

Oracle Hospitality Payment Interface Cloud Service

Tenant Configuration Portal User Guide



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March 2024

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

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Preface

Purpose

This document describes configuring information required for a OPERA Cloud property to use OPI Cloud functionality for credit card, token exchange and prepaid card processing in the Oracle Payment Interface (OPI) Cloud Tenant Configuration portal.

Audience

This document is intended for OPERA Cloud users with the CCONF and PCONF roles.

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/>.

Revision History

Date	Description of Change
October 2023	Initial publication
March 2024	Updated the content in few sections based on the feedback

1

OPI Cloud Tenant Configuration Portal Overview

The Oracle Payment Interface (OPI) Cloud Service provides OPERA Cloud Users a single interface for industry-standard payment acceptance and opens the door to an ecosystem of payment services. Through the set of services offered by OPI Cloud Service, OPERA Cloud can communicate with Payment Service Providers or Prepaid Card Service Providers from cloud to cloud for card payment, token exchange, and prepaid card transactions.

The OPI Cloud configuration portal is used by OPERA Cloud users with the below roles for Tenant configuration:

- CCONF role to map the Tenant with the Payment Service Provider endpoints for credit card and token exchange transactions
- PCONF role to map the Tenant with the Prepaid endpoints for Prepaid card transactions

OPERA Cloud users with the CCONF role can access OPERA Cloud and create an Electronic funds transfer (EFT) property interface for a new property, activate the OPI Cloud credit card processing parameter for credit card integration, and connect to the OPI Cloud Service. This will launch the OPI Cloud Tenant Configuration portal where you can complete the Tenant configuration and map the Tenant with the PSP endpoints for each Transaction type (Credit/Debit Card or Token Exchange) to perform end-to-end transactions.

OPERA Cloud users with the PCONF role can access OPERA Cloud and create a Stored Value System (SVS) property interface for a new property, activate the Prepaid Cards parameter for prepaid transactions, and connect to the OPI Cloud Service. This will launch the OPI Cloud Tenant Configuration portal, where you can complete the Tenant configuration and map the Tenant with the prepaid card endpoints to perform prepaid card transactions.

Note:

If there is an existing EFT interface or SVS interface, it is recommended to delete the old interface and create a new one instead of editing the existing one.

This user can perform the following activities in the Tenant Configuration portal:

- View/Update Core Configuration Information
 - Select a Payment Service Provider and corresponding endpoints for the hotel property for card and token exchange transactions
 - Add Prepaid card endpoints for the OPERA Cloud property for prepaid card transactions
- View/Update Card Mappings
- Audit information
 - Audit Search

Prerequisites

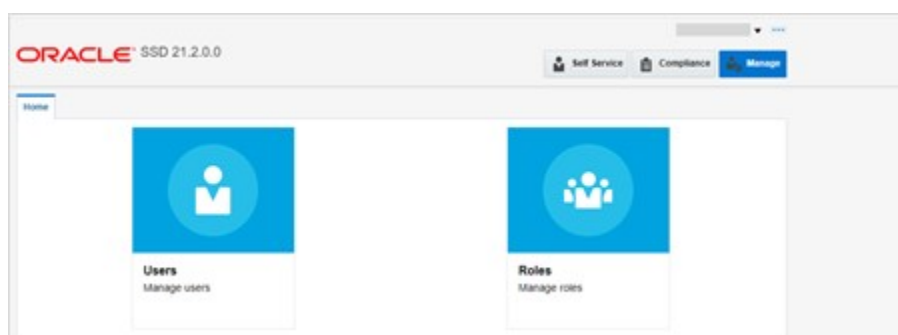
You need to have the CCONF and PCONF roles as a prerequisite to onboard a property with OPI Cloud Service using OPERA Cloud. **The CCONF and PCONF roles are seeded during the OPI Cloud onboarding.**

Manually Adding CCONF Role through OIM

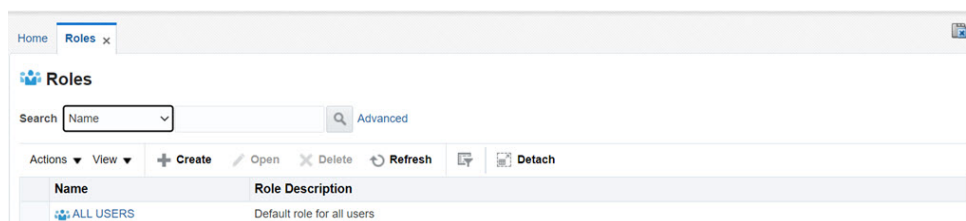
The OPERA Admin user will create the CCONF role at the CHAIN level using Oracle Identity Management (OIM) manually.

1. Log in to OPERA Cloud using the URL provided.
2. Enter your Admin **User Name** and **Password** in the fields provided.
3. From the Side Menu, select **Identity Management**.

The Oracle Identity Management screen appears.



4. Click the **Manage** tab and select the **Roles** tab to manually create a role.
The Role Information screen appears.



5. Click **Create** .
The Create Role screen appears.

Home Roles x Create Role x

Create Role

This wizard walks you through the steps to create a Role.

Back **Attributes** Hierarchy Access Policy Members Organizations Summary **Cancel** **Next**

General Role Information

Define members to this role manually.

* Name

* Display Name

Role E-mail

Role Description

* Owned By 🔍

▲ Catalog Attributes

* Category

Audit Objective

Risk Level ▼

User Defined Tags

Approver User 🔍

Approver Role 🔍

Certifier User 🔍

Certifier Role 🔍


Fulfillment User 🔍

Fulfillment Role 🔍

Certifiable

Auditable

Requestable

6. Under **General Role Information**, specify values for the fields:
 - a. **Name**: Enter name of the role.
 - b. **Display Name**: This field is automatically displayed based on the Role Name.
 - c. **Role E-mail**: Enter email id of the role.
 - d. **Role Description**: Enter description of the role.
 - e. **Owned By**: Enter the role owner details.
Click 
to search and select owner. If a value of the Owned By field is not specified, then it takes the logged-in user as the role owner.
7. You can skip the fields under **Catalog Attributes** as these are optional.

 **Note:**

A role can be created without role hierarchy, associated access policies and role members.

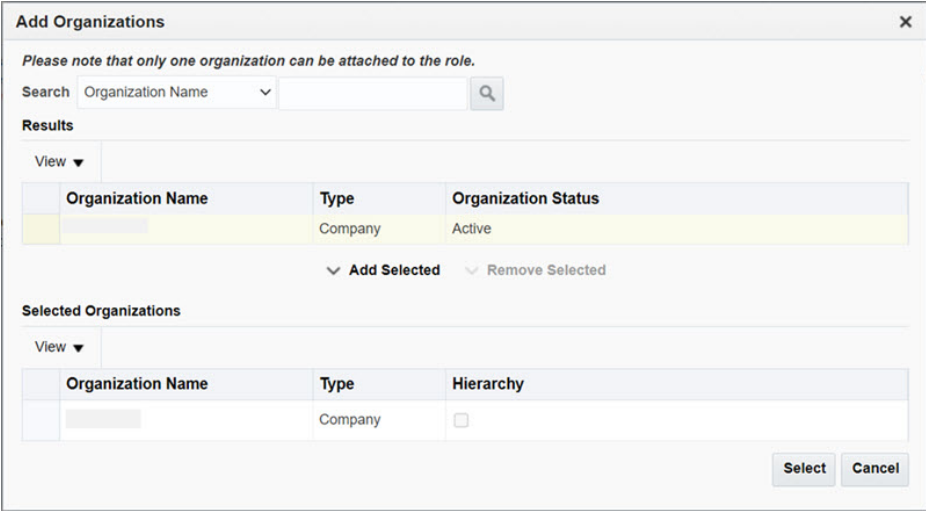
8. Click **Next** until you reach Organization page.
9. In the Organizations page, you can specify the organizations to which this role will be published.

To assign organization:

- a. Click **Add Organizations**. The search panel appears.
- b. From the list of Organizations, select the required organization and click **Add Selected** to add it to Selected Organization list.

If you want to deselect any organization from Selected Organization list click **Remove Selected**.

- c. Click **Select**. The Organizations tab is displayed with the Organization to which this role will be published.



Add Organizations ✕

Please note that only one organization can be attached to the role.

Search

Results

View

Organization Name	Type	Organization Status
	Company	Active

Selected Organizations

View

Organization Name	Type	Hierarchy
	Company	<input type="checkbox"/>

- d. Click **Next**. The Summary page of the Create Role is displayed. It displays the role summary information of the role that will be created.
10. Click **Finish**. Once the role is created successfully, you can assign CCONF role to a user. See [Assigning CCONF Role to a User](#) for more information.

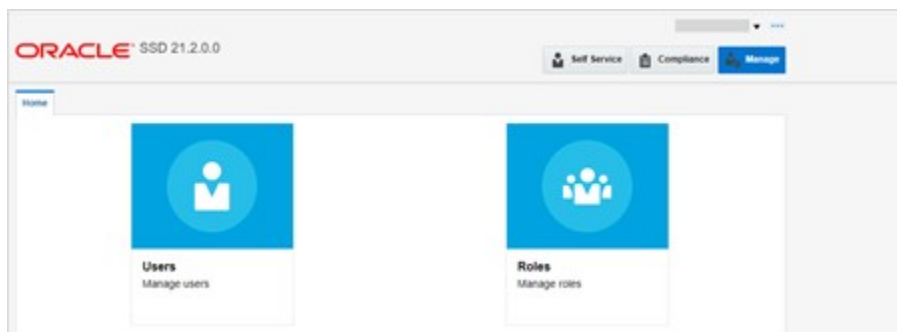
Assigning CCONF Role to a User

The OPERA Admin user will assign the CCONF role to the chain or property user using Oracle Identity Management (OIM) manually.

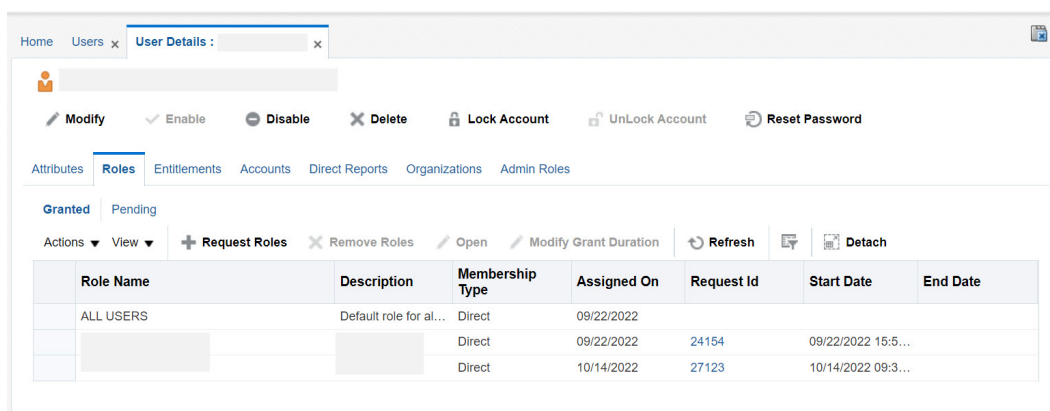
1. Log in to OPERA Cloud using the URL provided.
2. Enter your Admin **User Name** and **Password** in the fields provided.

- From the Side Menu, select **Identity Management**.

The Oracle Identity Management screen appears.

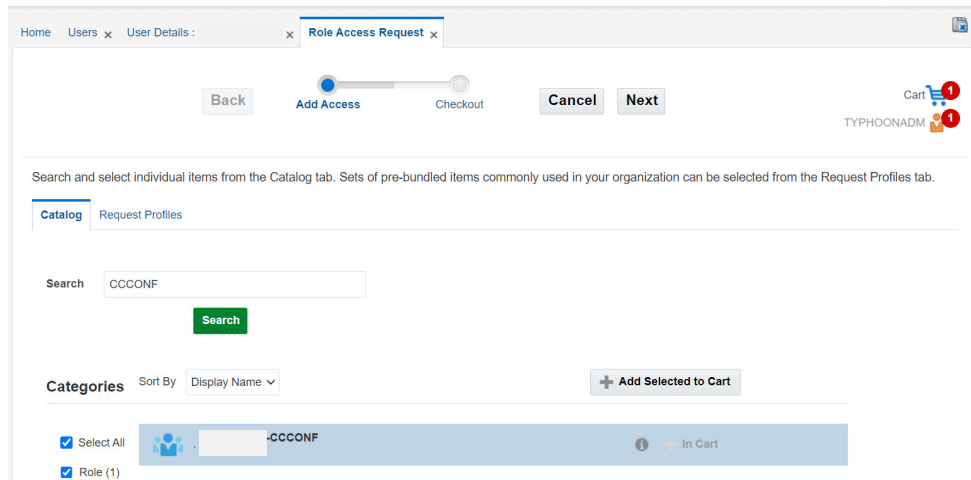


- Click the **Manage** tab and select the **Users** tab to assign the role to a user. The Users Information screen appears.
- Select the user that you want to assign the role.



