HPE GreenLake Flex 8.8.5 user guide

HPE GreenLake for VMware Cloud Foundation: managed for you

HPE GreenLake for VMware Cloud Foundation: customer managed

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Document revision history

Document version	Date	Solution release version
1.0	November 2024	8.8.5

Introduction

This document is intended for pre-sales personnel, account managers, Integration Center personnel, and solution architects who are involved in creating Customer Intent Documents (CIDs) for HPE GreenLake solutions.

When ordering a customized or pre-configured solution, the HPE sales personnel, solution architects, and technical support personnel put together a CID.

The CID stores the requirements of different customers. It contains information on system requirements and configuration which is used by HPE to build the system according to the customer-provided specifications.

HPE Smart CID is the web version of CID. It is a tool that allows you to perform the following:

- Select a system
- Select a configuration
- Enter configuration details as per specific business requirements
- Generate configuration files for build automation

HPE Smart CID is thus an online collaborative tool that aids in customizing the solution as per the customer's data center requirements. Highly intuitive, fast, and time efficient, HPE Smart CID prevents incorrect and incomplete data entry, build errors, and enables a flawless build at the factory or on-site.

Features

Following are the feature highlights of HPE Smart CID:

- **Web-based:** HPE Smart CID is web-based and is accessible from a browser. It is a single location where all the information on customer requirements can be stored and retrieved, instead of having multiple versions with different updates shared over email chains.
- **Simplified experience**:
  - **Built-in validations:** HPE Smart CID has built-in validations to ensure the information entered is complete and accurate.
  - **Autofill**: It provides default values for hostnames, IP addresses, and passwords to make the filling up of the CID process faster and more efficient.
  - **Context-sensitive help**: The inline help is context-aware. It progressively discloses the required information while continuously prompting the users to provide correct data in the related fields.
- **User-friendly and intuitive interface**: HPE Smart CID intuitive and user-friendly interface makes it easy to enter all the CID information in a single location. The interface is like other HPE management tools such as HPE OneView.
- **Customized templates**: HPE Smart CID has customized configuration templates which users can select based on their requirements that aid faster decision-making.
- **HPE Solution Sales Enablement Tool (SSET) and One-Configuration-Advanced (OCA) integration:** HPE Smart CID also supports CID creation through the SSET and OCA portals.
- **HPE GreenLake Cloud Modules Designer integration**: HPE Smart CID supports fetching instance types from Cloud Modules Designer for a specific Bill of Material (BOM).

Browser compatibility

HPE Smart CID is designed to work on the following browsers:

- Google Chrome
- Microsoft Edge

Supported HPE GreenLake offerings

HPE Smart CID supports creating CIDs and Tenant CIDs for the following solutions and cloud services:

HPE GreenLake Private Cloud AI

- Private Cloud AI

HPE GreenLake Cloud Services

- HPE GreenLake for Private Cloud Enterprise

HPE GreenLake Flex

- HPE GreenLake for Red Hat OpenShift Contain;er Platform
- HPE GreenLake for Vmware Cloud Foundation customer managed
- HPE GreenLake for Vmware Cloud Foundation : managed for you.
- **Enterprise Solutions**
  - HPE GreenLake SAP S4/HANA
  - HPE GreenLake for Microsoft Azure Stack HCI
- **SAP HANA**
  - HPE ProLiant DL560 Gen11 Solution for SAP HANA (SPR)
  - HPE ProLiant DL360/DL380 Gen11 Solution for SAP HANA (SPR)
  - HPE ProLiant DL360/DL380 Gen 10+ Solution for SAP HANA (ICX)
  - HPE Superdome Flex Solutions for SAP HANA with HPE Primera/HPE Alletra v6.5
  - HPE Superdome Flex 280 Solutions for SAP HANA (CPX)
  - HPE Superdome Flex Predefined configs with JBOD (CLX)
  - HPE Superdome Flex Solutions for SAP HANA with 3PAR v6.0
  - HPE ProLiant DL560 Gen 10 Predefined config v6.0 (CLX)
- **Infrastructure**
  - HPE Synergy
- **NFV**
  - HPE Telco Infrastructure Configuration Generator

Getting started

HPE Smart CID is a web-based application. You can access HPE Smart CID by logging in to the application from a web browser.

Accessing HPE Smart CID

Access HPE Smart CID from a web browser at https://smartcid.itcs.hpe.com/).

Figure 1. HPE Single Sign-On (SSO) login for HPE Smart CID

To start using HPE Smart CID, you must create a user account

- Click **HPE Employee Login** if you are an HPE employee. HPE Smart CID then authenticates your email address from the HPE corporate directory.
- Click **Customers/Partners Login** if you are a customer or a partner. You can then sign in with your user name and password on the HPE Sign In webpage. If you do not have an HPE account, follow the instructions on the HPE Sign In webpage to create a new account. Log in to HPE Smart CID with your new account.

Note

Existing customers and partners can log in using their current user name/email ID and password.

New customers and partners must sign up through the HPE IAM Next-Generation Single Sign-On and authentication platform.

HPE Smart CID interface

When you log in to the HPE Smart CID portal, the default page displays the following CID types:

- **Private Cloud AI**: Click this option to configure cloud services for private Cloud AI.
- **HPE GreenLake Cloud Services**: Click this option to configure cloud services such as HPE GreenLake for Private Cloud Enterprise, HPE GreenLake for VMware Cloud Foundation, and so on.
- **Enterprise Solutions**: Click this option to configure solutions such as HPE GreenLake for Microsoft Azure Stack HCI, MLOps on HPE container Platform, SAP HANA, and so on.
- **GreenLake Flex Solutions :** Click this option to configure solution such as HPE GreenLake for Red Hat OpenShift Container Platform, HPE GreenLake for Vmware Cloud Foundation customer managed, HPE GreenLake for Vmware Cloud Foundation managed for you.

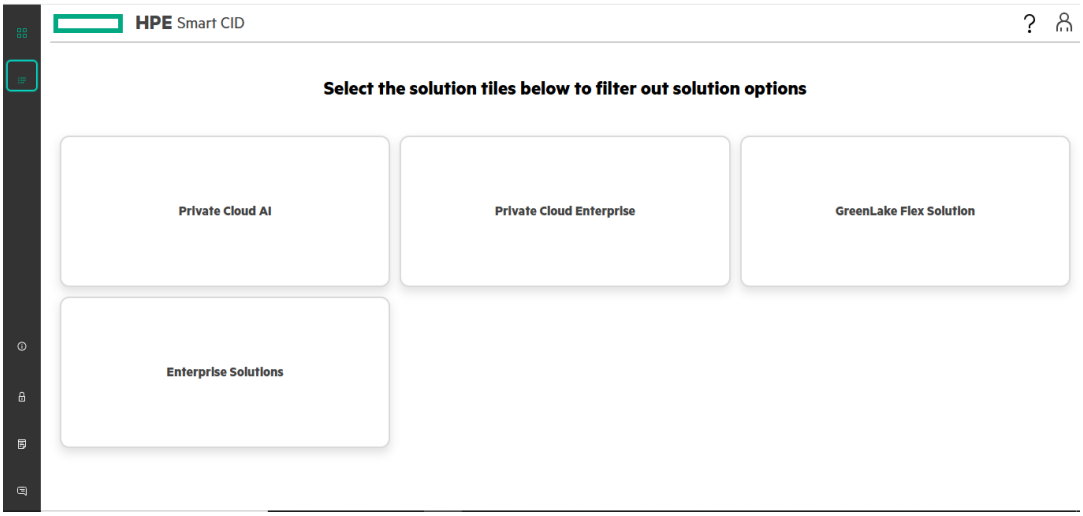

Figure 2. CID types

Figure 3. HPE Smart CID interface

The following table lists and describes the sections of the HPE Smart CID interface.

