ORS) Configuration	5-1		
Creating an EFT Interface	5-2		
Configuring the OPI for ORS			
Credit Card Type Payment Setup Information	5-7		
Perform Bulk Tokenization	5-12 5-15		
	0.10		

## Preface

#### Purpose

This document describes how to organize environments for an installation of the Oracle Payment Interface (OPI) for OPERA Reservation System (ORS) On Premise Token Exchange Service.

#### Audience

This document is intended to cover the additional steps required to setup OPI-ORS to handle the On Premise Token Exchange functionality.

This document covers only the configuration of the additional On Premise Token Exchange functionality, it does not cover in detail, installation of the OPI software and IFC8 merchant configuration, separate documentation already exists to cover this.

#### **Customer Support**

To contact Oracle Customer Support, access the Customer Support Portal at the following URL:

#### https://iccp.custhelp.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

#### **Documentation**

Oracle Hospitality product documentation is available on the Oracle Help Center at

http://docs.oracle.com/en/industries/hospitality/

#### Table 1 Revision History

Date	Description
June 2024	Initial Publication

# 1 Pre-Installation Steps

The Oracle Token Proxy Service is required to tokenize card data manually entered into ORS. ORS can be deployed with or without the ORS Database Integrated to OPERA PMS. The following explains the components required depending on the ORS Set Up.

Follow this link for Minimum Software and Hardware requirements for the Token Proxy Service. https://docs.oracle.com/en/industries/hospitality/integration\_platforms.html

- 1. ORS Database integrated with OPERA PMS.
- For an OPERA On Premise solution, the Token Proxy Service is installed on-premise
- For an OPERA 5 Hosted solution, or OPERA Cloud, the Token Proxy Service is hosted by Oracle.
- 2. ORS Database NOT integrated with OPERA PMS
- The Token Proxy Service is installed in the same environment where ORS is hosted

# 2 ORS-OPI Considerations

- **Tokenization**: Tokenization of the card data would run one resort at a time. Multiple resorts can also be selected if tokenized at the same time.
- **Bulk tokenization**: Since there are no financial transactions processed in ORS, there is nothing to settle at the ORS level. All the financial transactions for a reservation are processed at the PMS level.

# 3 ORS-OPI Communication Flow Diagrams



The below diagram depicts the ORS (Separated from PMS).

Use Case
A. ORS - Making Reservation: Multi-Property
1. ORS Client Sends Token request to TPS
2. TPS sends Token request to PSP External Server
3. PSP returns the confirmation + Token to TPS
<ol> <li>TPS Sends Token to ORS Client→ORS DB</li> </ol>
5. ORS DB Sends Reservation including the Token to OPERA PMS
B. OWS Multi-Property:
When Raw CC sent:
OWS REQUEST
1. Card Data sent from Ext System to OWS
2. OWS sends Card Data to TPS
3. TPS forwards Card Data to PSP External Server
4. PSP External Server returns the Token to TPS
5. TPS returns token to OWS
6. OWS inserts Token and Reservation Data to ORS Database
7. ORS sends Token and Reservation Data to PMS
OWS RESPONSE
8. OWS retrieves Token from ORS Database
9. OWS sends Token to TPS.
10. TPS sends Token to PSP.
11. PSP returns PAN (Raw CC) to TPS.
12. TPS return PAN to OWS.
13. OWS sends PAN back in the response to the External System
When a Token is Sent
1a. Token sent from Ext System to OWS
2a. OWS inserts Token and Reservation Data to ORS Database
3a. ORS sends Token and Reservation Data to PMS

- 4a. OWS retrieves Token from ORS Database
- 5a. OWS sends Token back in the response to the External System

# 4 Installing the OPI

### **NOTE**:

OPI deployment for ORS, requires the Token Proxy Service to be installed as ONLY GetToken transactions will be performed. CHIP&PIN setup is NOT required.

Please refer the Oracle Documentation Website locations for the latest Oracle payment Interface and Self Hosted Token Proxy installation document:



# 5 OPERA (ORS) Configuration

#### NOTE:

The OPI Interface Configuration for ORS needs to installed and activated. This Configuration option is available only when the *Credit Card Deposit Payment* function in Application Settings is turned on. Follow the below instructions to verify this is turned on.