The **Roles** tab appears with the list of roles assigned to the user.

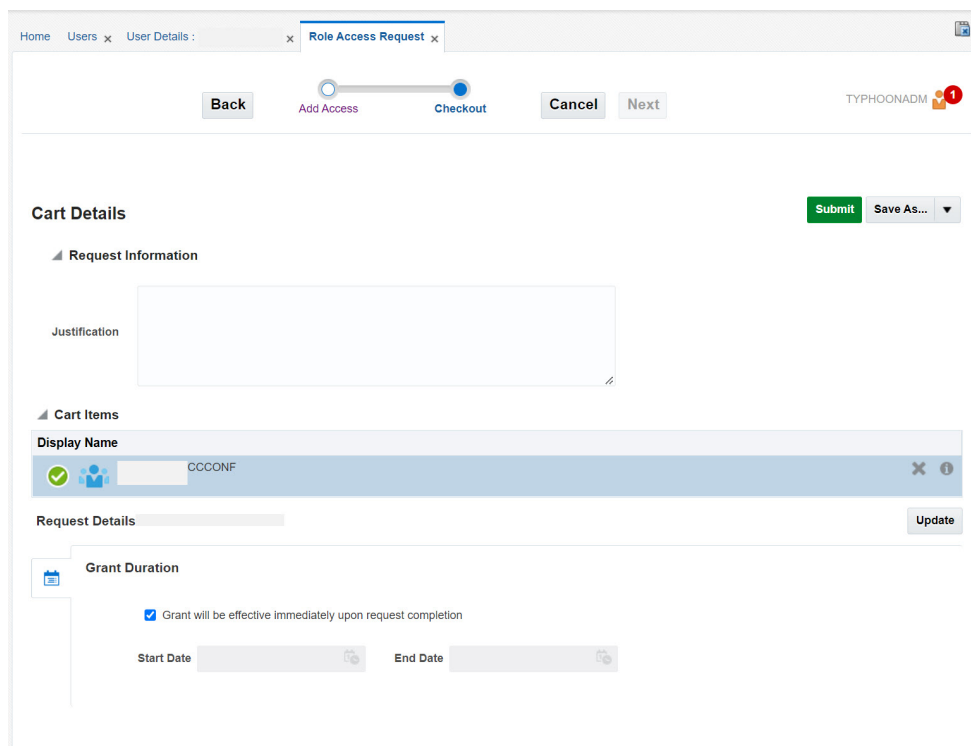
- Click **Request Role**. The Catalog screen appears.
- Click the search icon next to the Catalog field.
- Enter the CCONF role and click **Search**.
- Select the CCONF role that you want to assign. Click **Add Selected to Cart**.



The selected role catalog item is added to the request cart.

10. Click **Next** and then click **Submit** to submit the request.

The role is assigned to the user when an approver approves the request.

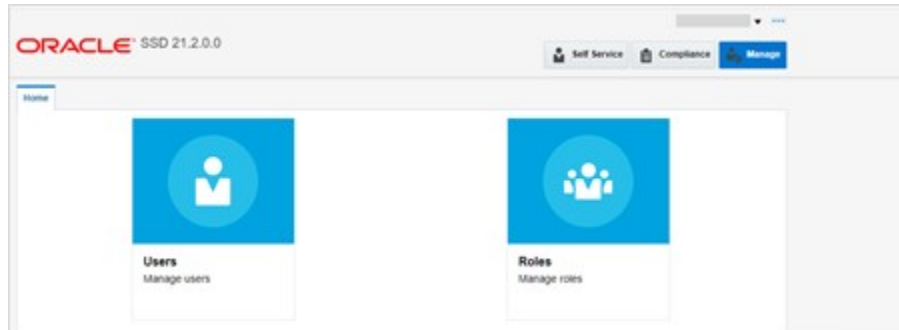


Manually Adding PCONF Role through OIM

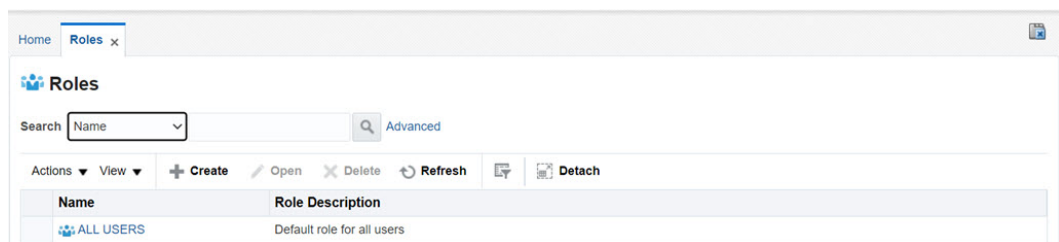
The OPERA Admin user will create the PCONF role at the CHAIN level using Oracle Identity Management (OIM) manually.

1. Log in to OPERA Cloud using the URL provided.

2. Enter your Admin **User Name** and **Password** in the fields provided.
3. From the Side Menu, select **Identity Management**.
The Oracle Identity Management screen appears.




4. Click the **Manage** tab and select the **Roles** tab to manually create a role.
The Role Information screen appears.



5. Click **Create** .
The Create Role screen appears.

The screenshot shows the 'Create Role' wizard interface. At the top, there are navigation tabs: Home, Roles, and Create Role. Below the tabs, a progress bar indicates the current step is 'Attributes', with other steps being Hierarchy, Access Policy, Members, Organizations, and Summary. The 'General Role Information' section contains the following fields: Name (PPCONF), Display Name (PPCONF), Role E-mail, Role Description, and Owned By (with a search icon). The 'Catalog Attributes' section contains: Category (Role), Audit Objective, Risk Level (dropdown), User Defined Tags, Approver User, Approver Role, Certifier User, Certifier Role, Fulfillment User, and Fulfillment Role (all with search icons). At the bottom of this section are three checked checkboxes: Certifiable, Auditable, and Requestable.

6. Under **General Role Information**, specify values for the fields:
 - a. **Name:** Enter name of the role.
 - b. **Display Name:** This field is automatically displayed based on the Role Name.
 - c. **Role E-mail:** Enter email id of the role.
 - d. **Role Description:** Enter description of the role.
 - e. **Owned By:** Enter the role owner details.
Click  to search and select owner. If a value of the Owned By field is not specified, then it takes the logged-in user as the role owner.
7. You can skip the fields under **Catalog Attributes** as these are optional.

 **Note:**

A role can be created without role hierarchy, associated access policies and role members.

8. Click **Next** until you reach Organization page.

9. In the Organizations page, you can specify the organizations to which this role will be published.

To assign organization:

- a. Click **Add Organizations**. The search panel appears.
- b. From the list of Organizations, select the required organization and click **Add Selected** to add it to Selected Organization list.

If you want to deselect any organization from Selected Organization list click **Remove Selected**.

- c. Click **Select**. The Organizations tab is displayed with the Organization to which this role will be published.

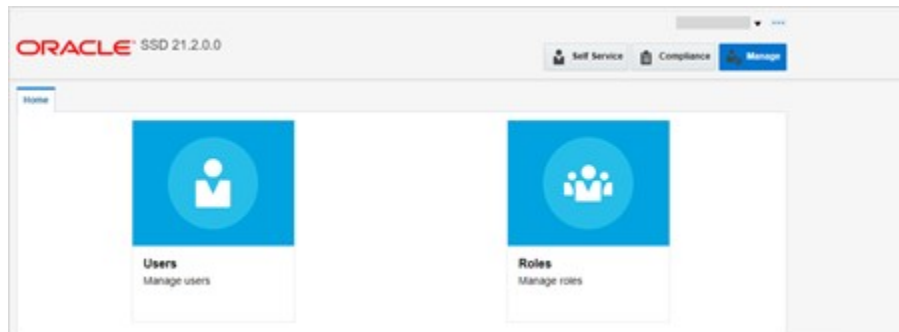
- d. Click **Next**. The Summary page of the Create Role is displayed. It displays the role summary information of the role that will be created.
10. Click **Finish**. Once the role is created successfully, you can assign PPCONF role to a user. See [Assigning PPCONF Role to a User](#) for more information.

Assigning PPCONF Role to a User

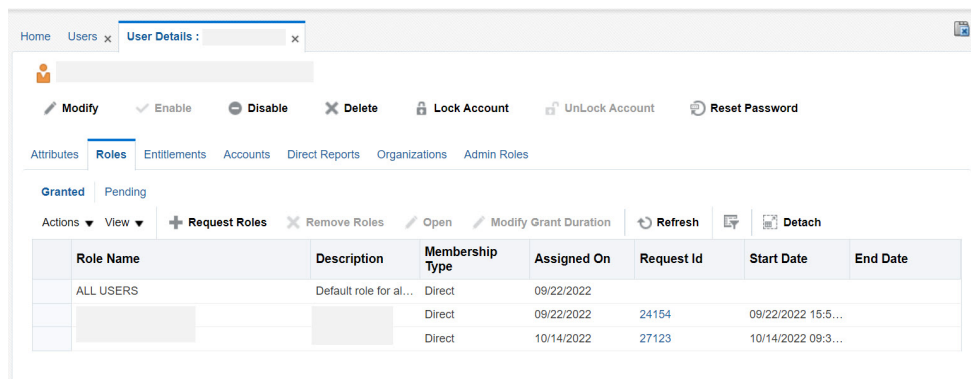
The OPERA Admin user will assign the PPCONF role to the chain or property user using Oracle Identity Management (OIM) manually.

1. Log in to OPERA Cloud using the URL provided.
2. Enter your Admin **User Name** and **Password** in the fields provided.
3. From the Side Menu, select **Identity Management**.

The Oracle Identity Management screen appears.

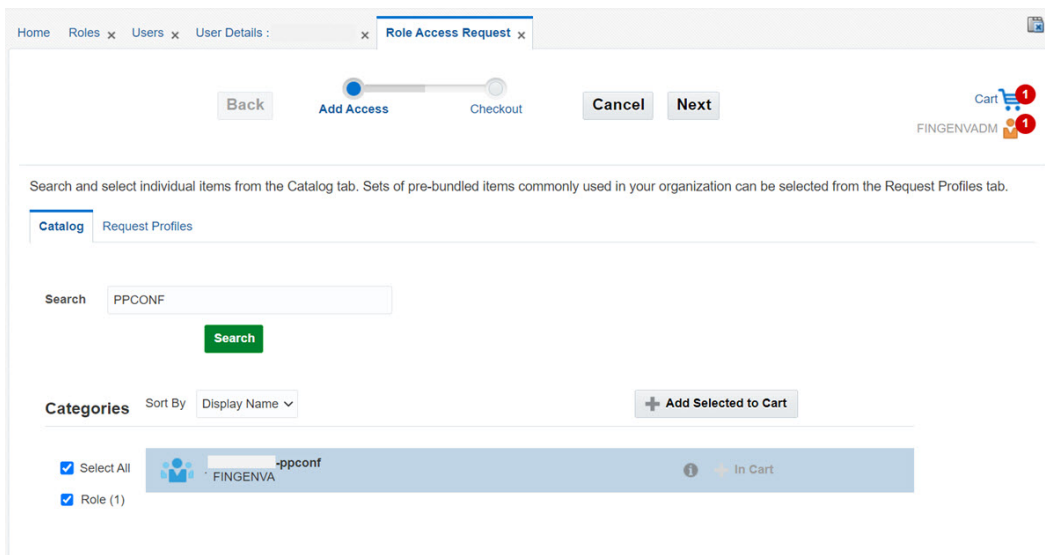


4. Click the **Manage** tab and select the **Users** tab to assign the role to a user. The Users Information screen appears.
5. Select the user that you want to assign the role.



The **Roles** tab appears with the list of roles assigned to the user.