Table 1. HPE Smart CID interface

Item	Description
1	**Main CIDs page** - Click this icon to view the CIDs page.
2	**CID Types** - Click this icon to display the CID types. • HPE GreenLake Cloud Services • Enterprise Solutions
3	**Search pane** - Search CIDs using any details the CID number, order number, customer name, and so on.
4	**Help, Session** - The icons on the top right of the page stand for the following: • **Help** - Click this icon to take you to the online help page.

Item	Description
	• **Session** - Click this icon to display your login account details and status
5	**Create CID+** - Click this to create a new CID.
6	**Entries** - If a CID is already created, this section automatically displays the status, CID number, order number, region, customer name, configuration, description, creation date, and submit date or last modified date.
7	**Version** - Click this icon to view the following details: • HPE Smart CID version • Build number • Build date
8	**Privacy policy** - Click this icon to redirect you to the HPE Privacy Statement page.
9	**Release Notes** - Click this icon to view the latest HPE Smart CID Release Notes.
10	**Email** - Click this icon to redirect you to the HPE Smart CID Email support.

CID listing page

The CID listing page displays the CIDs created by you. Any user can view or edit the CIDs added as a collaborator. The collaborator details are added in the **Customer Info** section.

Note

Collaborators can be added or deleted and cannot be pre-defined.

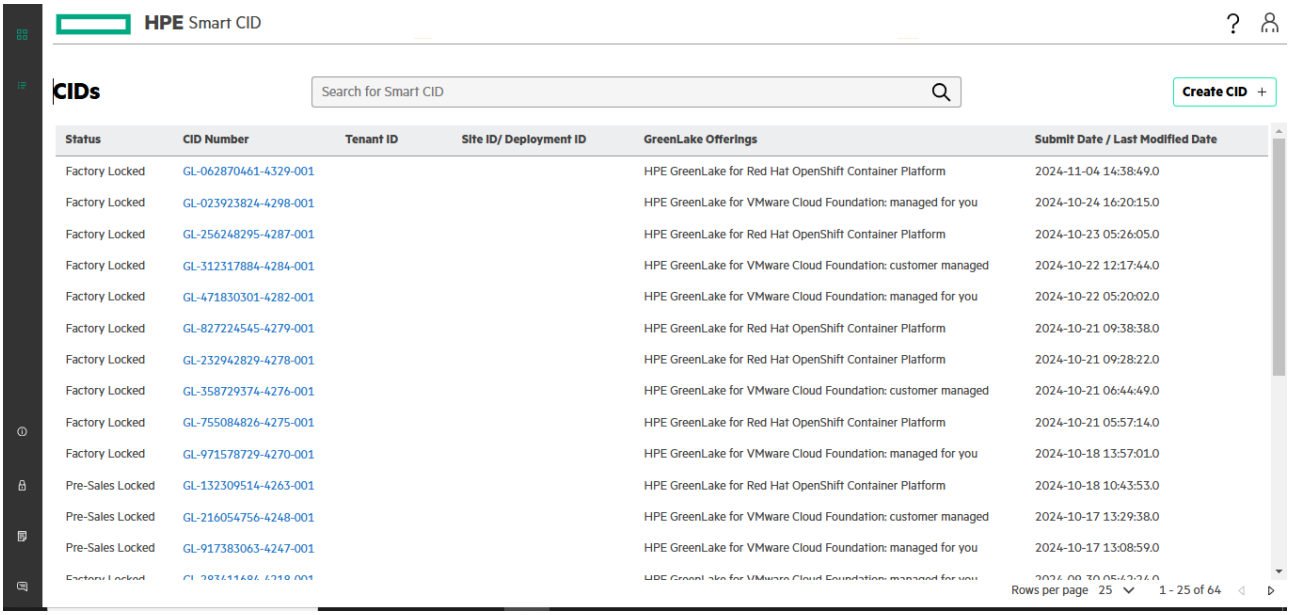

Figure 4. CID listing page

- The CID listing page provides the following details for each of the CIDs listed:
- Status
- CID Number
- Tenant ID

- Site ID/Deployment ID
- GreenLake offering
- Submit Date/Last Modified Date

You can search and filter CIDs using any search string parameter such as CID number, Order number, Customer name, Region, and so on.

Viewing CID details

To view the details of any CID, follow these steps:

1. Click the **CID Number** on the CID listing page. The dashboard of that CID is displayed.
2. Click the section title to view the details of each section.

CID form details

When you click on any form on the dashboard, the details of the form are displayed. You can edit or view the information that was either previously entered or auto-populated in that field.

Each section is explained in detail under the Creating CIDs in the HPE Smart CID section in this document.

Session and Help

On the top right corner of the dashboard window, the **Session and Help** icons appear.

- The **Session** icon displays the email ID of the current user.
- The **Help** icon displays the following:
  - HPE Smart CID version number
  - Link for downloading the latest HPE Smart CID User Guide
  - Link for downloading the latest HPE Smart CID Release Notes
  - Link to the HPE Smart CID training material
  - Link for email support

Actions menu

The **Actions** menu contains the following sub-menus:

- Delete
- Clone
- Upload
- Activity Log
- Downloads

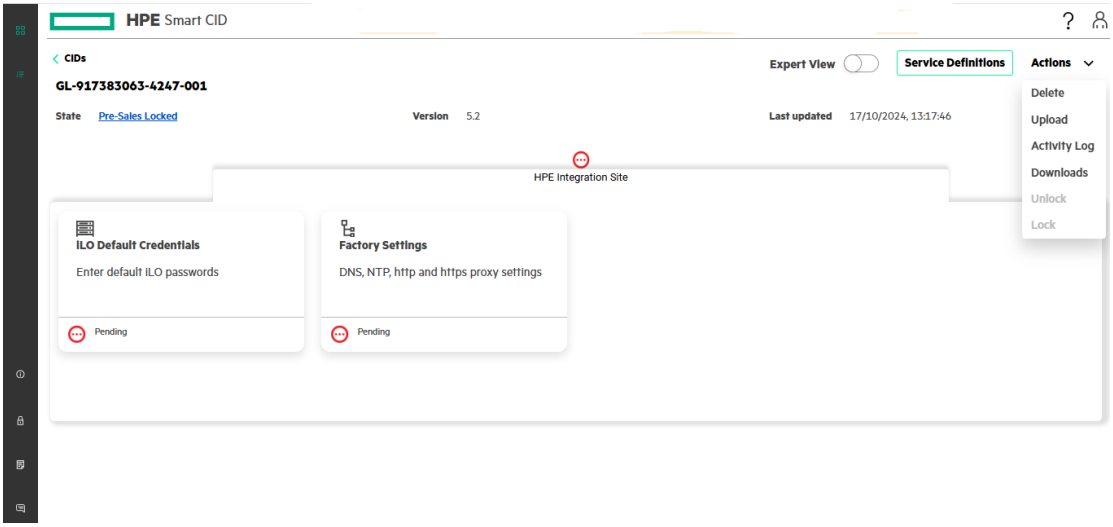

Figure 5. Actions menu

From the **Actions** menu, you can perform the following functions.