- 1. Log in to ORS/CRO and go to Configuration.
- 2. Go to Setup | Application Settings.



3. Select the Global | Reservation | Functions | Credit Card Deposit Payment option.

	OPERA Res	ervation/Inform	OPERA Reservation/Information System [Version 5.5.0.34]			KISA		14-APR-21	- 0
Window							_		
MFSUPPORT01									
Ext	Reservations	Availability	Pr	rofiles	Membership	Miscellaneous	Setup	elo Helo	
Sales Screen	हे ह	A - Application Set Global	ings C CBO		C Property				
Business Block	Gro	up			C Eunctions	C Param	neters	C	Settings
Blocks	ACT	IVITY ICK8		X	Name				<u> </u>
Wattist	CAS	HIERING NTRACTS		X	AUTO ATTACH ELEME CREDIT CARD DEPO	ENTS SIT PAYMENT			
Confirmation	END	O OF DAY	-11	X	PARTY PAYMENT TYPES PER	WINDOW			
Occupancy	GEI	VERAL			RESERVATION ACCE	SS CONTROL			
Graph	IFC		_		RESERVATION UPSE	LL			
Trace	LEA	D	- 11	X	TURNAWAYS				
	MEN	ABERSHIP	- 11		VOUCHERS				
	DEL	20	- 11	-					
	PRO	FS .	- 11	-					
	RES	BERVATIONS		-					
	SEL	LING SCREEN					R		
			-11						-
				Activa	te Credit Card Deposit F	ayment Functionality			-
			_						-
			_					Find Edit	Çlose

4. Click Edit and change the value to "Y".



# Creating an EFT Interface

- 1. Log in to ORS/CRO and go to Configuration.
- 2. Select the menu option Setup | Property Interfaces | Interface Configuration. If there is no active EFT or CCW IFC Type, select New to add the configuration for a new EFT interface.

Each time you need to configure a property specific setting needs to be configured (transaction code, payment methods and so on) they must be set up at the property level and the specific property needs to be selected.

	Resort	x		naceid	L	
. 1	Find %				4	
erfaces   :	-		es   Controlle	r Regist	ry	Start
WFIVM	Resort	Resort Name		IFC TV	Status	Sigit
MOTTI	001	Property 1 Opera Demo Mi	ace	CCW	EL.NIM NE	Stop
LNOTS	002	PROPERTY 2 OPERA DE		EFT	STOPPED	Star
	003	Property 3 Opera Demo Mi	- donot use	CCW	RUNNING	Stop
LNOTO	004	Opera Demo Hotel, Small		XML	RUNNING	Cop
LNOIS	005	Opera Demo Hotel, Small		EFT	STOP INITIATEI	
SEFIVE	006	Opera Demo Hotel, Small		CCW	RUNNING	
LNOT S	007	Opera Demo Hotel, Small		CCW	RUNNING	
SEPARA	372	لٹے <sub>ا</sub> مین سیار میں		CCW	RUNNING	Unara
LNOTS	<u></u>			CCW	RUNNING	Upgra
TORONT	F	ind OK Cancel		EFT	WAITING	M/C S
	-			CCW	RUNNING	New
	W W E			_		1000000

NAPLES - Interface Status						
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Interfaces Schema En	Resort Inte	es Failed Messa	ges Controller	Registry		Beinit All       Start All       Stop All       Stop       Copy
						Upgrade M/C Se New Edit Delete Qlose
C Veb Configuration - New FC Type EFT * Product Code OPI License Code 987654 FC8 Generate XML	Name Oracle F Machine I Prod Cd (ML_OF	Payment Interface]	(F TCP/IP (	nmunication C Serial	) )	QK Close

- 3. Enter the following options, and then click **OK**:
  - a. IFC Type: EFT
  - b. Name: Oracle Payment Interface for ORS
  - c. Product Code: OPI
  - d. Machine: Select the machine
  - e. License Code: License code for interface
  - f. IFC8 Prod Cd: XML\_OPI