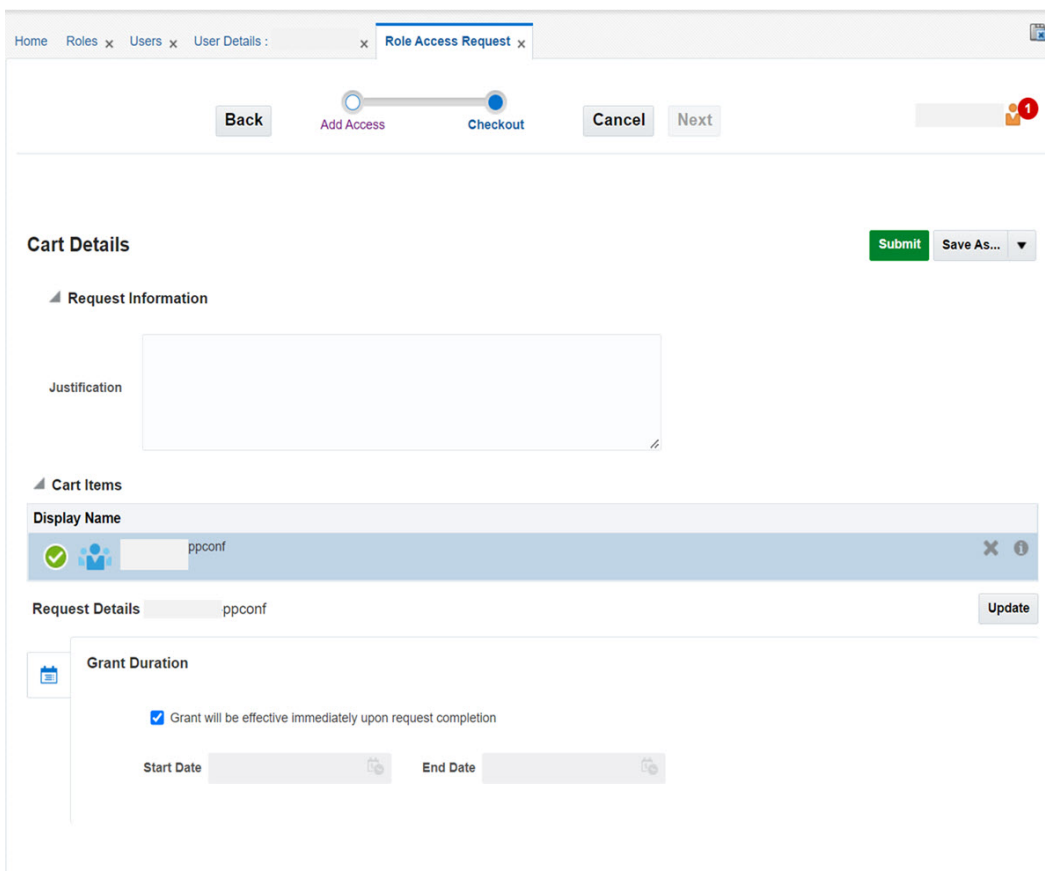
6. Click **Request Role**. The Catalog screen appears.
7. Click the search icon next to the Catalog field.
8. Enter the PPCONF role and click **Search**.
9. Select the PPCONF role that you want to assign. Click **Add Selected to Cart**.



The selected role catalog item is added to the request cart.

10. Click **Next** and then click **Submit** to submit the request.

The role is assigned to the user when an approver approves the request.



2

Onboarding a Property through OPERA Cloud

The OPERA Cloud users with the CCONF role can access OPERA Cloud and execute the following scenarios:

- Create an EFT property interface for a new property – See [Creating and configuring EFT Property through OPERA Cloud](#) for more information.
 - Configure CHIP AND PIN (EMV) for a new property – See [Configuring CHIP AND PIN \(EMV\)](#) for more information.
 - Configure OPERA Controls for Settlement at Checkout and Chip and Pin for a new property – See [Configuring OPERA Controls for Settlement at Checkout and Chip and Pin](#) for more information.
 - Activate OPI Cloud Credit Card control – See [Activating OPI Cloud Service](#) for more information.

The OPERA Cloud users with the PPCONF role can access OPERA Cloud and execute the following scenarios:

- Create a SVS property interface for a new property – See [Creating and configuring SVS property through OPERA Cloud](#) for more information.
 - Activate the Prepaid Card control – See [Activating Prepaid Card Functionality](#) for more information.

Creating and configuring EFT Property through OPERA Cloud

The OPERA Cloud users with the CCONF role can access OPERA Cloud and create an EFT property interface for a new property. Once the property is created, activate the OPI Cloud credit card processing parameter for credit card integration, and connect to the OPI Cloud Service. This will launch the OPI Cloud Tenant Configuration portal.

Note:

- If there is an existing EFT interface, it is recommended to delete the old interface and create a new one instead of editing the existing one.
- While creating an EFT property, the IFC8 required fields such as **Machine** and **Version** are mandatory in this release, and these fields will be removed in the next OPERA Cloud release.

1. Log in to OPERA Cloud using the URL provided.
2. Enter your **User Name** and **Password** in the fields provided.
3. From the **Administration** menu, go to **Interfaces | Property Interfaces**. Click **New** to add the configuration for a new EFT interface.

4. Enter the following options:
 - a. **Property:** Enter or select the property from the list. For example, OPICloudProp
 - b. **Interface Type:** Select the interface type as 'EFT' from the list.
 - c. **Product Code:** Enter the product ID of the validated system. For example, OPI.
 - d. **IFC8 Product Code:** Will auto-populate based on the Product Code. For example, FIAS_OPI
 - e. **Name:** Enter the display name of the system for identification. For example, EFT Interface.
 - f. **Cashier ID:** Select the cashier id for the interface from the list. For example, 8.
 - g. **Path ID:** Enter the Path ID of the interface. In most cases this is a **1**. Only if the vendor is supporting multi-property with one interface, is there a need for more. If setting up a multi-property, the first property must be defined as **1**, and all subsequent properties must follow sequentially and with no gaps. For example, 1.
 - h. **Machine:** Select a server name from the list (where Machines have been configured) where the IFC Controller is installed.
 - i. **Timeout:** Enter a timeout value in seconds on how long the UI will wait for response on outbound messages (Room key and credit card transaction requests). For example, 240.
 - j. **Version:** This field is not applicable as IFC8 is not used.

The screenshot shows the 'Property Interfaces' configuration page. It features several input fields with search icons and dropdown menus. The fields are: Property (with a search icon), Interface Type (set to 'EFT'), Product Code (set to 'OPI'), IFC8 Product Code (set to 'FIAS_OPI'), Name (set to 'OPI Cloud Service EFT Interface'), All Charges (with a search icon), Cashier ID (set to '8'), Path ID (set to '1'), Machine (set to '1430'), Timeout (set to '45'), and Version. There is an 'Inactive' checkbox and a 'Help' link in the top right corner.

5. Click **Save** to add the configuration for a new EFT interface.
6. Once the EFT property interface details are created, go to **Interfaces | Property Interfaces | edit EFT IFC | General Information**.
 - a. Select the check box to enable the **Handle Night Audit / End of Day Commands**.
 - b. Select the check box to enable the **CC Vault Function**.

 **Note:**

You cannot view the **OPI Cloud Credit Card Processing** parameter until the EFT property interface details are created and the **CC Vault Function** check box is enabled in the **General Information** panel.

- c. Select the check box to enable the **Regular Transaction**.

- d. The **Token Provider URL** should be in the format: `https://OPIHostIP.example.com`

 **Note:**

The Token Provider URL is only required to be completed if the customer is using legacy integrations such as OXI or OWS.

- e. The **Token Provider Protocol** should be set to **One Way Handshake** which means for OPI only server side certificate is required.
- f. Click **Save** to save the details.
- g. Go to **Interfaces | Property Interfaces | edit EFT IFC | Custom Data** panel.
- h. The **HTTP_USERNAME** and **HTTP_PASSWORD** should be set at the Token proxy service side that allows communication with the token proxy service URL.

 **Note:**

HTTP credentials are only required to be completed if the customer is using legacy integrations such as OXI or OWS

- i. OPERA Cloud uses the **VAULT_CERT_CHAIN_CODE** for the certificate lookup and should be populated with what was entered during the OPI configuration for OPERA Cloud.
- j. The **VAULT_ID** should be set to the same value as the auto populated IFC number.
- k. The **WALLET_PASSWORD** is not used for One Way Handshake.
- l. The **VAULT_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.
- m. Click **Save**.

 **Note:**

The added credit card details will be displayed on the Payment Instructions panel, or confirmation on adding the card will be displayed only when the EFT interface has data in the **Custom Data** panel.

- n. Go to **Interfaces | Property Interfaces | edit EFT IFC | Translation** panel. Select Merchant ID as the DEFAULT code to run an EFT.
- o. Click **Save**.

The screenshot displays the configuration page for the 'EFT - OPI Cloud Service EFT Interface'. The interface is organized into several sections:

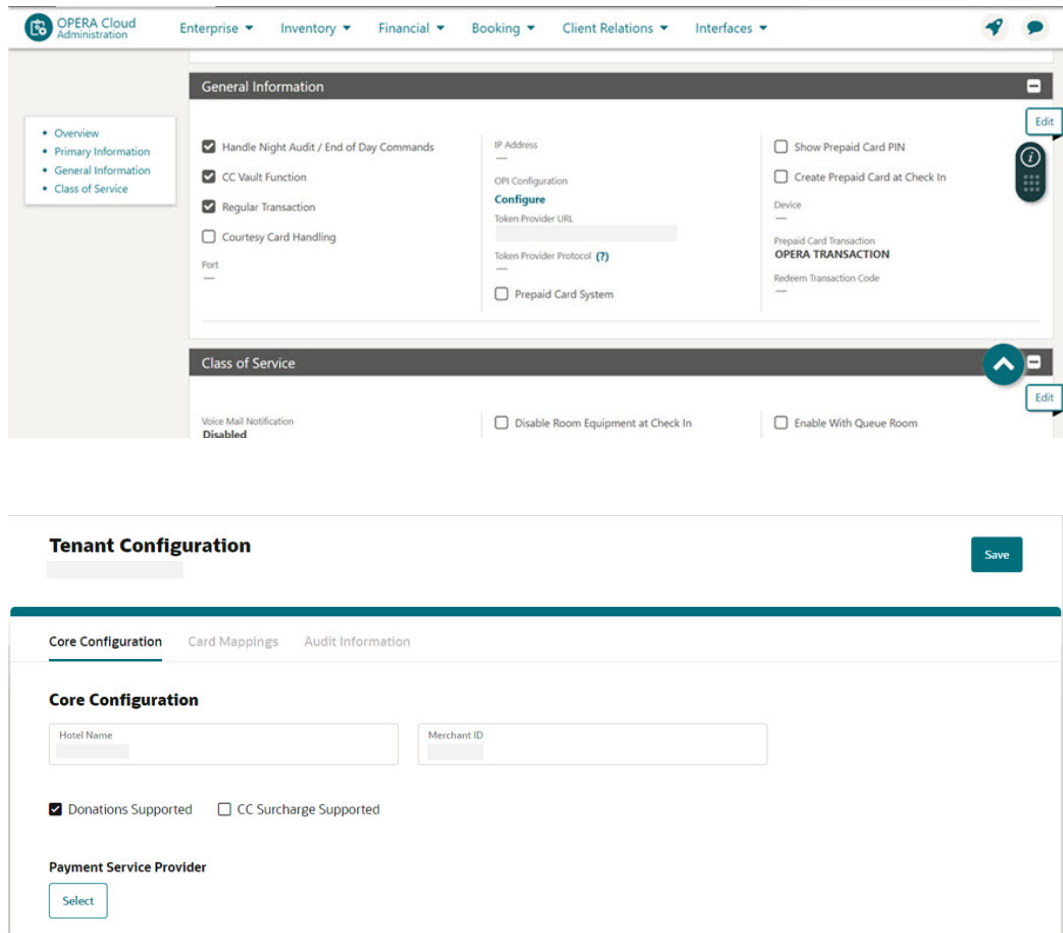
- Primary Information:** Contains fields for IFCB Product Code (FIAS_OPI), Path ID (1), Timeout (45), and Menu Type. It also includes a 'Name' field (OPI Cloud Service EFT Interface) and a 'Cashier ID' (8).
- General Information:** Features checkboxes for 'Handle Night Audit / End of Day Commands', 'CC Vault Function', 'Regular Transaction', and 'Courtesy Card Handling'. It also includes fields for IP Address, Token Provider URL, and Token Provider Protocol.
- Custom Data:** Shows a table of user-defined fields with columns for 'User Defined Field' and 'Value'. Fields include HTTP_USERNAME, HTTP_PASSWORD, VAULT_CERT_CHAIN_CODE, VAULT_ID (12345), VAULT_MAX_CC_PROCESSED, and WALLET_PASSWORD.
- Translation:** Includes 'Guest Number Length' (NA), 'Guest Message ID Length' (NA), and 'Group Number Length' (NA). It also has radio buttons for 'Select Transaction' (Merchant Id, Article Number, Language Code, Key Options).