- **Delete**: Select **Delete** to delete a CID.
- **Clone**: Select **Clone** to copy all the details of an existing CID to a new CID. All details except the following details are copied.
- These details must be entered manually in the cloned CID form.
  - HPE Sales Order Number
  - HPE Sales Quote Number
  - Guidance ID
- **Upload**: You can upload or attach files to a CID. This option is useful to add supporting documents to a CID. In each CID, you can upload up to 10 files that are a total size of 10 MB. The following file formats are acceptable.
  - Image files with JPEG, JPG, and PNG extensions (file_name.jpeg, file_name.jpg, and file_name.png)
  - Text files (file_name.txt)
  - Portable document format (file_name.pdf)
  - Microsoft Word files with doc and docx extensions (file_name.doc and file_name.docx)
  - Microsoft Excel files with xls and xlsx extensions (file_name.xls and file_name.xlsx)
  - Microsoft Visio files with vsd extension (file_name.vsd and file_name.vsdx)
  - JSON files (file_name.json)
  - YAML files (file_name.yml)
- **Activity Log**: The **Activity Log** window displays the activity progress tracking of the CID.
- **Downloads**: Select **Downloads** to download the output files and uploaded files.

Creating a new CID

To create a new CID, follow these steps:

1. Log in to HPE Smart CID with your credentials.
2. Select **Enterprise Solutions** from the main CID types page as shown in Figure 2. The CID listing page appears.
3. Click **Create CID**.

4. Select offering from the List of drop down.

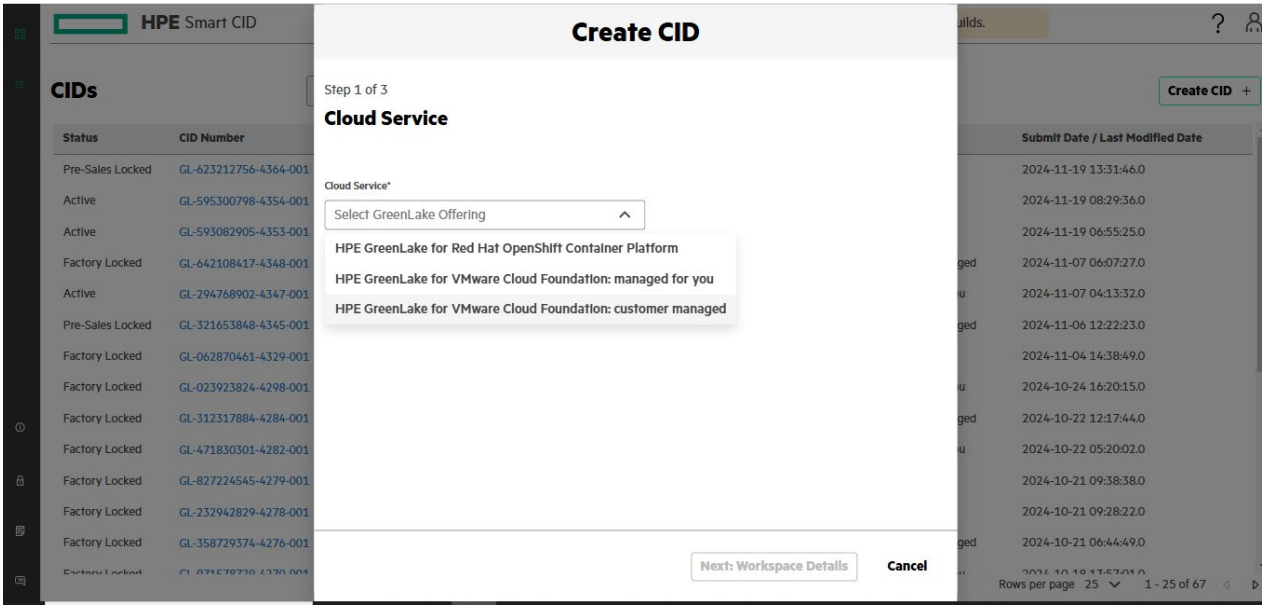

Figure 6. Select HPE GreenLake for VMware Cloud Foundation solution list drop down

5. Select HPE GreenLake for VMware Cloud Foundation: customer managed
6. Select the version number from the **Version** drop-down list.
7. Select **Custom CID** under **Option**.
8. Click **Create**. This initiates the CID process. HPE Smart CID generates a unique tracking ID for every new CID. The status of this new CID is now **Active**.

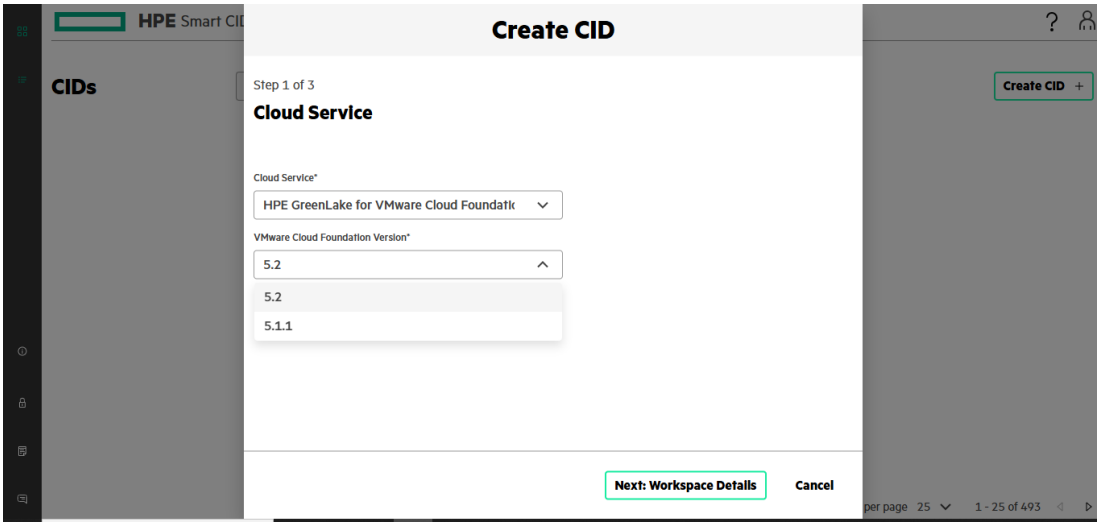

Figure 7. Creating a new CID

Note

HPE Smart CID generates a unique ID for every CID that is created.