- OPERA Configuration[Version 5.6.13.0] NAPLES - Naples 31.08.20 Window EIFC Web Configuration - Edit Interface # 543 IFC Type EFT I roduct Code OP Menu type \* Menu name icense Code 7 Name Opera Payment Interface Machine WFIVM02848 - Controller Port 5001 Version 13.2.0 Iterface ID OP01 8 Product Code XML OP1 Vnc Port 5800 Cashier 158 \* Program c'fidelio'ifc8'ifc8 exe Timeout 240 P Active sg Expires after Use Data Thro. T Display I ... F Auto s. Path ID 1 XML Configuration Class of Service Import Rooms Workstation Setup Translation Custom Data General Handle night audit comm. Port COM P CC Vault Function IP Address EFT Setup □ Stored Value Sys. P Regular Transacti. Token URL Courtesy Card Ha. Room Translation orn Num Line Num Typ . Search Search ٠ From ٠ New To . Dek • Generate &ML Save Çlose
- 4. On the configuration screen below, select the following:

- a. Select the check box to enable the CC Vault Function.
- **b.** Define the **Timeout** value as 210.
- 5. Select the Translation tab, and then click Merchant ID.

OPERA Configuration[Version 5.6.13.0]	NAPLES - Naples	31.08.20		
Window				
BIFC Web Configuration - Edit				
Interface # 543				
IFC Type EFT ± roduct Code OPI	Menu type	. ▲ Menu name	icense Coo	le 7
Name Opera Payment Interface	Machine WFIVM0	2848 Controller Port 50	001 Versio	on 13.2.0
Interface ID OP01 8 Product Code XML	OPI Program c:\fidelio	Vinc Port 58	300 Cashie	er 158 ±
🖾 Active 🗆 Display I	Auto s Path ID 1	Timeout 240 Isg Expires after		Use Data Thro
XML Configuration Ger	eral Class of Service	Import Rooms   Workstation Setup	Translation	Custom Data
Se	lect Translatio	Origin Co	deMerchant ID	
01	Merchant ID	Merchant ID Translatio	n - New	
	Article Number Language Co			- 11 - 11
0	Key Options	Origin Code (Default	· ·	
Buest nur	mber length 🔽 Upd	Merchant ID		-
Guest Ms	sa ID length 🔽 Upd	ОК	Close	<u>N</u> ew
iroup pur	mber length 🔽 Und			<u>E</u> dit
Defa	ault Charge			■ Delete
	····· ·······			
Room	Translation			
		Room Nur	n Line Num T	ype - Search
Search	•			
From	· ·			New
То	-			Edit
				Delete
		Generate XML	Save	Close

6. Select **New** to add the Merchant ID. This must be the same as previously configured in OPI (MPG) Configuration.



OPERA Configuration[Version 5.6.13.0]	NAPLES - Naples	31.08.	20		
Window					
BIFC Web Configuration - Edit					
Interface # 543					
IFC Type EFT + roduct Code OPI	Menu type	🗶 Menu name		icense (	Code 7
Name Opera Payment Interface	Machine	•	Controller Port 500	1 Ve	rsion 13.2.0
Interface ID OP01 8 Product Code XML OPI	Program	*	Vnc Port 580	0 Ca	shier 158 ±
Active Display I Auto s	Path ID 1	Timeout 240	Isg Expires after		Use Data Thro
XML Configuration General	Class of Service	Import Rooms	Workstation Setup	Translation	Custom Data
© Merchant ○ Article Nu ○ Language ○ Key Optic Buest number leng Guest Msg ID leng Broup number leng Default Charge Room Transt Search	ID mber e Co ms th Vpd   th Vpd   th Vpd   pe ation	]	Room Num	GENIMEAD	v v v v v v v v v v v v v v
From To	•				New Edit Delete
			Generate XML	Save	Close

# Configuring the OPI for ORS

- 1. Log into ORS.
- 2. Go to Configuration | Setup | Property Interfaces | Interface Configuration | edit EFT IFC OPI | Custom Data tab.
- 3. The Token URL is accessible from Configuration | Setup | Property Interfaces | Interface Configuration | edit EFT IFC OPI | General.