7. You can activate the **OPI Cloud Credit Card Processing** parameter once the control is available. See [Activating OPI Cloud Service](#) for more information.

Note:

You cannot view the **Configure** link if the **OPI Cloud Credit Card Processing** parameter is not activated.

8. Once the **OPI Cloud Credit Card Processing** parameter is active, click **Configure** under OPI Configuration. This will launch the OPI Cloud Tenant Configuration portal where you can configure the Tenant information and map the Tenant with the PSP endpoints for each Transaction type (Credit/Debit Card or Token Exchange) to perform end-to-end transactions.



Configuring CHIP AND PIN (EMV)

Once the CC vault function is configured, OPERA Cloud users with the CCCONF role can configure Chip and Pin (EMV) for a new EFT property interface.

1. Log in to **OPERA Cloud** using the URL provided.
2. Enter your **User Name** and **Password** in the fields provided.
3. From the **Administration** menu, go to **Enterprise | OPERA Controls | Groups | Credit Card | Parameters**.
4. **Online Settlement:** Select this check box to allow online settlement. OPI is an online settlement and this must be checked to activate the Chip and PIN Application Setting.
5. Select this check box to enable **CHIP AND PIN** payment types.
 - **Chip and PIN Enabled Payment Types:** When the IFC | Chip and PIN application parameter is set to Y, this option is visible and selected by default. You may not deselect the check box. Select the LOV to choose the credit card payment types that will trigger a Chip and PIN message with or without credit card data to the EMV Device. Payment types that are configured here will not require a credit card number or expiration date to be entered when selected as a payment method on the Reservation screen or on the Payment screen. This data can be provided in the response message from the Payment Partner.

The screenshot shows the OPERA Controls interface with the 'Settings' panel open for 'Credit Card' configuration. The left sidebar lists various system areas, with 'Active Property Services Functions' showing a count of 85. The main settings area includes a search bar and a list of parameters, each with an 'On/Off' toggle and a descriptive text box.

OPERA Controls

Search: [Search]

Groups:

- Accounts Receivables
- Blocks
- Cashiering
- Channel Management
- Commissions
- Country Specific
- Credit Card
- End Of Day
- Events
- Exports
- Front Desk
- General
- IFC
- Inventory Management
- Look To Book Sales Screen
- Membership
- Profile
- Rate Management
- Reservations
- Room Management

Active Property Services Functions: 85

Settings

OPERA Controls provide the ability to customize OPERA Cloud functionality by activating or deactivating Functions, turning Parameters on or off, and selecting values for Settings. To immediately reflect any Functions changes, click on reload application link below. Note: After reload you will return to Administration Home screen. Reload Application

Credit Card

Parameters

- On** **Automatic Authorization**
 Indicates if the Automatic Credit Card Authorization Scheduling functionality is active.
- Automatic Authorization Interval Time**
 Specifies the interval in minutes after completion of an automatic credit card authorization and the start of the next instance. Minimum of 30 minutes.
 7,200
- Off** **Include Payments for Automatic Credit Card Authorizations**
 Automatic Credit Card Authorization will process authorizations based on the authorization rule and the balance of the bills.
- Off** **Automatic Authorization Failure No Post Flag**
 When this parameter is active, the 'No Post' checkbox of a reservation is automatically flagged when the Credit Card Authorization fails during any automatic processes for Credit Card Authorizations.
- Off** **Exclude No Post Reservations From Automatic Authorizations**
 When this parameter is active, reservations flagged as 'No Post' are not included in any automatic processes for Credit Card Authorizations.
- Off** **Batch Settlement**
 Activates Batch Settlements functionality for supported systems. This parameter and Online Settlement parameter are mutually exclusive.
- On** **Chip and Pin**
 Activate Chip and Pin functionality.
- Chip and Pin Payment Method**
 Credit Card types that should exhibit Chip and Pin functionality when using a Chip and Pin enabled terminal.
 MCPO,AX,VA
- Off** **Credit Card Type Check/Usages**
 Enable a cross check between the credit card type and usages for that card type. This feature is used for any credit card types where a separate transaction code is applied to each specific usage of the card.
- On** **Credit Limit Overage Payments**
 Enables the processing of automatic payments for the total balance of a bill when the balance is equal or higher than the credit limit set for credit card payment method. Automatic Credit Limit Overage payments are processed based on the Credit Limit Overage Interval Time setting.
- On** **Default Credit Limit Overage Payments Auto Pay**
 When this parameter is active, the Credit Limit Auto Pay checkbox on new reservations is selected by default.
- Off** **Credit Limit Overage Payment Failure No Post Flag**
 When this parameter is active, the 'No Post' checkbox is automatically flagged when a Credit Limit Overage payment fails in a reservation.
- Off** **Exclude No Post Reservations For Credit Limit Overage Payments**
 When this parameter is active, reservations flagged as 'No Post' are not processed in Credit Limit Overages.
- Credit Limit Overage Payments Interval Time**
 Specifies the interval in minutes after completion of an automatic Credit Limit Overage processing of Payments and the start of the next instance. Minimum value of 30 minutes. When set to 0 minutes, the automatic Credit Limit Overage processing of payments will not be executed.
 0
- Credit Limit Overage Payment Methods**
 Select the Credit Card Payment Methods which qualify for automatic Credit Limit Overage processing of payments.
 VA,AX,MC
- Off** **Manual Authorization Notification**
 Enables an authorization message delivery to the credit card processing vendor, when a manual credit card authorization code is obtained and entered in the reservation. Available if the credit card interface uses web-enabled transaction processing via VPN or secure HTTP.
- On** **Online Settlement**
 Activates Online Settlements functionality for supported systems. This parameter and Batch Settlement parameter are mutually exclusive.
- Off** **Temporarily Store Offline Settlements**
 Indicates if the property wants to store failed Online Settlements (due to the credit card interface not running) and process them offline at the end of the day.
- Off** **Send Total Tax in Settlements**
 Specifies if the system is required to send Total Tax amounts in settlement requests to the interface.

6. In the **Settings** panel configure the following:

OPERA Controls Help

Search

Property

Groups

Functions Allowed within Subscription
Unlimited

Functions Activated within Subscription
76

Complimentary Functions Activated
36

Accounts Receivables

Activity

Blocks

Cashiering

Channel Management

Credit Card

End Of Day

Events

Exports

Front Desk

General

IFC

Inventory Management

Look To Book Sales Screen

Membership

Profile

Rate Management

Reservations

Room Management

Settings View Options | I'm looking for...

OPERA Controls provide the ability to customize OPERA Cloud functionality by activating or deactivating Functions, turning Parameters on or off, and selecting values for Settings. To immediately reflect any Functions changes, click on reload application link below. Note: After reload you will return to Administration Home screen. [Reload Application](#)

Credit Card

Functions

Active **Chip and Pin**
 Activate Chip and Pin Functionality
 Adding this complimentary feature will not affect the subscription-based function count.

Chip and Pin Payment Method
 Credit Card types that should exhibit Chip and Pin functionality when using a Chip and Pin enabled terminal.

Parameters

On **Automatic Authorization**
 Indicates if the Automatic Credit Card Authorization Scheduling functionality is active.

On **Automatic Authorization Failure No Post Flag**
 When this parameter is active, the "No Post" checkbox of a reservation is automatically flagged when the Credit Card Authorization fails during any automatic processes for Credit Card Authorizations.

On **Exclude No Post Reservations From Automatic Authorization.**
 When this parameter is active, reservations flagged as "No Post" are not included in any automatic processes for Credit Card Authorizations.

On **Use Folio Balance for Automatic Credit Card Authorization**
 Automatic Credit Card Authorization will process the full folio balance authorization only if the balance of the folio exceeds already authorized amount.

Automatic Authorization Interval Time
 Specifies the interval in minutes after completion of an automatic credit card authorization and the start of the next instance. Minimum of 60 minutes.

Off **Batch Settlement**
 Activates Batch Settlements functionality for supported systems. This parameter and Online Settlement parameter are mutually exclusive.

Off **Credit Card Type Check/Usages**
 Enable a cross check between the credit card type and usages for that card type. This feature is used for any credit card types where a separate transaction code is applied to each specific usage of the card.

Off **Credit Limit Overage Payments.**
 Enables the processing of automatic payments for the total balance of a folio when the balance is equal or higher than the credit limit set for credit card payment method. Automatic Credit Limit Overage payments are processed based on the Credit Limit Overage Interval Time setting.

On **Manual Authorization Notification**
 Enables an authorization message delivery to the credit card processing vendor, when a manual credit card authorization code is obtained and entered in the reservation. Available if the credit card interface uses web-enabled transaction processing via VPN or secure HTTP.

On **OPI Cloud Credit Card Processing**
 Activate OPI Cloud Credit Card Delivery and Disable IFC Controller for Credit Card Processing.

On **Online Settlement**
 Activates Online Settlements functionality for supported systems. This parameter and Batch Settlement parameter are mutually exclusive.

Off **Temporarily Store Offline Settlements**
 Indicates if the property wants to store failed Online Settlements (due to the credit card interface not running) and process them offline at the end of the day.

Off **Send Total Tax in Settlements**
 Specifies if the system is required to send Total Tax amounts in settlement requests to the interface.

Settings

Authorization Reversal Allowed
Credit Card types which authorization reversal is allowed by the credit card vendor. Existing authorizations for selected credit card types will be reversed if a different credit card or method of payment is used at Check Out.

VS

Authorization at Check In
Credit Card types that require an automatic authorization at Check In.

MC,AX,JCB,DC,DS,OPI,DS,VS

Off Night Audit Remote Authorization
This option enables End of Day remote authorization, where available.

Authorization during Stay/Deposit
Credit Card types that allow manual and automatic authorization checks for deposits, and following Check in and prior to Check Out and settlement. This option must be enabled to allow authorizations by the End of Day routine.

MC,AX,JCB,DC,DS,OPI,DS,VS

Authorization settlement at Check-Out
Credit Card types for which an authorization and settlement will take place during Check Out.

VA

Days to Purge Credit Card Authorization Log
Enter the number of days in which the credit card authorization log should be removed. When no value is set, purging of credit card authorization log defaults to 30 days.

Days to Purge Credit Cards.
Enter the number of days in which the credit card information will be removed in the case where no transactions or reservations are active.

365

Deposit Address Verification
Credit Card types that will require to provide the credit card billing address information during payment.

Deposit CVV2 Check
Credit Card types for which the Credit Card Security Code (CVV2) will be required when making a payment.

Hotel ID
Hotel ID

Settlement Authorization Code
Authorization Code to be used at Settlement, if multiple authorization codes exist

ORIG

- **Authorization at Check-In:** Select the payment methods that will trigger an automatic credit card authorization at check-in.
- **Authorization Reversal Allowed:** Select the payment methods that can process authorization reversals. This provides a request transaction to the Payment Partner to remove the existing authorization on a guest credit card or debit card if the folio payment type is changed or at check-out a different payment method is used. For example, a guest checks in on a reservation for a 5-night stay using a Visa credit card for payment type. At the time of authorization, a hold is put on the Visa credit card for the total cost of the stay. If the payment type is changed to another type on the reservation or the guest checks out using cash or a different brand of credit card, OPERA will send a reversal request for the originally selected Visa credit card authorization. A partial reverse authorization is not supported.

 **Note:**

The Authorization reversal should only be setup if the selected PSP supports this.

- **Authorization During Stay/Deposit:** Select the payment methods that allow manual and automatic authorizations following check-in and prior to check-out and settlement. This option must be enabled in order to allow authorizations by the end-of-day routine.
- **Authorization Settlement at Check-Out:** Select the payment types that use credit card authorization and settlement in one transaction request. These are

payment types that do not allow an authorization separate from the settlement/sale.

- The payment types that are available in the multi-select list of values are only payment types configured as EFT payment types. Any one payment type can be selected for credit card specific rules of Authorization at check-in, Authorization Reversal, and Authorization during Stay/Deposit. If they are selected for these card specific rules, then the payment types will not be available for Authorization During Stay/Deposit.

See [Configuring OPERA Controls for Settlement at Checkout and Chip and Pin](#) for more details.

