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



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Oracle Hospitality Payment Interface OPERA Reservation System (ORS) OPI Installation Guide Release 20.3

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## 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
September 2020	Initial Publication
April 2021	<ul> <li>Added Activating Credit Card Deposit Payment section.</li> <li>Updated Perform Buk Tokenization section with content and screens.</li> </ul>
June 2021	<ul> <li>Updated ORS-OPI Communication flow diagrams.</li> </ul>



Date	Description
July 2021	<ul> <li>Updated few sections with content.</li> <li>Deleted sections which are not applicable to ORS OPI Installation.</li> </ul>
October 2021	<ul> <li>Updated communication flow diagram in chapter 3 and deleted ORS Assessment for OPI-OPERA chapter</li> </ul>
April 2023	Updated communication flow diagram in chapter 3
May 2023	<ul> <li>Updated the Customer Support section with the new support portal name and URL</li> </ul>
November 2023	<ul> <li>Deleted few outdated sections across the document.</li> <li>Added content in Credit Card Type Payment Setup Information and Perform Bulk Tokenization sections</li> </ul>

# 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.

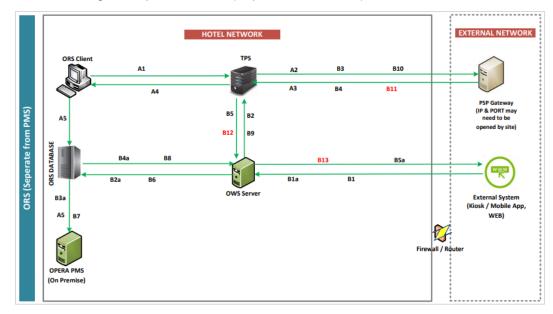
Follow this link for Minimum Software and Hardware requirements for the Token Proxy Service. https://docs.oracle.com/en/industries/hospitality/integration\_platforms.html

- 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
As OWS retrieves Taken from OPS Database

- 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.

<u>\$</u>	OPERA Reservation/Information	System [Version 5.5.0.34]	KISA	14-APR-21
Window				
MFSUPPORT01				
Exit	Reservations Availability	Profiles Membership	Miscellaneous Setu	
Sales Screen	😨 KISA - Application Settings	0 C Property		
Guick Business Block	Group		C Parameters	C Settings
Blocks		X Name		<u>^</u>
Watlist	CASHIERING	X AUTO ATTACH ELEME		
Confirmation	END OF DAY EXPORTS	X PARTY X PAYMENT TYPES PER	WINDOW	
Occupancy Oraph	GENERAL	RESERVATION ACCES	S CONTROL	
	IFC	RESERVATION UPSEL	L	
Trace	LEAD	X TURNAWAYS		
	MEMBERSHIP	VOUCHERS		
	OEDS			
	PROFILES			
	RATES			
	RESERVATIONS			
	SELLING SCREEN		k	
				<b>.</b>
		Activate Credit Card Deposit Pa	ayment Functionality	4
				Find Edit Close

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	Resort	Interface Type	A CONTRACTOR OF	rface ID	±	
terfaces :	Find %		es Controlle	r Regist	ry]	Reinit A
	Resort	Resort Name		1		Start Al
₽-MOTTI	001	Property 1 Opera Demo Mi			Status	Stop Al
LNOTS	002	PROPERTY 2 OPERA DE	ace	CCW EFT	STOPPED	Start
	003	Property 3 Opera Demo Mi	- donot use	CCW	RUNNING	Stop
₽-ODH	004	Opera Demo Hotel, Small	- donot dae	XML	RUNNING	Copy
LNOTS	005	Opera Demo Hotel, Small		EFT	STOP INITIATEI	
SEFIVE	006	Opera Demo Hotel, Small		CCW	RUNNING	
LNOTS	007	Opera Demo Hotel, Small		CCW	RUNNING	
SEPARA	<b>3</b> 10			CCW	RUNNING	Upgrade
LNOTS				CCW	RUNNING	M/C Se.
TORONT	E	ind <u>O</u> K <u>C</u> ancel		EFT	WAITING	
LDEN01	VVF	Teasure Irour a and		CCW	RUNNING	New Edit

NAPLES - Interface Status						
Resort 006		face Type	± Inter	face ID	1	Search
Interfaces Schema Err	Resort	ssages Failed Mess		Registry		Reinit All Start All Stop All Stop Copy
		-           -				Upgrade M/C Se New Edit Delete Close
	Name (0 Machine (1) Prod Cd (2)	racle Payment Interface	(* TCP/IP IP Port	mmunication C Serial		QK Qlose