FC Web Configuration - Edit			
Interface # 12845 IFC Type EFT + Product C Name OPLEFT Interface ID FI01 IFC8 Product (	Code FID Menu type Machine DENOO Code FID Program	Menu name     Controller Port 5001     Vnc Port 5000	License Code 12345678 Version 9.6.11 Cashier ID 34
R Active Y/N Displa	ay IFC Auto start Path ID 1	Timeout 192 Msg Expires after	Use Data Through
	User Defined HTTP_PASSWORD HTTP_USERNAME VAULT_CERT_CHAIN_CODE VAULT_ID VAULT_MAX_CC_PROCESSED WALLET_PASSWORD	Value	
	Room Translation Search  From  To	Room Num Lin	e Num Type Search New Edit Delete
-		Generate XML	Save Close

- OPERA uses the CREDIT CARD VAULT CHAIN CODE for the certificate lookup and should be populated with what was entered during the OPI configuration for PMS.
- The CREDIT CARD VAULT WEB SERVICE URL should be in the following format:

Example: https://OPIHost or address :OPITokenPortNumber/TokenOPERA

E IFC Web Configuration - Edit					<u> </u>
Interface # 12845					
IFC Type EFT 👱 Produc	t Code FID Menu type	🛓 Menu name		License Code 123456	578
Name OPI_EFT	Machine DEN00	QDA 💌	Controller Port 5001	Version 9.6.11	
Interface ID FI01 IFC8 Produc	t Code FID Program c:\fide	lio\ifc8\ifc8.exe	Vnc Port 5800	Cashier ID	34 ±
🗹 Active Y/N 🗌 Disp	olay IFC 🗌 Auto start 🏻 Path ID 🕇	Timeout 192	Msg Expires after	🗌 🗆 🗆 Use Da	ata Through
XML Configuration	General Class of Service	Import Rooms	station Setup Translation	Custom Data	
	Handle night audit commands CC Vault Function  FT Setup  Regular Transaction  Courtesy Card Handling	Port COM IP Address Stored V Token URL https://OPII	/alue System HostIP:OPITokenPortNumber/T	okenOPERA	
	Room Translation	_	Room Num Lin	e Num 🛛 Type 🔺	Search
	Search 🗨				000.00
	From				Maur
	To				Edit
				<b></b>	Delete
			Generate XML	Save Cl	ose -
٠l					

- The CREDIT CARD VAULT ID can be set to the Interface # displayed above in the IFC title bar.
- The CREDIT CARD MAX CC PROCESSED is set to what the Payment Partner can support for the number of rows sent in one Token (GetID/GetCC) request. This is used during the bulk tokenization process and when multiple folio windows exist on OPERA Reservations. 50 is the default used when nothing is set here (This is determined by the Payment Partner/Vendor; verify with the Partner/Vendor, the number of credit cards that can be processed per batch).

# Credit Card Type Payment Setup Information

The OPERA Card Types are linked to the OPI Merchant Tenders. The common Credit Card types are automatically included in the OPERA Configuration (AB, AM, AX, CB, CU, DC, DS, DT, EC, ER, JC, JL, LP, MC, NB, SO, SV, SW, VA, XY, ZZ) and others can be created as needed. Each OPERA PMS Credit Card Payment Method will have its own Credit Card Type and transaction code.

# Sample List of Card Types

Payment Types - Customer Present (Chip & PIN)	Description	Capture Method
VA	Visa	CP can be used. Transaction will go to the EMV (Chip & PIN) device.
MC	MasterCard	CP can be used. Transaction will go to the EMV (Chip & PIN) device.
AX	American Express	CP can be used. Transaction will go to the EMV (Chip & PIN) device.
DC	Diners Club	CP can be used. Transaction will go to the EMV (Chip & PIN) device.
JC	JCB	CP can be used. Transaction will go to the EMV (Chip & PIN) device.
CU	China Union Pay	CP can be used. Transaction will go to the EMV (Chip & PIN) device.
VD	Visa Debit	CP cannot be used, manual card type selection is required. If CP is used, OPERA will default to Visa. Transaction will go to the EMV (Chip & PIN) device.
MD	MasterCard Debit	CP cannot be used, manual card type selection is required. If CP is used, OPERA will default to MasterCard. Transaction will go to the EMV (Chip & PIN) device.
CD	China Union Pay Debit	CP cannot be used, manual card type selection is required. If CP is used, OPERA will default to China Union Pay. Transaction will go to the EMV (Chip & PIN) device.
MS	Maestro	CP can be used, but PayOnly recommended. Transaction will go to the EMV (Chip & PIN) device. Customer present ONLY!
VP	V-Pay	CP can be used, but PayOnly recommended. Transaction will go to the EMV (Chip & PIN) device. Customer present ONLY!
BC	GiroCard	CP can be used, but PayOnly recommended. Transaction will go to the EMV (Chip & PIN) device. Customer present ONLY!