- Click **Next: Workspace** Details

User will view the below page with changes

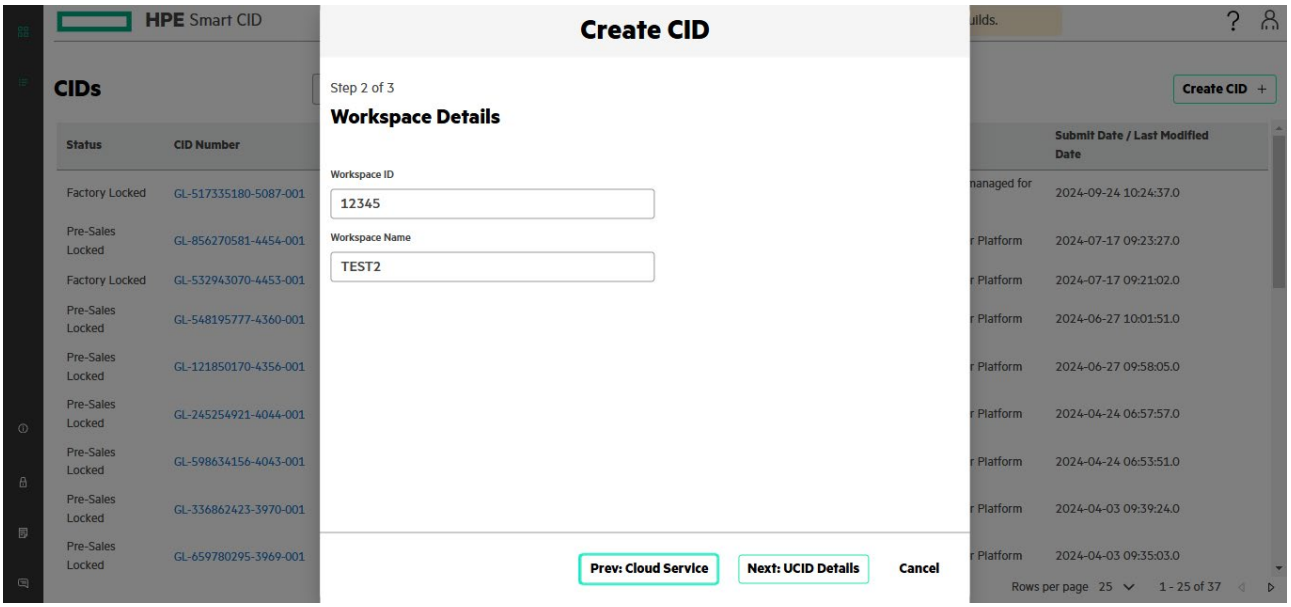

Figure 8. Work Space Details

- Click Next: UCID details

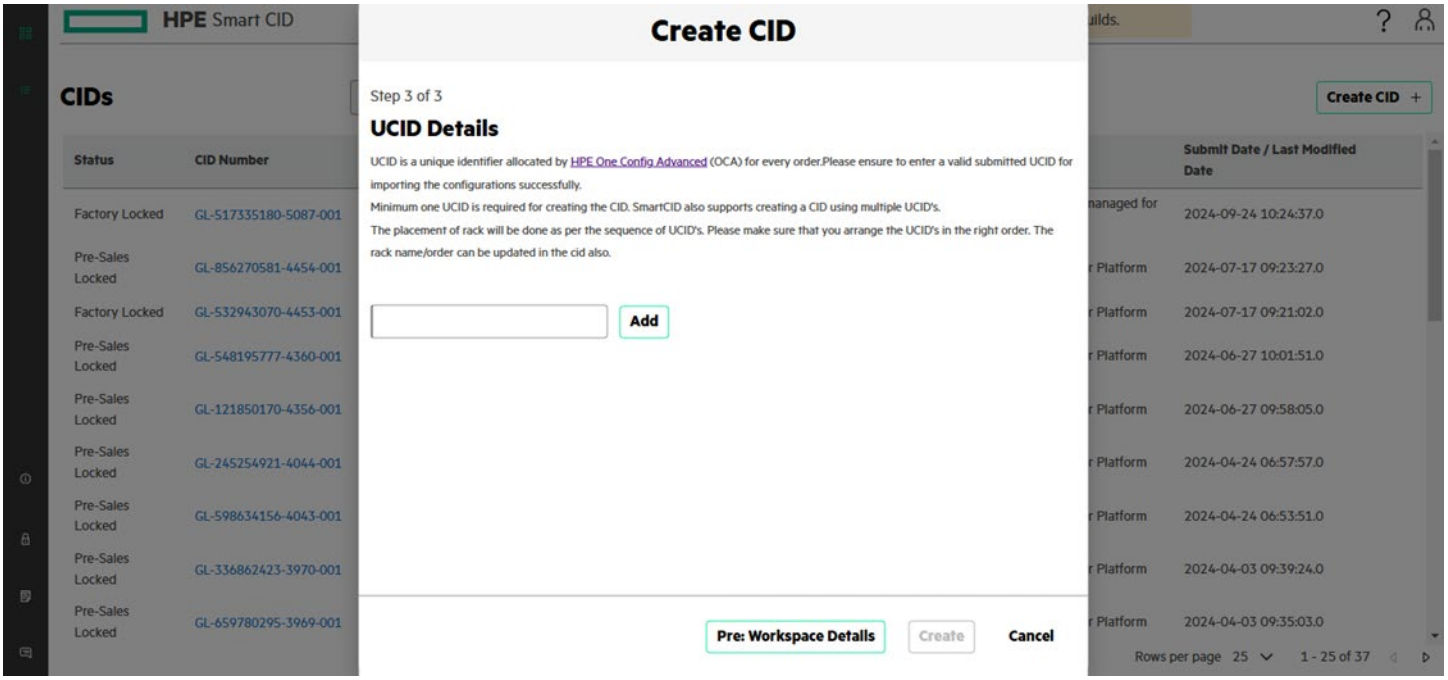

Figure 9. UCID details

- Enter the **UCID** details

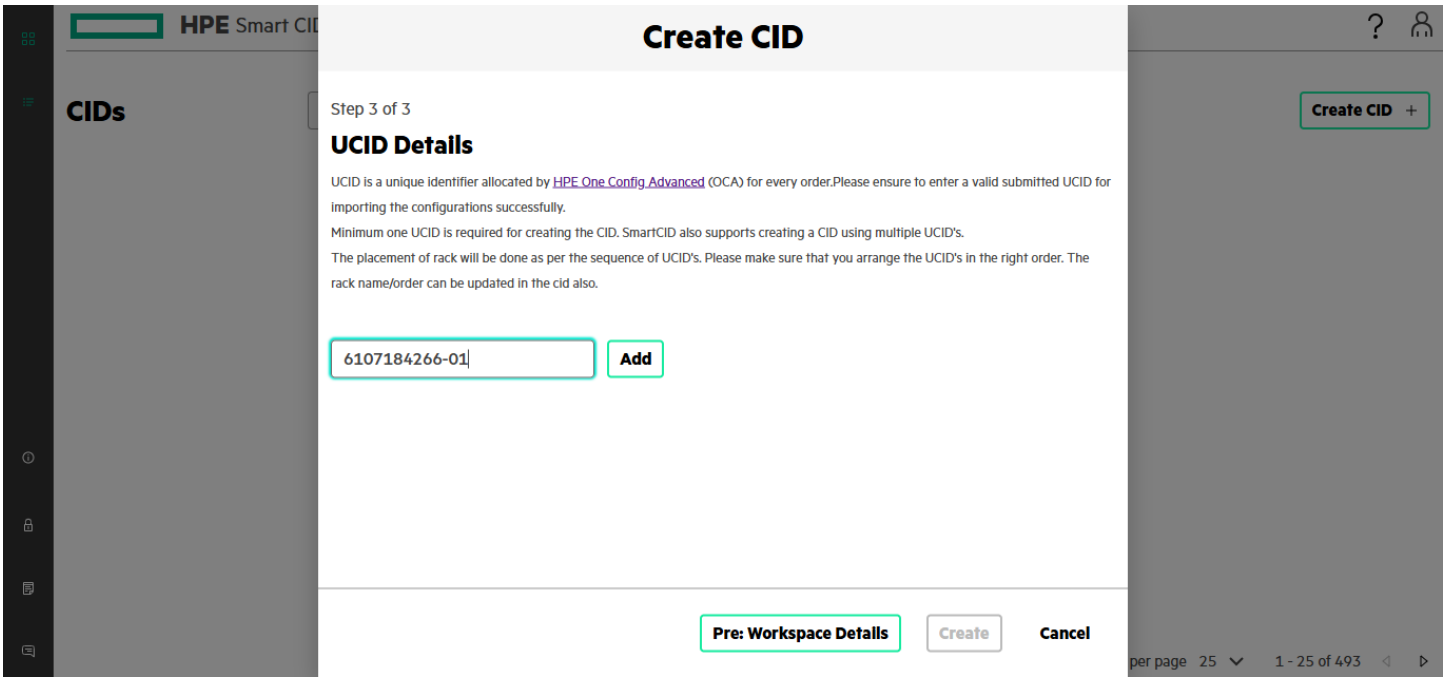

Figure 10. UCID details entered

- Specify the UCID number in the **UCID** field. .
- Click **Add**. The UCID is added to the list. You can add multiple UCIDs.
- Click **Create**. This initiates the CID process. HPE Smart CID generates a unique tracking ID for every new Tenant CID. The created CID is suffixed with version number starting from 001. The status of this new Tenant CID is now **Active**.