- 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] N/	APLES - Naples	31.0	8.20		
Window						
BIFC Web Configuration - Edit						
Interface # 543						
IFC Type EFT 👱 roduct Co	de OPI M	enu type	.≝ Menu nam	ne	icense	Code 7
Name Opera Payment Interface	e N	lachine WFIVM	02848	Controller Port 50	01 Ve	ersion 13.2.0
Interface ID OP01 B Product Co	de XML OPI P	rogram c:\fidelig	vifc8\ifc8.exe	Vnc Port 58	00 Ca	shier 158 🛓
🗹 Active 🗌 Displa	y I 🗆 Auto s	Path ID 1	Timeout 240	Isg Expires after		Use Data Thro
XML Configuration	General	lass of Service	Import Rooms	Workstation Setup	Translation	Custom Data
	Select Transla	tio		Origin Cod	Merchant ID	<b>_</b>
	<ul> <li>Merchant ID</li> </ul>		Са м	erchant ID Translation	n - New	
	C Article Numl					
	© Key Options		Oriç	gin Code Default	-	
3	uest number length	• Upd	Mer	chant ID		
	Guest Msg ID length			ОК	Close	New
	roup number length					Edit
	Default Charge					→ Delete
6	Room Translat	tion				
			7	Room Num	Line Num	Type  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	31.08.2	0		
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	- C	Controller Port 500		rsion 13.2.0
Interface ID OP01 8 Product Code XML OPI	Program	-	Vnc Port 580	0 Ca:	shier 158 ±
P Active Display I Auto s	Path ID 1	Timeout 240 Is	sg Expires after		Use Data Thro
XML Configuration General	Class of Service	Import Rooms	Vorkstation Setup	Translation	Custom Data
C Merchant C Article Nu C Language C Key Optic Buest number leng Guest Msg ID leng Broup number leng Default Charge Room Trans	Imber e Co ons th <u>Upd</u> th <u>Upd</u> th <u>Upd</u> ge				New Edit Delete
Search From To	•		Room Num	Line Num	Type  Search  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			
IFC Type EFT Product Co Name OPI_EFT Interface ID F001 IFC8 Product Co	Machine DENGOD	Menu name Controller Port 5001 Vnc Port 5000 Timeout 192 Msg Expires after	License Code 12345678 Version 9.5.11 Cashier ID 34
XML Configuration	General Class of Service	Import Rooms Workstation Setup Translation Value CHA 12845 50 V	Custom Data
	Room Translation Search From To		Num Type Search New Edit Delete 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  EFT Setup  Regular Transaction  Courtesy Card Handling  Room Translation		/alue System HostIP:OPITokenPortNumber/T	okenOPERA	
	Room Translation	_	Room Num Lin	e Num 🛛 Type 🔺	Search
	Search 🗨				000.00
	From				Maur
	To				New Edit
					Delete
			Generate XML	Save <u>C</u> l	ose
<b>ا</b>					

- 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)
KAX	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	Ν	Ν	Y	Ν
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	Υ	Ν	Y	Ν
MD	Ν	Υ	Ν	Y	Ν
CD	Ν	Υ	Ν	Y	Ν
MS	Ν	Υ	Ν	Y	Ν
VP	Ν	Y	Ν	Y	Ν
BC	Ν	Y	Ν	Y	Ν
AB	Ν	Y	N	Y	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
КМС	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	Y	Ν	Y	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		eent Interface - Configuration Wizard 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	ess Enter to submi	t
DRACLE		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.

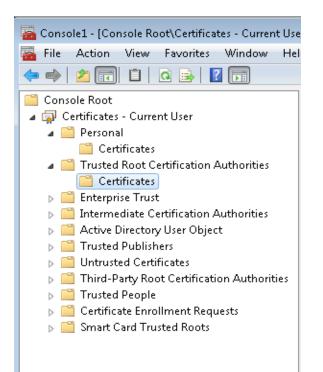
- OPERA V5.5.0.24.4 and V5.6.6.
- OPERA Cloud 19.4.0.0 and 1.20.16.0.
- 1. Find and open mmc.exe from Start menu.

Durana (I)
Programs(1)
🚪 mmc.exe
/
mmc Log off
Com.
A Start

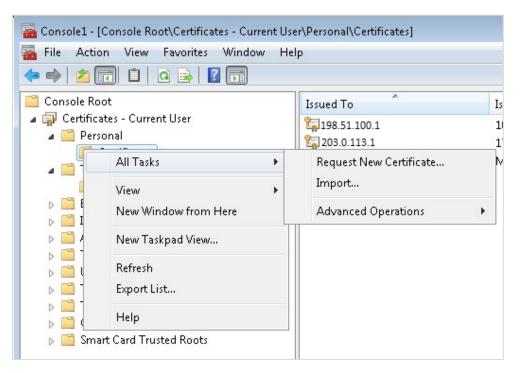
2. Go to File | Add or Remove Snap-ins, add certificates to Selected snap-ins, and then click OK.