Payment Types - Customer Present (Chip & PIN)	Description	Capture Method
AB	AliPay	CP can be used, but PayOnly recommended. Transaction will go to the EMV (Chip & PIN) device. Customer present ONLY!

Payment Types – Customer NOT Present (Keyed)	Description	Capture Method
KVA	Visa Credit Keyed	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)
КМС	MasterCard Credit Keyed	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)
КАХ	American Express Keyed	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)
KDC	Diners Club Keyed	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)
KJC	JCB Keyed	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)
KCU	China Union Pay Keyed	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)
KVD	Visa Debit Keyed	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)
KMD	MasterCard Debit Keyed	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)
KCD	China Union Pay Debit keyed	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)

Payment Types – One Shot Cards (Keyed) OPTIONAL!!!	Description	Capture Method
VVA	Visa Virtual	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)
VMC	MasterCard Virtual	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)
VAX	American Express Virtual	Card not present transaction (CNP, MO/TO, Mail Order / Telephone Order, MOTOEC)

## **Individual Card Functions**

Payment Types - Customer Present (Chip & PIN)	Authorization at Check-in	Pay Only (no Authorization)	Deposit Y/N	Cashier Payment Y/N	A/R Payment Y/N
VA	Y	N	N	Y	N
MC	Y	Ν	Ν	Y	Ν
AX	Y	Ν	Ν	Y	Ν
DC	Y	Ν	Ν	Y	Ν
JC	Y	Ν	Ν	Y	Ν
CU	Y	Ν	Ν	Y	Ν
VD	Ν	Y	Ν	Y	Ν
MD	Ν	Y	Ν	Y	Ν
CD	Ν	Y	Ν	Y	Ν
MS	Ν	Y	Ν	Y	Ν
VP	Ν	Y	Ν	Y	Ν
BC	Ν	Y	Ν	Y	Ν
AB	Ν	Υ	Ν	Υ	Ν

Payment Types - Customer NOT Present (Keyed)	Authorization at Check-in	Pay Only (no Authorization)	Deposit Y/N	Cashier Payment Y/N	A/R Payment Y/N
KVA	Y	Ν	Y	Y	Y
KMC	Y	Ν	Y	Y	Y
KAX	Y	Ν	Y	Y	Y
KDC	Y	Ν	Y	Y	Y
KJC	Y	Ν	Y	Y	Y
KCU	Y	Ν	Y	Y	Y
KVD	Ν	Y	Y	Y	Y
KMD	Ν	Y	Y	Y	Y
KCD	Ν	Y	Y	Y	Y

Payment Types – One Shot Cards (Keyed) OPTIONAL!!!	Authorization at Check-in	Pay Only (no Authorization)	Deposit Y/N	Cashier Payment Y/N	A/R Payment Y/N
VVA	Ν	Υ	Ν	Y	Ν
VMC	Ν	Y	Ν	Y	Ν
VAX	Ν	Υ	Ν	Υ	Ν

### **Important Considerations**

- Transaction codes for Chip & PIN, KEYED and VIRTUAL cannot be the same.
- SOLO cards does not exist anymore, and cannot be used.
- VISA ELECTRON and VISA DELTA should not be created as separate transaction / payments codes, these cards will fall under VISA.
- DISCOVER cards now fall under DINERS CLUB.
- VIRTUAL cards can only be VISA, MASTERCARD and AMERICAN EXPRESS.
- V-Pay, GiroCard and AliPay can only be Chip & PIN.

### **Update OPI Configuration Merchant Tenders**

Enter the OPERA payment code for each card type, and then click Next.

Oracle	Payment Interfa	ce - Configuration Wizard			
Oracie	r ayment mena				
Merchant Tender Confi	guration				
		Tenders:			
OPERA Chain Code:	FSDH	Card Type		Payment Code	
Property Code:	FSDH	AliPay		AB	â
	10011	Alliance		AL	
		American Express		AX	U
		China UnionPay		CU	
		China UnionPay Debit		CD	
		Debit		DD	
		Diners Club		DC	
		Discover		DS	
		EC Chip		EC	
		Hint: Double-click to edit a cell and your change or, Escape to cancel it	d then pr	ess Enter to submi	t
		Back		Next	Cancel

# Certificate Import using Microsoft Management Console

All the ORS Client terminals that need to perform Token Exchange requests need client certificates to be imported into Trusted Root Certification Authorities using mmc.exe. These certificates will be generated when OPI is installed. OPI Installer will provide copies of these certificates.