Dashboard - HPE GreenLake for VMware Cloud Foundation: customer managed

The dashboard is divided into the following sections:

- Order & customer info
- Base configuration
- HPE Integration site

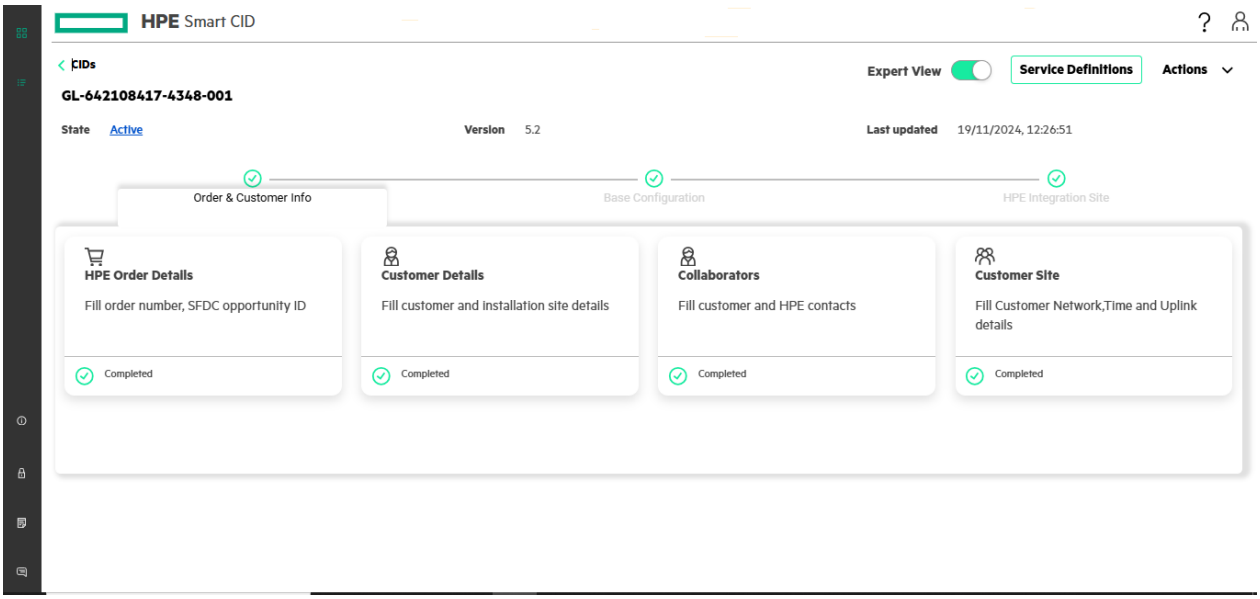

Figure 11. Dashboard - HPE GreenLake for VMware Cloud Foundation: customer managed

The following sections describe each of these in detail.

HPE Order Details

In the **General** form, you can view or edit the following details:

- HPE Order details
- Customer details
- Collaborators
- Customer Site

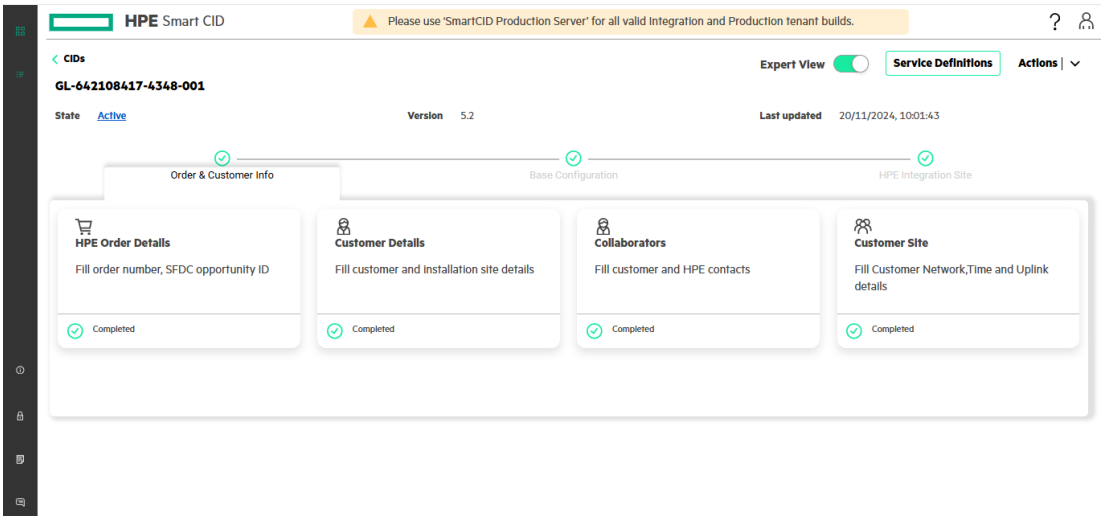

Figure 12. order & customer information

HPE Order Details

This form allows you to enter the following details:

- Progress

- UCID
- HPE Sales Order Number
- SFDC Opportunity ID

Customer Details

This form allows you to enter the following details:

- Progress
- Address Type
- Address
- Zip code
- Country

Collaborators

This form allows you to enter the following details:

- Name
- Role
- Phone Number
- Email ID
- Availability

Customer Site

- Network
- Time
- Uplink

Base configuration

This tab displays the following forms that allow you to specify the network and infrastructure components:

- Networks
- HostName Prefix
- Infrastructure
- Infrastructure Management
- Solution Network Settings

Note

These forms contain the default values, and you must edit the values, only if required.

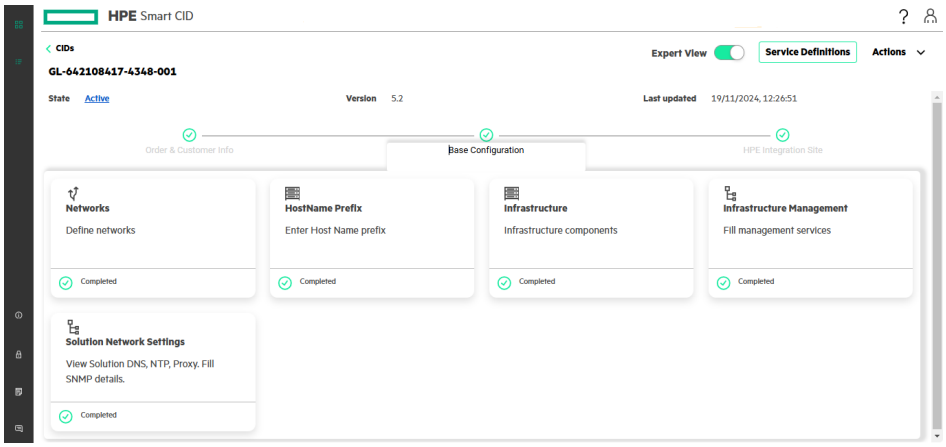

Figure 13. Base Configuration

Networks

In this form, you can view or update the details of Ethernet Networks, iSCSI Networks, and SAN Networks:

- Ethernet Networks
  - Network Name
  - VLAN ID
  - Preferred Bandwidth Gbps
  - Max Bandwidth Gbps
  - Network Mask
  - Subnet ID
  - Gateway IP address
  - IP Address Pools: Start Address and End Address.