Device Manager       Microsoft Cor         Disk Management       Microsoft and         Event Viewer       Microsoft Cor         Folder       Microsoft Cor         Group Policy Object       Microsoft Cor         IP Security Monitor       Microsoft Cor         IP Security Policy Ma       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
Advanced	Disk Management Event Viewer Folder Group Policy Object IP Security Monitor IP Security Policy Ma	Microsoft and Ad Microsoft Cor Microsoft Cor Microsoft Cor Microsoft Cor Microsoft Cor	<del>d &gt;</del>	Move Down
Local Users and Gro 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**.

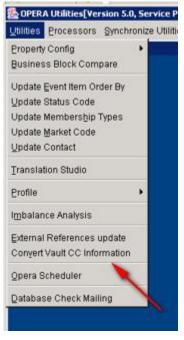
d. If the import is successful, then the certificates, common Name will be listed under the folder that was selected during import.

## 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.



 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.

		A REAL PROPERTY AND A REAL		
t Conversion				
onversion Status				
Total Records	# Processed	% Completed	Status	Test
				Passed
				Ere Auth
				Cri guth
				Euture CC
				Convert CC
				Close
		orwersion Status	t Conversion onversion Status	t Conversion onversion Status



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

Credit Card Vaul	t Conversion Status				
Table Name	Total Records	# Processed	% Completed	Status	Test
					Passed
					Ere Auth
					C/I Auth
					Euture CC
					Convert CC
					Close

Populate the parameters as needed.

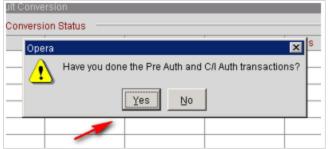
- Resort: This allows you to choose a specific resort to convert in a multi property environment. Leave blank if you are working on a single property or want to convert all resorts in the schema.
- Arrive To: This is the arrival date you want the system to convert out to. The next business date should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

			_	
FSDH - Credit Card V	ault Conversion			
Credit Card Vaul	t Conversion St 💏 👩	onvert Future Guest Credit Cards		
Table Name	Total		Status	Test
		Resort		Passed
				Pre Auth
		Arrival To		
				C/I Auth
		QK Close		Euture CC
				Convert CC
				Close

- Once the parameters are populated, click OK.

		- MARN		
FSDH - Credit Card Va				
Tetra Marca	Conversion of	nvert Future Guest Credit Cards	Low w	Test
Table Name	Total		Status	Passed
	· · ·	Resort	1	rasscu
				Ere Auth
		Arrival To 09/27/11		
				C/I Auth
		A QK Close		Euture CC
				Convert CC
				Close

 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**.

Vault Conversion	
Opera	Test Passed
want to proceed?	Ere Auth C/I Auth
	Euture CC Convert CC Close
	Opera

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

Table Name	Total Records	# Processed	% Completed	Status	Test
NAME\$_CREDIT_CARD	1	1	100	COMPLETED	Passed
	•	Conversion is co	mplete.		Ere Auth C/I Auth Euture CC
					Convert CO

#### **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**.

Credit Card Vault Conversion Status					Test
Table Name	Total Records	# Processed	% Completed	Status	Test
NAME\$_CREDIT_CARD	1	1	100	COMPLETED	Passed
					Ere Auth
					C/I &uth
					Euture CO
					Convert C

- 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	nversion Status			Test 1
Table Name	Opera		8	Test
NAME\$_CREDIT_CARD	Have you done the	Pre Auth and C/I Auth trans	PI ETED	Passed
	- 🕘 🚬			Ere Auth
	Ύε	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					× IS
	This will start want to proce	-	he Credit	Card Data. D	o you
	[	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 (2.0,2.0)	Status	Test Pessed	
NAME\$_CREDIT_CARD		COMPLETED		
	- 6		Pre Auth	
	- Retrieving Unique ID. Please walt		C/I 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.
- The conversion processes 50 cards per transaction. Click OK.

Table Name	Total Rec Opera	× leted	Status	<u>T</u> est
NAME\$_CREDIT_CARD	6 Opera	Conversion is complete.	COMPLETED	Passed
STAGES_PROFILE_CARDS	•		COMPLETED	Ere Auth
		QK		C/I Auth
				Euture CC
				Convert Co
				Close