#### **NOTE:**

For the following OPERA versions, the Mutual Authentication requirement was removed for OPI TPS communication.

- OPERA V5.5.0.24.4 and V5.6.6.
- OPERA Cloud 19.4.0.0 and 1.20.16.0.
- 1. Find and open mmc.exe from Start menu.

Durana (I)
Programs (1)
nmc.exe
See more results
/
Com.
A Start

2. Go to File | Add or Remove Snap-ins, add certificates to Selected snap-ins, and then click OK.

Computer Managem       Microsoft Cor         Device Manager       Microsoft Cor         Disk Management       Microsoft Cor         Event Viewer       Microsoft Cor         Folder       Microsoft Cor         Group Policy Object       Microsoft Cor         IP Security Monitor       Microsoft Cor         Link to Web Address       Microsoft Cor	ap-in ActiveX Control Authorization Manager Certificates Component Services	Vendor Microsoft Cor Microsoft Cor Microsoft Cor	Certificates - Current User	Edit Extensions Remove Move Up
Link to Web Address Microsoft Cor	Computer Managem Device Manager Disk Management Event Viewer Folder Group Policy Object IP Security Monitor	Microsoft Cor Ad Microsoft Cor Ad Microsoft Cor Microsoft Cor Microsoft Cor Microsoft Cor	<del>d &gt;</del>	Move Down
Local Users and Gro Microsoft Cor	Link to Web Address	Microsoft Cor		Advanced

3. Expand Certificates, expand Personal or Trusted Root as required, and then select **Certificates**.



4. Right-click **Certificates**, select **All Tasks**, and then select **Import**.



- a. On the Certificate Import Wizard Welcome page, click Next.
- b. Browse to the location of the certificate file, and then click **Next**.
- c. If required enter the password relevant to the certificate you are importing, and then click **Next**.

d. If the import is successful, then the certificates, common Name will be listed under the folder that was selected during import.

## Perform Bulk Tokenization

1. Test Connection. This is done from the **Utilities** Module.



2. From the Utilities module, select the Convert Vault CC Information option.



3. Click **Test Client** (this will verify that the certificate is loaded on this machine where OPERA is accessed). A credit card number is needed to verify that the token can be retrieved successfully. Once successful, the Vault Conversion process can be run.

"Passed" test will activate the **Pre auth**, **C/I auth**, **Future CC** and **Convert CC** options. If the test fails, refer to HTTP\_TRANSACTIONS\_LOG to check the reason for the failure.

FSDH - Credit Card Va	ult Conversion				
Credit Card Vault	Conversion Status				
Table Name	Total Records	# Processed	% Completed	Status	Iest
					Passed
					Ere Auth
					Cil Auth
					Euture CC
					Convert CC
					Çlose



4. Convert Future Guest Credit Cards. Click **Future CC**, if needed or the **Convert CC** action will convert all the existing data.

ult Conversion				
Conversion Status				
Total Records	# Processed	% Completed	Status	Iest
				Passed
				Pre Auth
				C/I Auth
				Euture CC
				Convert CC
				Close
	ult Conversion Conversion Status Total Records	ult Conversion Conversion Status Total Records #Processed	Ult Conversion Conversion Status Total Records # Processed % Completed	Ult Conversion Conversion Status Total Records # Processed % Completed Status

Populate the parameters as needed.

- Resort: This allows you to choose a specific resort to convert in a multi property environment. Leave blank if you are working on a single property or want to convert all resorts in the schema.
- Arrive To: This is the arrival date you want the system to convert out to. The next business date should suffice unless you are working in a multi property environment where the conversion might take several days.

FSDH - Credit Card Va	ault Conversion			
Credit Card Vaul	t Conversion St 📷	Convert Future Quest Credit Cards		Test 1
Table Name	Total		Status	lest
		Resort		Passed
				Pre Auth
		Arrival To		
				Cri Auth
		QK Close		Euture CC
				Convert CC
		1 1		Close

- Once the parameters are populated, click OK.