Note

VLAN IDs are reserved for Aruba Switches.

- **SAN Networks**: Network Name and Fabric Type. The fields in SAN Networks are non-editable.

Note

SAN Networks is visible when the UCID imported from OCA has the information related to HPE Alletra.

HostName Prefix

This form allows you to enter the Host Name Prefix. All the host names for this CID will be updated with this host name prefix.

Note

With the **VMWare vSphere Metro Storage Cluster** option, unique host names are auto-populated in primary and secondary CIDs.

Infrastructure

This form displays the following tabs:

- **Servers**: This displays the rack sections with Component ID, Type, Role, Rack Elevation Start, Rack Elevation End, and Instance Type.

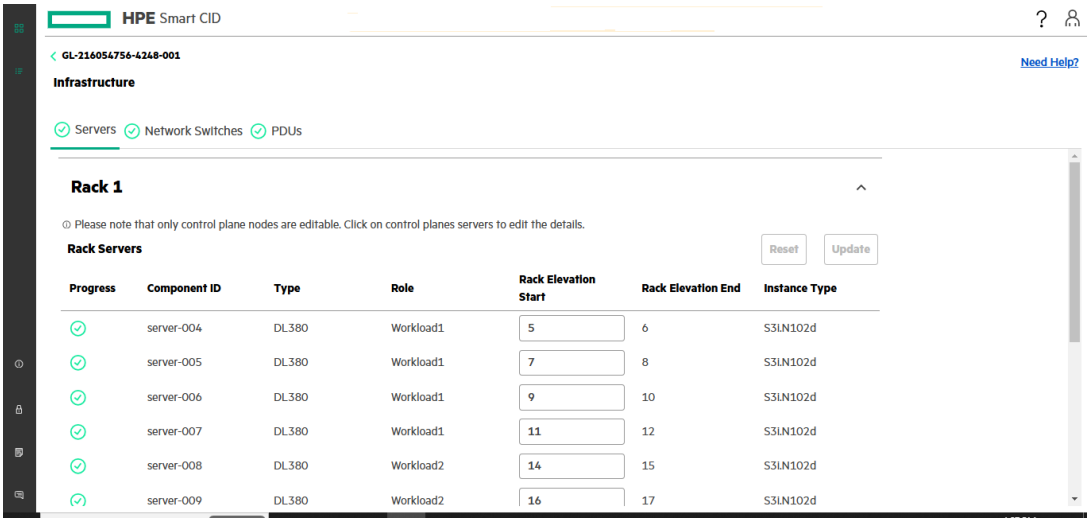

Figure 14. Server Rack

- Click the **Control Plane server** to view or update the following tabs:
  - **General**: Host Name and ILO Host Name
  - **Access Credentials**: User Name, Credentials For, and Password
  - **Network Connections**: Network Name, Purpose, and IP Address

Note

- Duplicate values are not allowed in Rack elevation start.
- Details of the Control Plane server is editable.
- If the imported UCID has Chassis servers, then they are populated inside the Chassis.
- Component IDs for Control Plane nodes (servers) are assigned starting from server-001 to server-003.

- **Network Switches**: This displays the rack sections with Progress ,Component ID, Type, Host Name, Management IP, Rack Elevation Start, Rack Elevation End, and Password. You can also view or update the following tabs:
  - **General**: Role and Host Name
  - **Access Credentials**: User Name, Credentials For, and Password
  - **Network Connections**: Network Name, Purpose, and IP Address

Note

- HPE Aruba 6300M switches in a rack will have the same host name, access credentials, and network connections. Therefore, updating one 6300M switch will update all HPE Aruba 6300M switches in the rack.
- For HPE Aruba 6300, the default rack elevation is populated with standard default values. Therefore, the user must modify the default values populated in the HPE Smart CID UI to desired U locations for Aruba switches and proceed.
- The role of HPE Aruba 8325 is now mentioned as compute and not spine. Therefore, the user must manually modify the role to spine for the required Aruba switches under **infrastructure > racks > networkSwitches > role** in the base-configuration.json output file.
- In multi-rack configurations, the role of HPE Aruba 8325 is updated to Spine.

- **PDUs**: This displays the rack sections with Type, Host Name, Management IP, Admin Username, and Admin Password. You can view or update the following tabs:
  - **General**: Type and Host Name
  - **Access Credentials**: User Name, Credentials For, and Password
  - **Network Connections**: Network Name, Purpose, and IP Address

Note

- Two PDUs of the same model are termed Daisy-chained PDUs. If the rack has four PDUs, then the first pair (1 & 2 PDU) is primary and the next pair (3 & 4 PDU) is considered as secondary.
- If Rack has only two PDUs of the same model, then it is not a daisy chain. Each PDU will be primary and have a unique IP address.
- A pair of PDUs have the same IP address, host names, and password.

User can view tabs of Progress, component ID, Type, Rack Elevation start, Rack Elevation End and Max Protected Capacity,

Note

User cant update or make changes to General ,Access credentials and Network Connection

Note

Enclosure Drive Storage capacity is not getting added to HPE Alletra Storage Capacity. Therefore, the user must manually add the additional enclosure drive storage capacity under **storage Arrays > expansion Shelves > maxProtectedCapacityTB** in the Infra-layout.json output file.

Infrastructure Management

This form contains the following tabs:

- **Leaf Spine RPI :** This displays the Network ID, Network Mask,Actions(s). You can view or update the following tabs:
- **Aruba Fabric Composer**: This displays the following sections:
  - **General**: VM Name, ASN Prefix, VNI Base, Mac Lower, and Mac Upper
  - **Access Credentials**: User Name, Credentials For, and Password
  - **Network Connections**: Network Name, Purpose, and IP Address
- **Leaf Spine Overlay**: You can view or update the following section
  - **Network Connections**: Network ID, Network Mask, Spin Leaf ASN, Action(s)

Note

Starting from the current IP address used for the Out of Band Management (OOBM) Network in the GL Metal DCC tab, three consecutive IP addresses will be reserved for GL Metal DCC. These IP addresses cannot be duplicated.

Solution Network Settings

This form displays the following tabs:

- **SNMP**: In this tab, you can view or update the following:
  - Target IP Address
  - Target Port
  - SNMP Email Contact
  - SNMP Security Name
  - SNMP Read Community String
  - Location
  - Username
  - Group name
  - Security level
  - Authentication Type
  - Authentication PassPhrase
  - Encryption Type
  - Encryption PassPhrase

Locking a Tenant CID

Locking a Tenant CID is the stage where all the information about the customer including, customer requirements, system configuration, and settings is finalized. At this stage, the CID is locked for editing and HPE Smart CID does not allow changes to the customer information, configuration, and other settings.

After all the system and configuration details are entered, the CID is ready for locking. If the information is incomplete, then the **Lock** option is not enabled under the **Actions**. menu. You must enter all the missing information to proceed further and lock the CID.

When you create a new Tenant CID, HPE Smart CID generates a unique tracking ID for every new Tenant CID. The initial status of this new Tenant CID is **Active**.

HPE Smart CID supports two levels of locking a CID.

1. Pre-Sales Locked
2. Factory Locked

Pre-Sales Locked

Users with pre-sales access can lock a CID after entering all the system and configuration details.