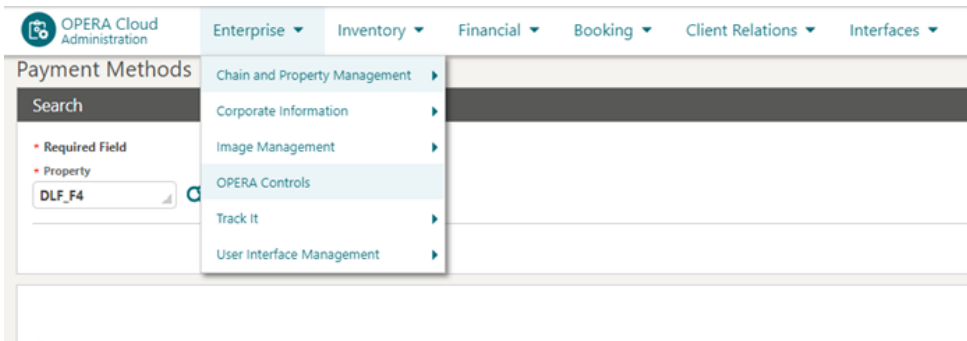
- **Settlement Authorization Code:** Specifies the authorization code used at settlement if multiple authorization codes exist Pre authorizations and top-up authorizations before the settlement. Select either the LAST or ORIGINAL authorization code.
7. Go to **Enterprise | OPERA Controls | Groups | IFC | Parameters** and enable **Prompt For Terminal** to handle chip and pin EMV devices.

The screenshot shows the 'IFC' configuration page in OPERA Cloud. Under the 'Functions' section, the 'Video Check Out' toggle is set to 'Active'. Below this, there are three input fields: 'Video Check Out Start Time', 'Video Check Out Stop Time', and 'Video Check Out Email', each with a blue edit icon. Under the 'Parameters' section, there are three toggles: 'Advanced Authorization Rules' (On), 'Exclusive Taxes will be Posted as Itemizers by the POS Interface.' (Off), and 'Prompt For Terminal' (On).

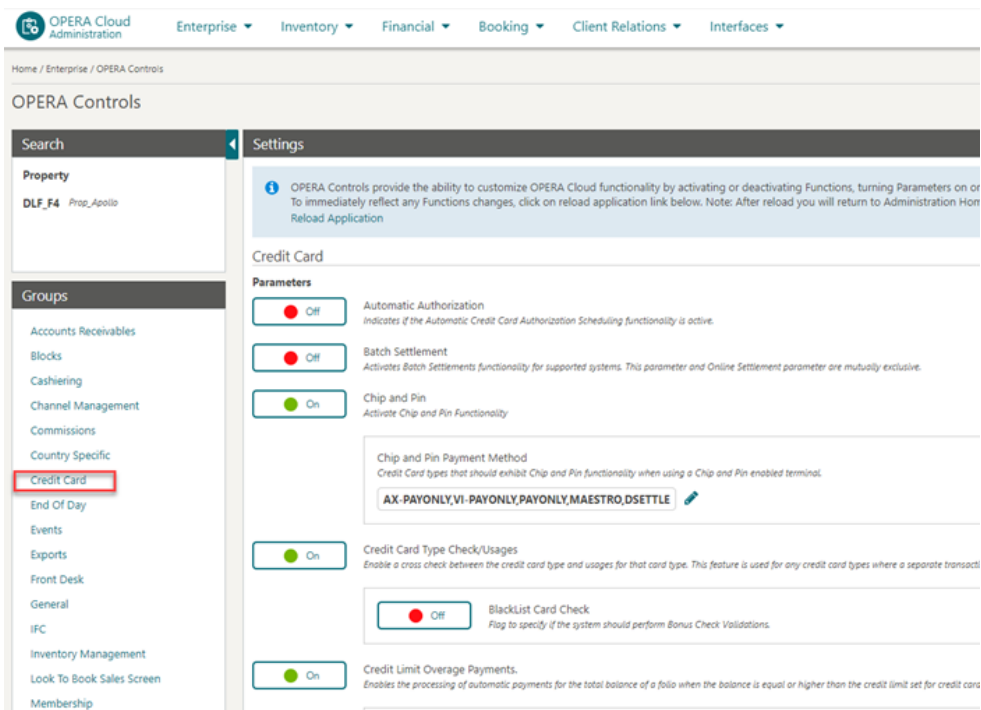
Configuring OPERA Controls for Settlement at Checkout and Chip and Pin

Once the CC vault function is configured, OPERA Cloud users with the CCONF role can configure OPERA Controls for Settlement at Checkout and Chip and Pin for a new EFT property interface.

1. Log in to **OPERA Cloud** using the URL provided.
2. Enter your **User Name** and **Password** in the fields provided.
3. From the **Administration** menu, select **Enterprise**, then select **OPERA Controls**.



4. Select the Credit Card group.



5. Click the edit icon in the **Authorization settlement at Check-Out** setting.

Authorization during Stay/Deposit

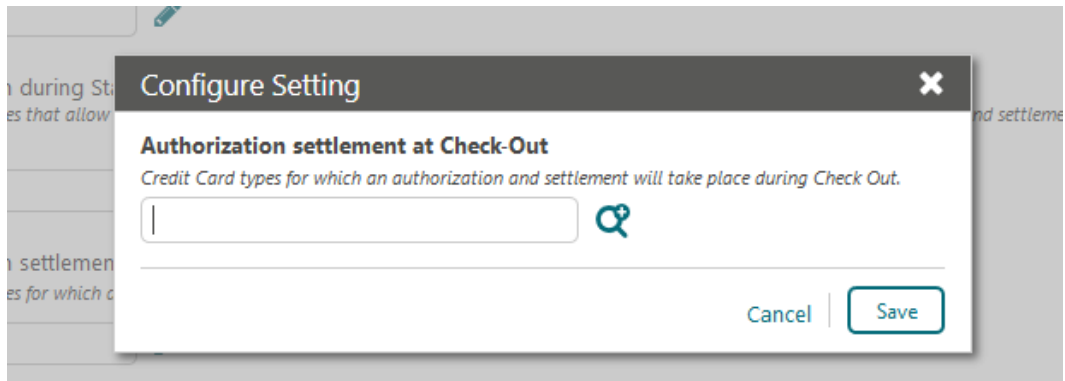
Credit Card types that allow manual and automatic authorization checks for deposits, and following Check In and prior to Check Out routine.

Authorization settlement at Check-Out
 Credit Card types for which an authorization and settlement will take place during Check Out.

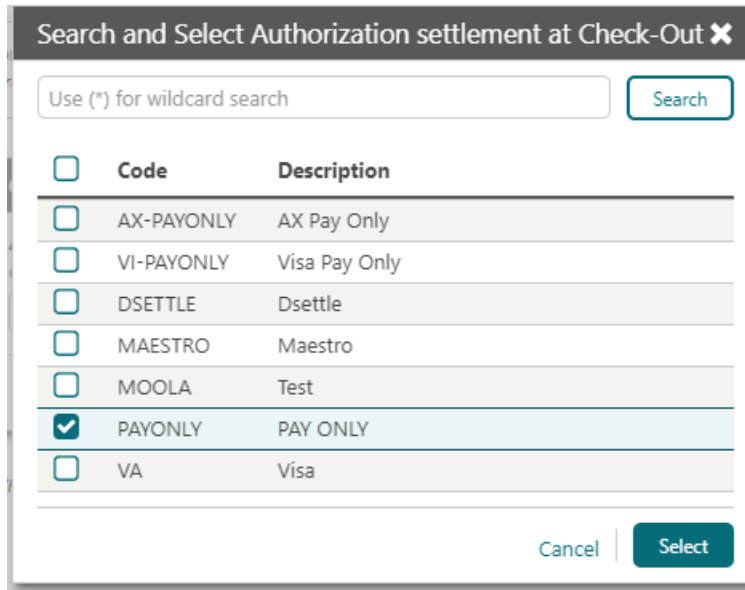
Days to Purge Credit Card Authorization Log

Enter the number of days in which the credit card authorization log should be removed. When no value is set, purging of credit

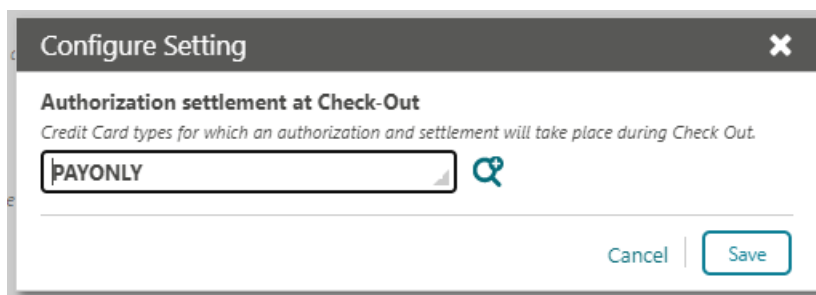
- Click in the search icon in the **Configure Setting** screen.



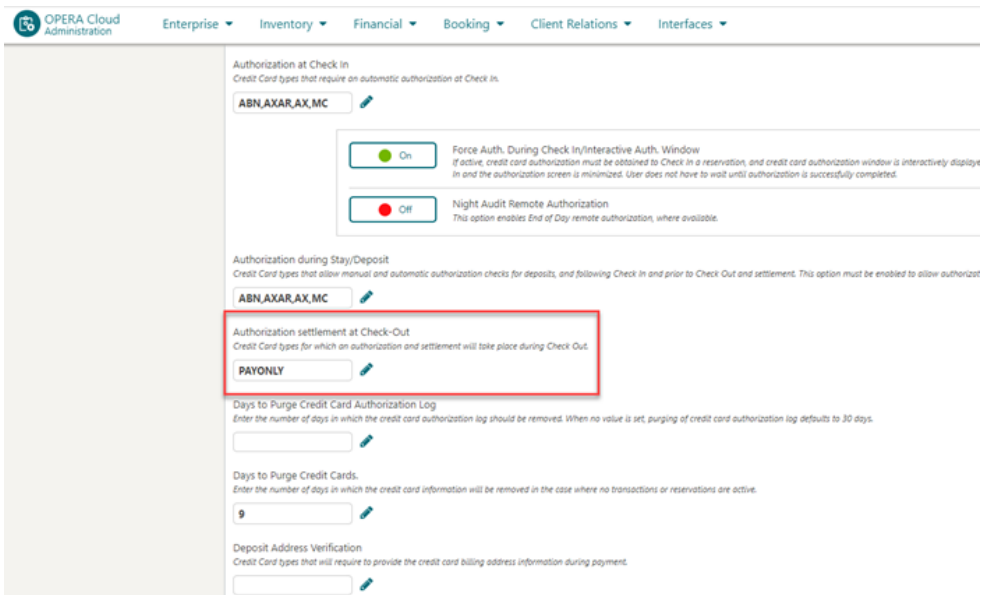
- Search and select the authorization settlement at Check-Out.
- Click **Select**.



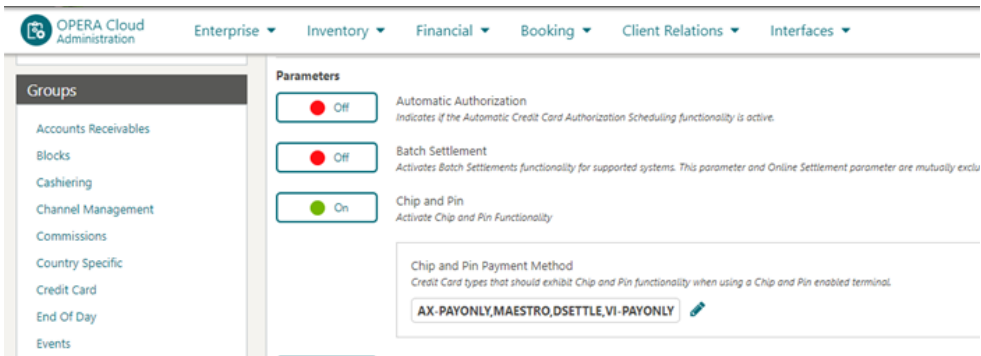
- Click **Save** to confirm selection.



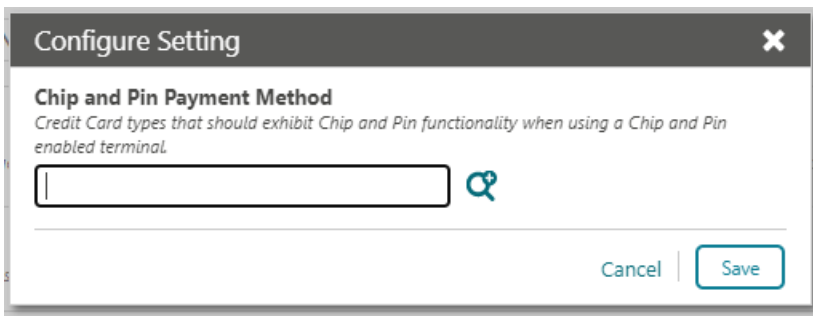
- Pay only is now added.