🙀 FSDH - Credit Card Va	ult Conversion		
Credit Card Vaul	Conversion St		
Table Name	Total	Otabue	Test
radie Name	Total	otanus	Passed
	Resort	1	
			Pre Auth
	Arrival To 09/27/11		014.4
			Cri Auth
	QK Close		Euture CC
			Convert CC
	/		
			<u>Close</u>

 You are prompted with a question concerning whether you have converted all pre auth and in house guest. If you have completed this step click Yes, if not click No and go to the previous step.



- You will receive one more prompt, if you are ready to continue click **Yes**.

FSDH - Credit Card	Vault Conversion	
Table Name	Opera     This will start converting the Credit Card Data. Do you	Test Passed
	want to proceed?      Yes No	Ere Auth Cvl Auth
		Euture CC Convert CC
		Close

- Once the conversion is complete, you will view the following message.

12					
TSDH - Credit Card Vault Co					
Credit Card Vault Conv	ersion Status				
Table Name	Total Records	# Processed	% Completed	Status	lest
NAME\$_CREDIT_CARD	1	1	100	COMPLETED	Passed
	Opera	Conversion is co	mplete.		Pre Auth Crit Auth Euture CC Convert CC Close

#### **Credit Card Vault Conversion Status**

- Table Name: Name of the table that is currently having the credit card information converted.
- Total Records: Total records to be converted in this table.
- **# Processed**: Number of records that have been processed for the table.
- % Completed: Displays the percentage complete for converting the credit card information in the listed table.
- **Status**: Displays the status of the conversion, Running, Complete, or Failed.
- Credit cards are converted to tokens at a rate of 50 cards per batch.
- Convert remaining CC #'s

#### **NOTE:**

This will convert all the remaining Credit Cards which are stored in OPERA.

• Click **Convert CC**.

<ul> <li>Credit Card Vault Conv</li> </ul>	ersion Status				
Table Name	Total Records	# Processed	% Completed	Status	lest
NAME\$_CREDIT_CARD	1	1	100	COMPLETED	Passed
					Ere Auth
					C/I Auth
					Euture Co
					Convert C
					Close

- You will receive a prompt requesting if you have completed the conversion of the pre auth and in house guest.
  - Yes Initiates the conversion for the rest of the database.
  - $\circ$  No Takes you back to the form to allow you to run the pre auth and C/I Auth process.

🙀 FSDH - Credit Card Vau	Conversion	
Credit Card Vault C	onversion Status	
Table Name	Opera XI 8	Iest
NAMES_CREDIT_CARD	Have you done the Pre Auth and C/I Auth transactions?	ETED Passed
		Ere Auth
	Yes No	C/I Auth
		Euture CC
		Convert CC
		Close

 You will receive another prompt requesting if you want to proceed. Click Yes if you want to proceed.

onversio	n					
version	Status					
Opera					×	
	This will start want to proce	converting tř ed?	ne Credit (	Card Data. [	Do you IP	LET
	[	Yes	No			

 The grid will start an update as the conversion proceeds. There will be a flashing "RUNNING" box as the process proceeds, and with each flash the grid will update the status.

Credit Card Vault Conversion Status						
Table Name	Credit Card Vault Conversion Utility (2.8,2.0) Status					
NAME\$_CREDIT_CARD		COMPLETED	Passed			
	-6		Ere Auth			
	Retrieving Unique ID. Please wait		C/I Auth Euture CC			
			Convert CO			
			Close			

#### **Credit Card Vault Conversion Status**

 Table Name: Name of the table that is currently having the credit card information converted.

- Total Records: Total records to be converted in this table.
- **# Processed**: Number of records that have been processed for the table.
- % **Completed**: Displays the percentage complete for converting the credit card information in the listed table.
- **Status**: Displays the status of the conversion, Running, Complete, or Failed.
- The conversion processes 50 cards per transaction. Click OK.

Table Name	Total Rec Onera	bleted	Status	Test
NAME\$_CREDIT_CARD	6	Conversion in complete	COMPLETED	Passed
STAGES_PROFILE_CARDS	•	Conversion is complete.	COMPLETED	Ere Auth
		QK		C/I Auth
				Euture CC
				Convert CO
				Close