To lock a CID:

1. Select **Lock** from the **Actions** menu. The **Lock Confirmation** window appears.

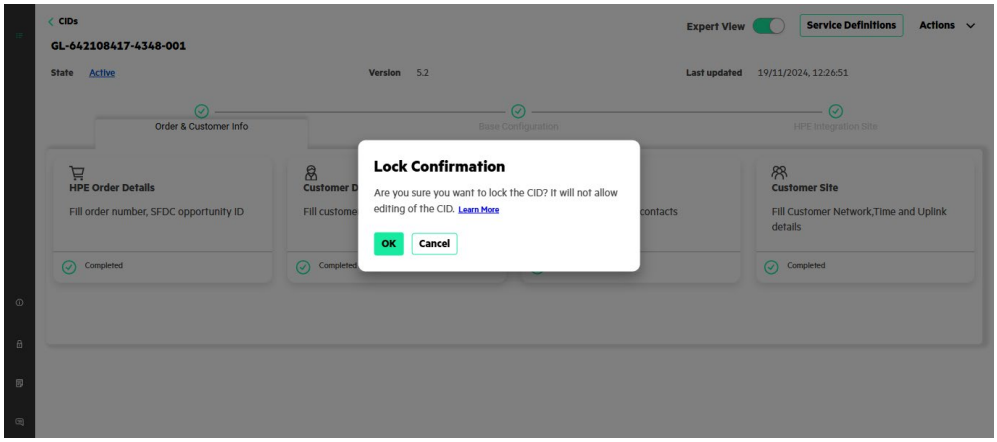

Figure 15. Lock Confirmation window for Pre-Sales Locked

2. Click **OK**. The status of the CID changes from **Active** to **Pre-Sales Locked**. All the tabs are now read-only.

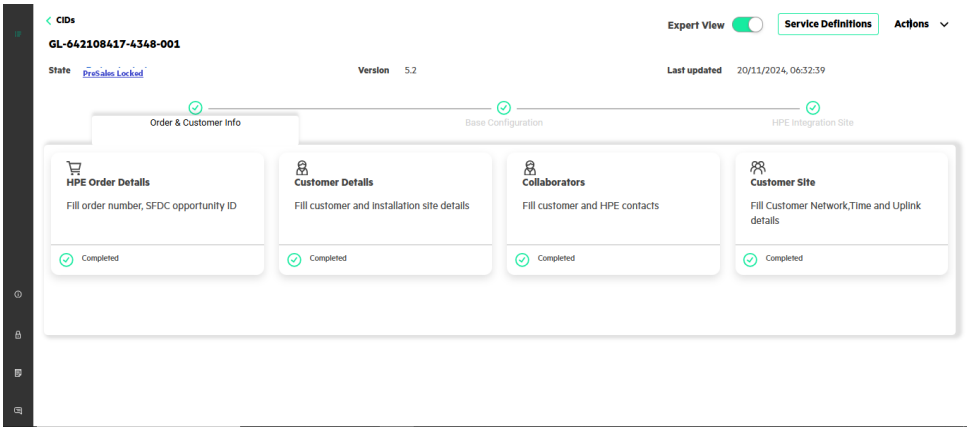

Figure 16. Pre-Sales Locked

3. After the CID is pre-sales locked, the configuration details are successfully uploaded to GitHub. The status of the CID is set to **Pre-Sales Submitted**.

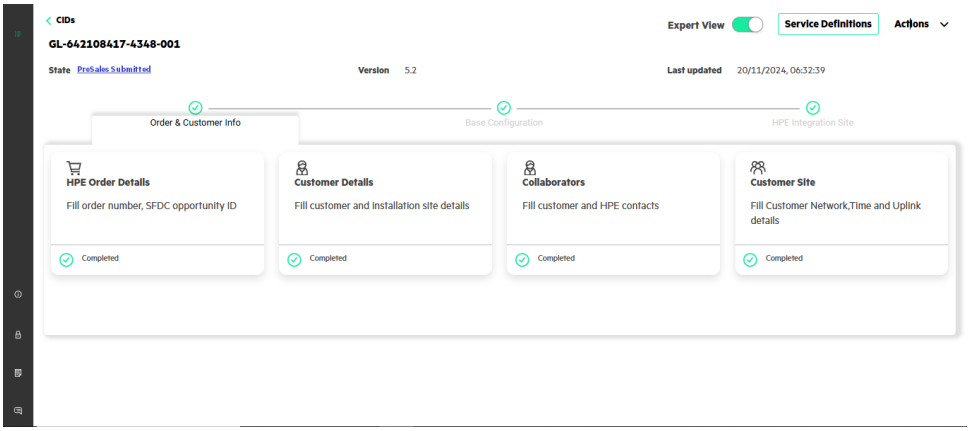

Figure 17. Pre-Sales Submitted

Factory Locked

Users with factory access can view the **HPE Integration Site** tab on the dashboard and edit the details of the following forms.

- **ILO Default Credentials**: This form provides the ILO default credentials (Username and Password) and allows you to update the password.
- **Factory Settings**: This form allows you to view or update the following tabs:
  - DNS
  - NTP
  - Proxy
  - Others
    - Installation System IP
    - Cohesive VM IP

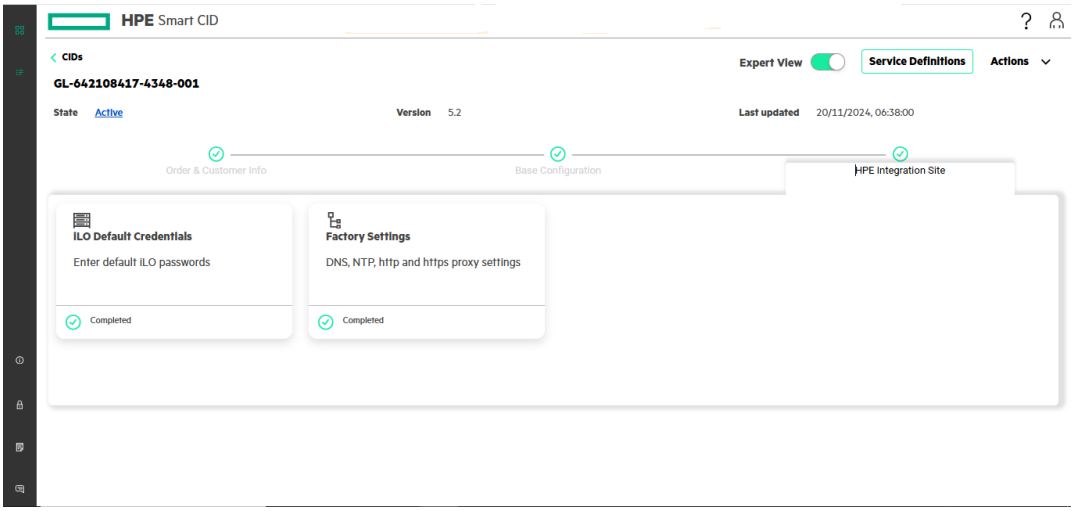

Figure 18. HPE Integration site

Note

Users with factory access can turn on the Expert View to view the Order & Customer Info, Base Configuration, and Control Plane tabs. These tabs are read-only, and users cannot edit these tabs.

Users with factory access can lock the CID after entering the details in the **HPE Integration Site** tab.