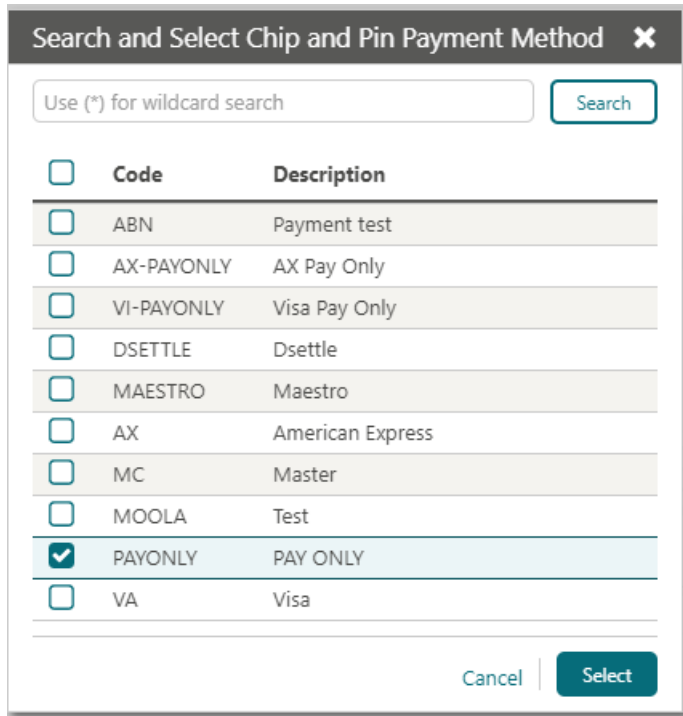
11. Click the edit icon in the **Chip and Pin Payment Method** setting.



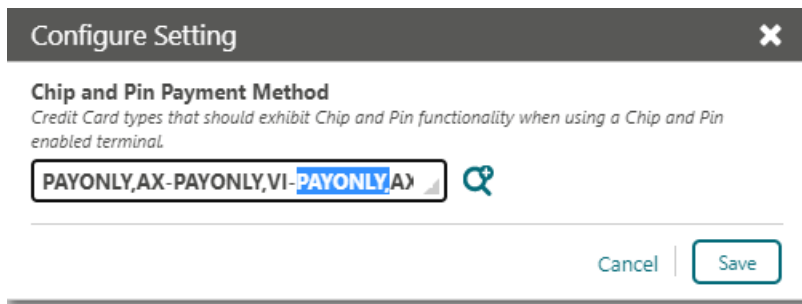
12. Click the Search icon in the Configure Setting screen.



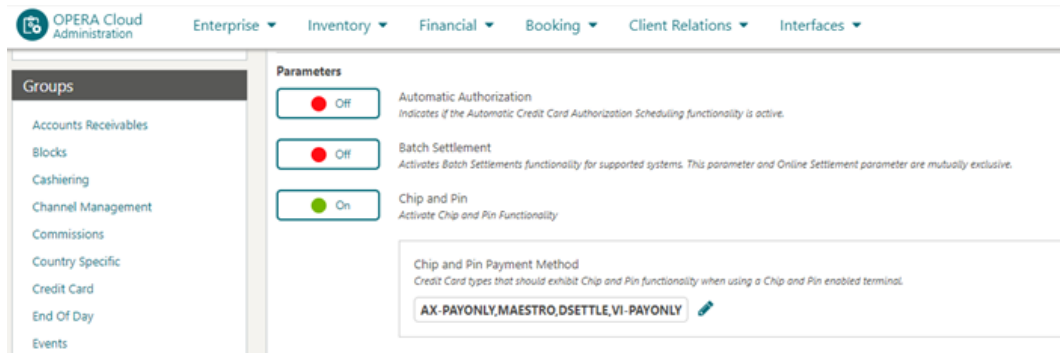
13. Click **Select**.



14. Click **Save** to confirm selection.



15. Pay only is now added.

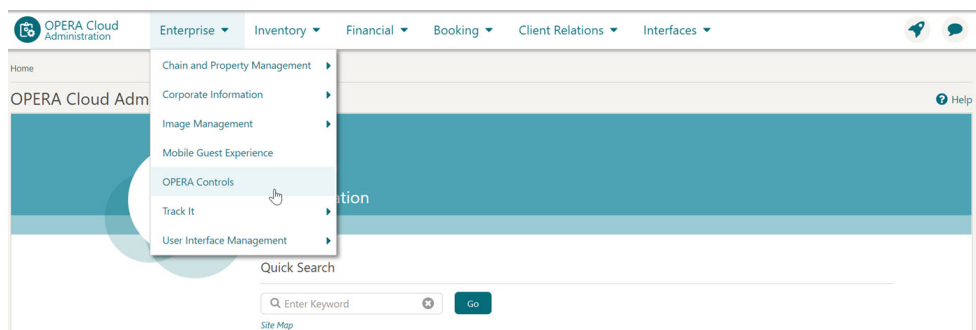


16. Repeat this process for all card types flagged as to activate the payment terminal and settlement at check out.

Activating OPI Cloud Service

The OPERA Cloud users with the CCONF role can access OPERA Cloud and activate the OPI Cloud Credit Card Processing parameter once the EFT interface is created for a new property. Once the parameter is active, all credit card transactions communicate with the OPI Cloud service.

1. Log in to **OPERA Cloud** using the URL provided.
2. Enter your **User Name** and **Password** in the fields provided.
3. From the **Administration** menu, select **Enterprise**, then select **OPERA Controls**.



4. OPERA Control groups are listed down the left side panel, select the **Credit Card** group.
5. On the right-side panel, turn **ON** the **OPI Cloud Credit Card Processing** parameter to activate all credit card transactions through OPI Cloud.

The screenshot shows the OPERA Controls interface. On the left, a sidebar lists various management categories, with 'Credit Card' selected. The main area displays the 'Credit Card' settings. Under the 'Functions' section, 'Chip and Pin' is active. Under the 'Parameters' section, several options are listed, including 'Automatic Authorization', 'Automatic Authorization Failure No Post Flag', 'Exclude No Post Reservations From Automatic Authorization', 'Use Folio Balance for Automatic Credit Card Authorization', 'Automatic Authorization Interval Time', 'Batch Settlement', 'Credit Card Type Check/Usages', 'Credit Limit Overage Payments', 'Manual Authorization Notification', and 'OPI Cloud Credit Card Processing'. The 'OPI Cloud Credit Card Processing' parameter is highlighted with a red box and is currently set to 'On'.

Once the parameter is active, you can configure the property for credit card integration.

Creating and configuring SVS property through OPERA Cloud

The OPERA Cloud users with the PPCONF role can access OPERA Cloud and create a SVS property interface for a new property. Once the property is created, activate the Prepaid Card parameter for prepaid card transactions, and connect to the OPI Cloud Service. This will launch the OPI Cloud Tenant Configuration portal.

Note:

If there is an existing SVS interface, it is recommended to delete the old interface and create a new one instead of editing the existing one.

1. Log in to OPERA Cloud using the URL provided.
2. Enter your **User Name** and **Password** in the fields provided.

3. From the **Administration** menu, go to **Interfaces | Property Interfaces**. Click **New** to add the configuration for a new SVS interface.
4. Enter the following options:
 - a. **Property**: Enter or select the property from the list. For example, OPICloudProp
 - b. **Interface Type**: Select the interface type as 'SVS' from the list.
 - c. **Product Code**: Enter the product ID of the validated system. For example, OPI.
 - d. **IFC8 Product Code**: Will auto-populate based on the Product Code. For example, FIAS_OPI
 - e. **Name**: Enter the display name of the system for identification. For example, SVS Interface.
 - f. **Cashier ID**: Select the cashier id for the interface from the list. For example, 8.
 - g. **Path ID**: Enter the Path ID of the interface. In most cases this is a **1**. Only if the vendor is supporting multi-property with one interface, is there a need for more. If setting up a multi-property, the first property must be defined as **1**, and all subsequent properties must follow sequentially and with no gaps. For example, 1.
 - h. **Machine**: This field is not applicable for SVS interface.
 - i. **Timeout**: Enter a timeout value in seconds on how long the UI will wait for response on outbound messages (Room key and credit card transaction requests). For example, 240.
 - j. **Version**: This field is not applicable for SVS interface.

5. Click **Save** to add the configuration for a new SVS interface.
6. Once the SVS property interface details are created, go to **Interfaces | Property Interfaces | edit SVS IFC | General Information**.
 - a. **Show Prepaid Card PIN**: Select the check box to display the stored value pin that is provided by the vendor. The vendor can define whether a PIN is in use or not. This should not be checked unless the Vendor has indicated they will use PINs.
 - b. **Create Prepaid Card at Check In**: Select to create a stored value account when the guest is checking in.
 - c. **Redeem Transaction Code**: Select the stored value redeem transaction method from the drop down list. The transaction code that is selected here will be used any time a stored value account is redeemed.

- d. **Prepaid Card Transaction:** Select to choose OPERA Cloud Transactions, Vendor Transactions, or both OPERA Cloud and Vendor Transactions.
- e. Click **Save** to save the details.
- f. Go to **Interfaces | Property Interfaces | edit SVS IFC | Translation** panel. Select Merchant ID as the DEFAULT code to run SVS.
- g. Click **Save**.

The screenshot shows the 'Property Interface' configuration page for an 'SVS - OPI Cloud Service SVS interface'. The page is divided into several sections:

- Overview:** Shows 'Property' (blank), 'Interface Type' (SVS), 'Product Code' (OPI), and 'IFC number' (12085).
- Interface Details:** Includes tabs for 'Class of Service', 'General Information', 'Log', 'Primary Information', 'Rooms', and 'Translation'.
- Primary Information:** Contains fields for 'IFCS Product Code' (FIAS_OPI), 'Path ID' (1), 'Timeout' (—), 'Menu Type' (—), 'Name' (OPI Cloud Service SVS Interface), 'Machine' (—), 'Message Expires After (minutes)' (—), 'Menu Name' (—), and 'Cashier ID' (8). There is an 'Inactive' checkbox.
- General Information:** Includes 'Show Prepaid Card PIN' (unchecked), 'Create Prepaid Card at Check In' (checked), 'Prepaid Card Transaction' (OPERA TRANSACTION), and 'Redeem Transaction Code' (60000).
- Translation:** Shows 'Guest Number Length' (NA), 'Guest Message ID Length' (NA), and 'Group Number Length' (NA). Under 'Select Transaction', 'Merchant Id' is selected. There is a 'View Options' section with 'Origin Code' (DEFAULT) and 'Merchant Id'.

7. You can activate the **Prepaid Cards** parameter once the SVS interface is created. See [Activating Prepaid Card Functionality](#) for more information.

Note:

You cannot view the **Configure** link if the **Prepaid Cards** parameter is not activated.

8. Once the **Prepaid Cards** parameter is active, click **Configure** under OPI Configuration. This will launch the OPI Cloud Tenant Configuration portal, where you can configure the Tenant information and map the Tenant with the Prepaid card endpoints to perform prepaid card transactions.

Property Interface

SVS - OPI Cloud Service SVS Interface

Property: [] Interface Type: SVS Product Code: OPI IFC number: 12085

Interface Details
Class of Service | General Information | Log | Primary Information | Rooms | Translation

GNR|COS|RS PST|TRX|EXP ROOMS|WS|TRL CUSTOM|LOG My Panels

Primary Information

IFCB Product Code: **FIAS_OPI** Path ID: 1 Timeout: — Menu Type: —
 Name: **OPI Cloud Service SVS Interface** Machine: — Message Expires After (minutes): — Menu Name: —
 Cashier ID: 8 Version: —

General Information

OPI Configuration: **Configure** Show Prepaid Card PIN Create Prepaid Card at Check In
 Prepaid Card Transaction: **OPERA TRANSACTION** Redeem Transaction Code: 60000

Translation

Guest Number Length: **NA** Guest Message ID Length: **NA** Group Number Length: **NA**

Select Transaction: Merchant Id Article Number Language Code Key Options

View Options

Origin Code	Merchant Id
DEFAULT	

Tenant Configuration Save

Core Configuration | Card Mappings | Audit Information

Core Configuration

Hotel Name: [] Merchant ID: []

Prepaid Card Service Provider

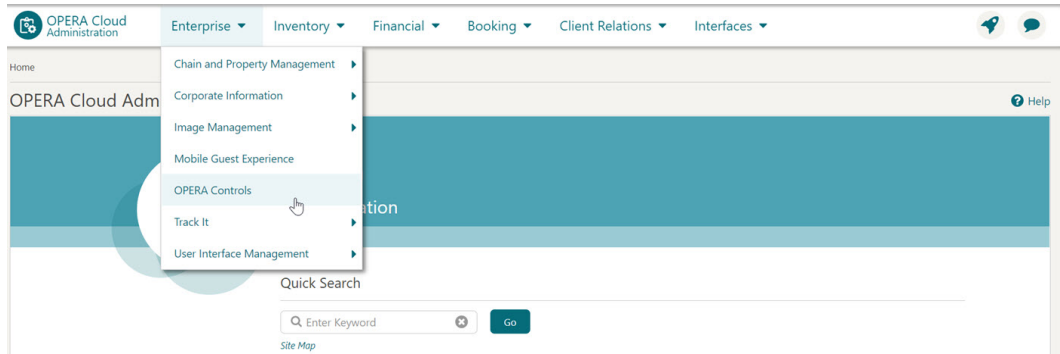
Add

Activating Prepaid Card Functionality

The OPERA Cloud users with the PPCONF role can access OPERA Cloud and activate the prepaid card parameter for a new property. Once the parameter is active, all prepaid card transactions are supported by OPI Cloud Service via service-to-service communication.

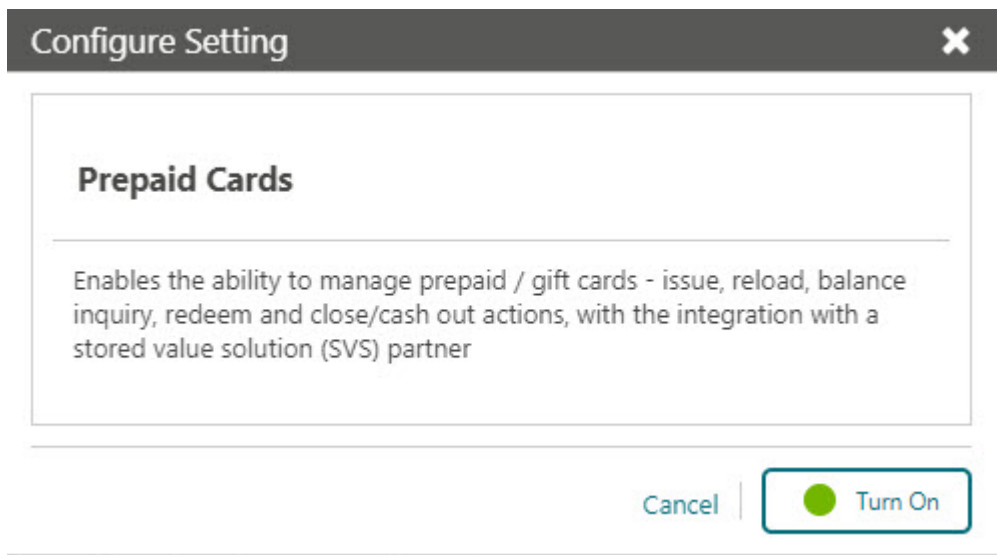
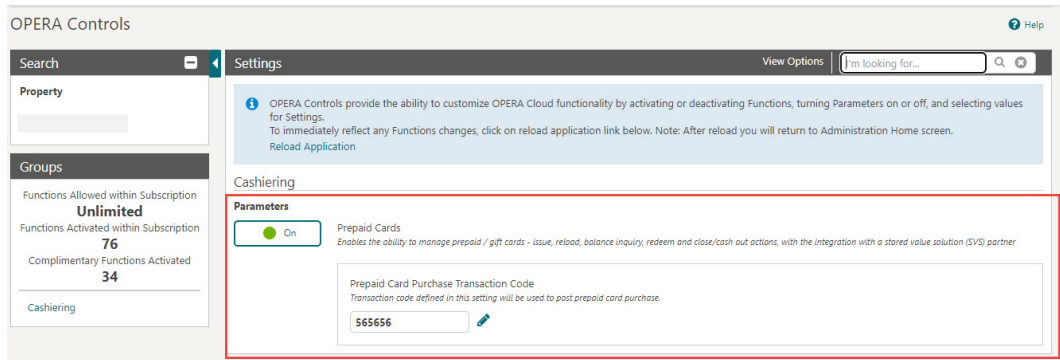
To activate prepaid card parameter:

1. Log in to **OPERA Cloud** using the URL provided.
2. Enter your **User Name** and **Password** in the fields provided.
3. From the **Administration** menu, select **Enterprise**, then select **OPERA Controls**.



4. OPERA Control groups are listed down the left side panel, select the **Cashiering** group.
5. On the right-side panel, turn ON the **Prepaid Cards** parameter to activate all prepaid card transactions for the property through OPI Cloud.

The **Prepaid Card Purchase Transaction Code** parameter is visible only when a Stored Value System (SVS) interface is active.



Once the parameter is active, you can configure the property for prepaid card integration.

3

Tenant Core Configuration

Updating Core Configuration with Endpoints

The OPERA Cloud users can update the Tenant core configuration with PSP endpoints or Prepaid Card endpoints.

- The OPERA Cloud users with the CCONF role can update the Tenant core configuration details and map the Tenant with the PSP endpoints for each Transaction type (Credit/Debit Card or Token Exchange) to perform end-to-end transactions. See [Updating Core Configuration with PSP Endpoints](#) for more information.
- The OPERA Cloud users with the PCONF role can update the Tenant core configuration details and map the Tenant with the Prepaid card endpoints to perform prepaid card transactions. See [Updating Core Configuration with Prepaid Endpoints](#) for more information.

Updating Core Configuration with PSP Endpoints

Once the OPI Cloud Tenant Configuration portal is launched, OPERA Cloud users with the CCONF role can update the Tenant core configuration details with PSP endpoints to perform credit card and token exchange transactions.

1. The OPI Cloud Tenant Configuration portal landing page appears once you configure the property through OPERA Cloud.

The screenshot displays the 'Tenant Configuration' portal. At the top right, there is a 'Save' button. Below the title, there are three tabs: 'Core Configuration' (which is selected), 'Card Mappings', and 'Audit Information'. The 'Core Configuration' section contains two input fields: 'Hotel Name' and 'Merchant ID'. Below these fields, there are two checkboxes: 'Donations Supported' (checked) and 'CC Surcharge Supported' (unchecked). At the bottom, there is a 'Payment Service Provider' section with a 'Select' button.

2. **Hotel Name:** Enter the Hotel name.
3. **Merchant ID:** Enter the Merchant ID.

The Merchant ID configured in OPERA Cloud should match exactly with the Merchant ID that is configured in the OPI Cloud for that property. If the ID is not the same, OPI will reject the transaction from that property due to a mismatched MerchantID. To locate the

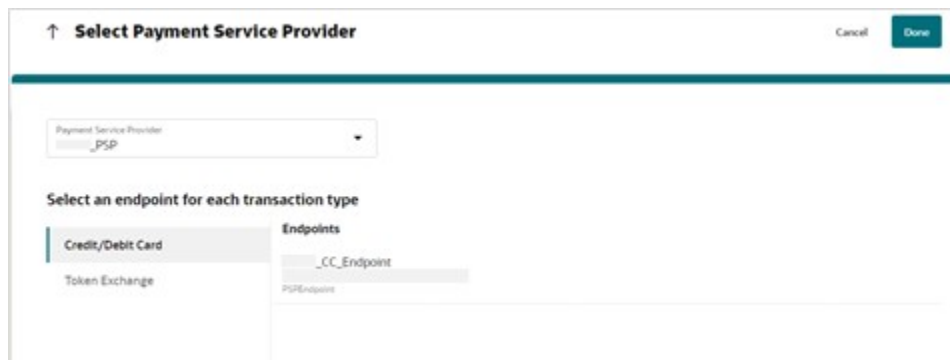
Merchant ID in **OPERA Cloud Administration Menu > Interfaces > Property Interfaces > Select the EFT Interface > Click Edit**. Go to the **Translation** tab and the Merchant ID is configured here.

4. **Donations Supported:** If the check box is selected that means the Donation is supported by PMS. If the check box is not selected that means the Donation is not supported.
5. **CC Surcharge Supported:** If the check box is selected that means the Credit Card Surcharge is supported by PMS. If the check box is not selected that means Credit Card Surcharge is not supported.

 **Note:**

- OPERA Cloud, OPERA 5, or Suite 8 does not support the Donations or Credit Card Surcharge Support through OPI Cloud at this time.
- The **Save** option allows you to save the Core Configuration only after the Payment Service Provider is selected.

6. Click **Select** to select the Payment Service Provider.
The Select **Payment Service Provider** screen appears.

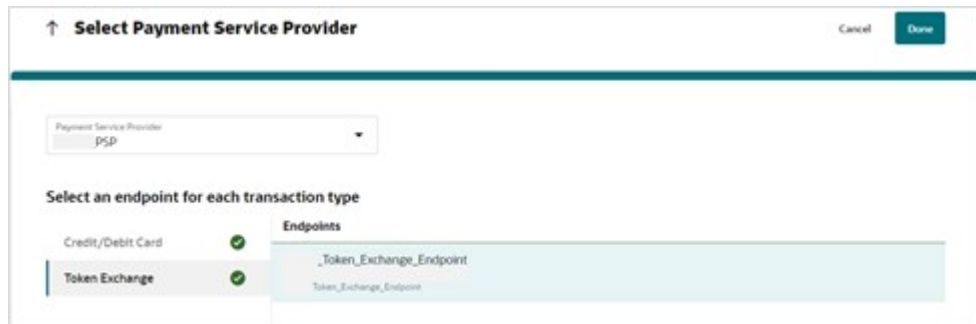


7. Select the **Payment Service Provider** from the list.
Once the PSP is selected, the lists of configured endpoints for each transaction type are displayed.
8. Select an endpoint for each transaction type (**Credit/Debit Card** or **Token Exchange**) from the Endpoints list.

You can use the up arrow



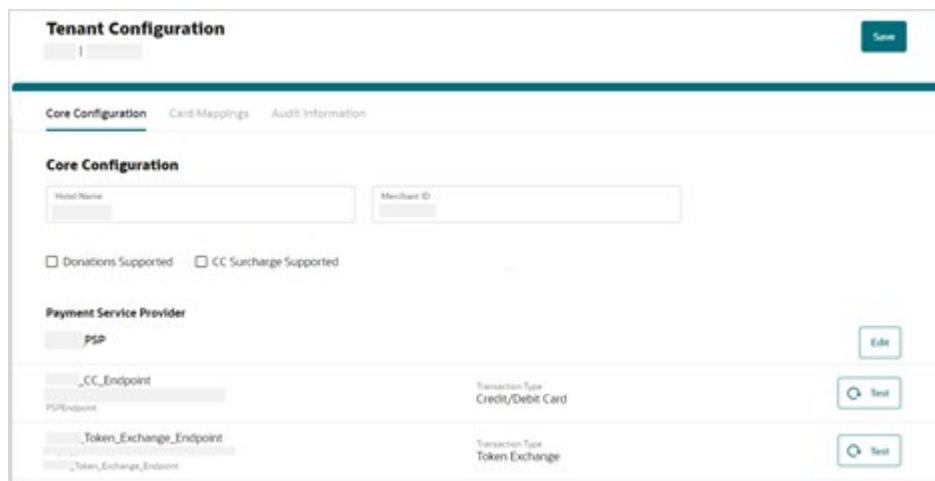
) icon to navigate to **Tenant Core Configuration** screen.



Once the endpoints are selected for each transaction type, you will see a tick mark next to the Transaction Type (Credit/Debit Card or Token Exchange).

9. Click **Done**.

The Tenant Core Configuration screen appears with mapped PSP endpoints.



10. Click the **Test**



) icon to test the endpoint connectivity.

- If the PSP endpoint test is successful, the connection is successful.
- If the PSP endpoint test is unsuccessful, the connection fails.
If a test fails, you need to access the OPI Cloud logs to review the issue.

The screenshot shows the 'Tenant Configuration' interface. At the top right is a 'Save' button. Below the title bar are three tabs: 'Core Configuration' (selected), 'Card Mappings', and 'Audit Information'. The 'Core Configuration' section contains:

- Input fields for 'Hotel Name' and 'Merchant ID'.
- Checkboxes for 'Donations Supported' and 'CC Surcharge Supported'.
- A 'Payment Service Provider' section with a dropdown menu showing 'PSP' and an 'Edit' button.
- A 'CC_Endpoint' section with a dropdown menu, a 'Transaction Type' dropdown set to 'Credit/Debit Card', a green 'Save' button, and a 'Test' button.
- A 'Token_Exchange_Endpoint' section with a dropdown menu, a 'Transaction Type' dropdown set to 'Token Exchange', a green 'Save' button, and a 'Test' button.

11. Click **Save** and you will see a confirmation that Core Configuration has been updated successfully.

You will see a confirmation that the Core Configuration has been updated successfully.

Whenever you are trying to update any of the following fields, you will see a message 'Configuration update may take up to 15 mins to reflect in runtime'.

- Hotel Name
- Merchant ID
- Donations Supported
- CC Surcharge Supported
- Endpoint for each transaction type

 **Note:**

The **Sign Out** option allows you to logout from the OPI Cloud Tenant Configuration portal. When you login next time, you will directly navigate to the Tenant Core Configuration landing page as you have already configured the property using OPERA Cloud.

Updating Core Configuration with Prepaid Endpoints


Once the OPI Cloud Tenant Configuration portal is launched, OPERA Cloud users with the PPCONF role can update the Tenant core configuration details with prepaid endpoints to perform prepaid card transactions.

1. The OPI Cloud Tenant Configuration portal landing page appears once you configure the SVS property through OPERA Cloud.

The screenshot shows the 'Tenant Configuration' interface. At the top right is a 'Save' button. Below the title bar are three tabs: 'Core Configuration', 'Card Mappings', and 'Audit Information'. The 'Core Configuration' tab is active. It contains two input fields: 'Hotel Name' and 'Merchant ID'. Below these is a section titled 'Prepaid Card Service Provider' with an 'Add' button.

2. **Hotel Name:** Enter the Hotel name.
3. **Merchant ID:** Enter the Merchant ID.

The Merchant ID configured in OPERA Cloud should match exactly with the Merchant ID that is configured in the OPI Cloud for that property. If the ID is not the same, OPI will reject the transaction from that property due to a mismatched MerchantID.

 **Note:**

The **Save** option allows you to save the Core Configuration only after the Prepaid Card Service Provider is selected.

4. Click **Add** to add the Prepaid Card Service Provider. The Select **Prepaid Card Provider** screen appears.

The screenshot shows the 'Select Prepaid Card Provider' screen. At the top left is an up arrow icon and the title 'Select Prepaid Card Provider'. At the top right are 'Cancel' and 'Done' buttons. The main area contains two input fields: 'OPERA Prepaid Card Interface ID' (marked 'Required') and 'Prepaid Card Service Provider' (a dropdown menu, marked 'Required'). Below these is an 'Endpoints' section with the text 'No items to display.'

5. Enter the unique **OPERA Prepaid Card Interface ID**.
The IFC number configured in OPERA Cloud for the SVS interface should match exactly with the Prepaid Card Interface ID that is configured in OPI Cloud for that property.
6. Select the **Prepaid Card Service Provider** from the list.
Once the Prepaid card service provider is selected, the lists of configured endpoints are displayed.
7. Select the Prepaid Card endpoint from the Endpoints list.
You can use the up arrow
(
↑
) icon to navigate to **Tenant Core Configuration** screen.

↑ **Select Prepaid Card Provider** Cancel **Done**

OPERA Prepaid Card Interface ID
456789

Prepaid Card Service Provider

Endpoints

PrepaidCardEndpoint

PrepaidCardEndpoint

8. Repeat steps 4 through 7 to add multiple Prepaid Card endpoints. You can select a Prepaid Card Service provider and add multiple Prepaid Card endpoints, but it should meet the following criteria:
 - The OPERA Prepaid Card Interface ID is unique and should not be duplicated.
 - Each Prepaid Card Service provider should be mapped with a unique OPERA Prepaid Card Interface ID.
 - Each Prepaid Card endpoint should be mapped with a unique OPERA Prepaid Card Interface ID.
9. Click **Done**.

The Tenant Core Configuration screen appears with mapped Prepaid Card Service Provider endpoints.

Core Configuration Card Mappings Audit Information

Core Configuration

Hotel Name Merchant ID

Prepaid Card Service Provider

<input type="text"/>	OPERA Prepaid Card Interface ID 456789	PrepaidCardEndpoint PrepaidCardEndpoint	...
<input type="text"/>	OPERA Prepaid Card Interface ID 567432	PrepaidCardEndpoint1 PrepaidCardEndpoint1	...

10. Once the prepaid card endpoints are added, you can perform the following actions:
 - **Edit:** This option allows you to edit the **Prepaid Card Service Provider** and **Endpoints** details. OPERA Prepaid Card Interface ID cannot be edited, it is disabled.
 - a. Select the Prepaid Card endpoint record you wish to edit.
 - b. Click the horizontal ellipsis icon under the **Prepaid Card Service Provider** section and then click **Edit** to edit the endpoint.
 - c. Select the **Prepaid Card Provider** from the drop-down list.
 - d. Select the **Endpoints** that are configured for the relevant Prepaid Card Service Provider.

e. Click **Done**.

The Tenant Core Configuration screen appears with the updated details.

- **Test:** This option allows you to test the endpoint connectivity.
 - a. Select the Prepaid Card endpoint record you wish to test.
 - b. Click the horizontal ellipsis icon under the **Prepaid Card Service Provider** section and then click **Test** to test the endpoint connectivity.
 - If the Prepaid Card endpoint test is successful, the connection is successful.
 - If the Prepaid Card endpoint test is unsuccessful, the connection fails.
- If a test fails, you need to access the OPI Cloud logs to review the issue.

OPERA Prepaid Card Interface ID	PrepaidCardEndpoint	Status	Actions
456789	PrepaidCardEndpoint	Success	...
567432	PrepaidCardEndpoint1	Success	...

- **Delete:** This option allows you to delete an endpoint from the Tenant Configuration portal.
11. Click **Save** and you will see a confirmation that Core Configuration has been updated successfully.

Whenever you are trying to update any of the following fields, you will see a message 'Configuration update may take up to 15 mins to reflect in runtime'.

- Hotel Name
- Merchant ID
- Prepaid Card Service Provider and Endpoints

 **Note:**

The **Sign Out** option allows you to logout from the OPI Cloud Tenant Configuration portal. When you login next time, you will directly navigate to the Tenant Core Configuration landing page as you have already configured the property using OPERA Cloud.

4

Card Mappings

The OPERA Cloud users with the CCONF or PCONF role can view or update the existing card mappings based on the requirements. You can sort the details in ascending or descending order using the sorting(



) icon.



Note:

You can view the **Card Mappings** tab once the Core Configuration details are updated.

View/Update Card Mappings

To view/update card mappings:

1. The OPI Cloud Tenant Configuration portal landing page appears once you configure the property through OPERA Cloud.
2. Select the **Card Mappings** tab.

The **Card Mappings** screen appears.

Issuer ID	Card Type	Description
26	Card Type AB	Description AliPay
21	Card Type AL	Description Alliance
03	Card Type AX	Description American Express
11	Card Type BC	Description Bank Card
09	Card Type CD	Description CUP Debit
08	Card Type DT	Description Debit Card

3. If required, make necessary changes to the Card Mappings:

- a. **Card Type:** View or update the card type, if required. The card type here should match with the Payment Type configured in OPERA Cloud.
- b. **Description:** View or update the card description, if required.

 **Note:**

Issuer ID cannot be edited.

- 4. Click **Save**.

You will see a confirmation that Card Mappings has been updated successfully.

You will see a message 'Configuration update may take up to 15 mins to reflect in runtime'.

5

Audit Information

Audit Search



The OPI Cloud configuration portal includes an Audit function to keep track of any configuration updates. The OPERA Cloud users with the CCONF or PCONF role can view the OPI Cloud Tenant Configuration portal landing page once the EFT or SVS property is created through OPERA Cloud. Go to the **Audit Information** tab to view the Audit information.



Note:

You can view the **Audit Information** tab once the Core Configuration details are updated.

By default, no Audit records are visible. Use the available filters to narrow the search criteria as required.

1. **Start Date** – Click the calendar () icon and select the required start date
2. **End Date** – Click the calendar () icon and select the required end date
3. **IP Address** – Events containing the IP Address value entered
4. **Username** – Events containing the Username value entered
5. **Description** – Events having the Description value entered
6. **Event Type**
 - a. **Application** – Configuration related events
 - b. **Security** – User account related events
7. Click **Search** to display the relevant Audit details.

By default, the search results appear in descending **Event Time** order. To view details of a particular event, click the **Event Type** on the relevant row.

Depending on the event type, you may see additional information in the **Pre-snapshot** and **Post-snapshot** fields, showing the before and after values, if the event was a configuration update.

Export XLS: This allows you to download the Audit report in excel format.

Tenant Configuration

Core Configuration Card Mappings **Audit Information**

Audit Information

Filters

Start Date: 02/01/2023 End Date: 02/27/2023 IP Address: Username: Description: Event Type: Application Security

Search **Clear**

Export XLS

Audit events

11 result(s)

Feb 23, 2023, 07:30:57 AM UTC Tenant Updated	Application
Feb 23, 2023, 12:11:38 AM UTC Tenant Updated	Application
Feb 22, 2023, 11:44:31 PM UTC Tenant Updated	Application
Feb 15, 2023, 09:29:44 AM UTC Tenant Updated	Application
Feb 15, 2023, 09:29:08 AM UTC Tenant Updated	Application
Feb 15, 2023, 09:22:22 AM UTC Tenant Updated	Application

Audit details

Event ID: 5239 Username: [Redacted]

Date: Feb 23, 2023, 07:30:57 AM UTC Event Type: Application IP Address: [Redacted]

Description: Tenant Updated

Pre snapshot

```
{
  "TENANT": {
    "active": true,
    "chainCode": "[Redacted]",
    "chainOrgCode": "[Redacted]",
    "endpointId": "[Redacted]",
    "hotelCode": "[Redacted]",
    "hotelId": "[Redacted]"
  }
}
```

Post snapshot

```
{
  "PREPAID_CARD_ENDPOINTS_AFTER": [
    {
      "endpointId": "[Redacted]",
      "id": "[Redacted]",
      "prepaidCardInterfaceld": "[Redacted]",
      "tenantId": "[Redacted]"
    }
  ]
}
```

6

Accessibility

Accessibility involves making your application usable for differently abled persons such as low vision or blindness, deafness, or other physical limitations. This means creating applications that can be used without a mouse (keyboard only), used with a screen reader for blind or low-vision users, and used without reliance on sound, color, or animation and timing.

Navigating with the Keyboard

This section provides an overview of keyboard shortcuts and describes how to navigate OPI Cloud Tenant Configuration portal using the keyboard.

Table 6-1 Keyboard Commands

Key	Action
Tab	<p>Move focus to the next component</p> <p>To enter/update any field value:</p> <ul style="list-style-type: none">Press the Tab key, input the data and press Enter. <p>To select any check box:</p> <ul style="list-style-type: none">Press the Tab key and press Spacebar key to select/deselect the check box. <p>To select any options from the drop-down list:</p> <ul style="list-style-type: none">Use the Arrow (Up and Down) keys to select the value and press Enter. <p>To sort the items:</p> <ul style="list-style-type: none">Press the Tab key and press Enter to sort the items in ascending or descending order. <p>To select the date:</p> <ul style="list-style-type: none">Press the Tab key - Moves focus to the next object within the calendar control. When you initially open a calendar control, the focus is on the current date link.Press Enter - On the Current Date link, pressing Enter selects the current date and closes the calendar control.Down Arrow - Moves to the same day of the week in the next week.Up Arrow - Moves to the same day of the week in the previous week.Right Arrow - Moves to the next day.Left Arrow - Moves to the previous day. <p>Or</p> <p>To enter the date:</p> <ul style="list-style-type: none">Input the date and press Enter.

Table 6-1 (Cont.) Keyboard Commands

Key	Action
	To download a file: <ul style="list-style-type: none">• Press the Tab key and press Enter to download the file.
	To navigate to the actions (...) menu: <ul style="list-style-type: none">• Press the F2 key - Enters the actionable menu.• Press Enter - This enables keyboard action on elements inside the actions menu, including navigating between focusable elements inside the menu.• Up Arrow - Move focus to the item above. Press Enter to select the current item.• Down Arrow - Move focus to the item below. Press Enter to select the current item.• Esc - Exits the actionable menu.
Shift+Tab	Move focus to the previous component.
Esc	Close the open popup.
Up Arrow	Move focus and selection to the previous data item.
Down Arrow	Move focus and selection to the next data item.
Left Arrow	Move focus and selection to the previous data item (on left).
Right Arrow	Move focus and selection to the next data item (on right).