To lock a CID:

1. Select **Lock** from the **Actions** menu. The **Lock Confirmation** window appears.

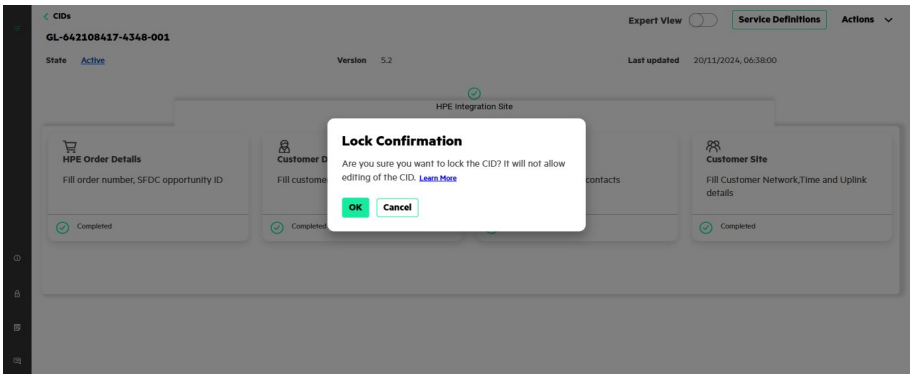

Figure 19. Lock Confirmation window for Factory Locked

2. Click **OK**. The status of the CID is set to **Factory Locked**.

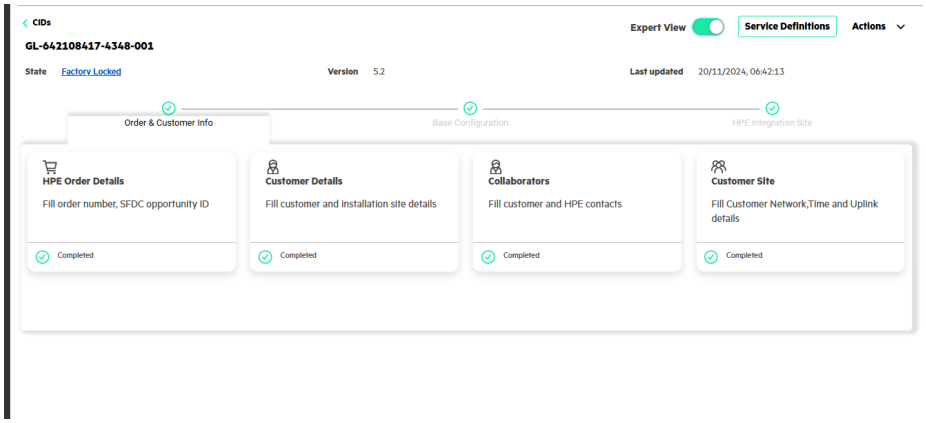

Figure 20. Factory Locked

3. After the CID is factory locked, the details in the **iLO Default Credentials** and **Factory Settings** forms are successfully uploaded to GitHub. The status of the CID is now set to **Factory Submitted**. You can view the updated details in the base-configuration.json output file.

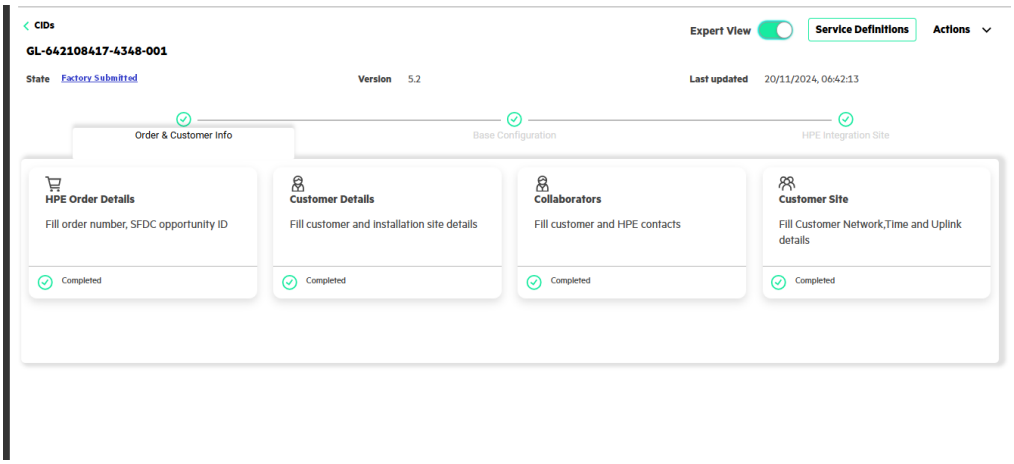

Figure 21. Factory Submitted

Downloading output files

After locking the CID, you can download the output files.

To download the output files:

1. Select **Downloads** from the **Actions** menu.
2. Upload the public key to encrypt.

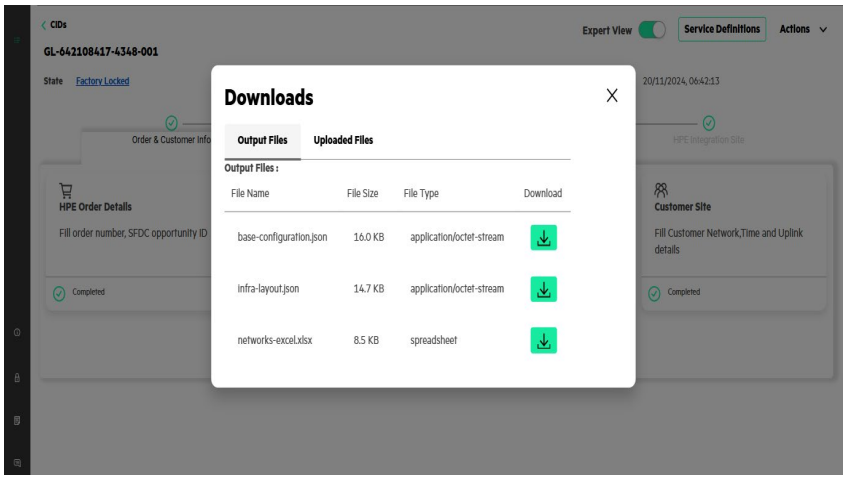

Figure 22. Download

3. Click the **Download** icon.

Note

user can view baseline location in Infra layout json file.

Service Definitions

A set of requirements or user inputs are required to facilitate the automated deployment of HPE GreenLake for Vmware Cloud Foundation customer managed & HPE GreenLake for Vmware Cloud Foundation customer managed for you. This allows you to enter the service configuration details for the solution.

Note

Service Definitions do not support Replication.

You can fill in the Service definitions after entering all the details in **Order & Customer Info**, **Base Configuration**, and **Control Plane** tabs.

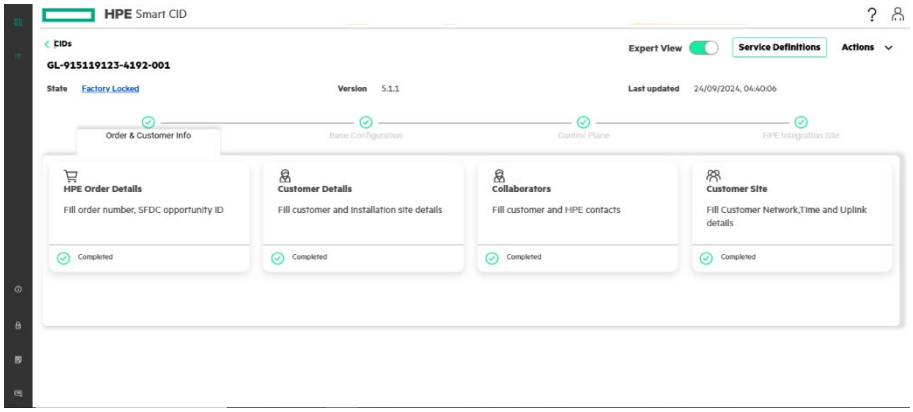

Figure 23. Service Definitions screen

You can add the following services.

- HPE GreenLake for VMware Cloud Foundation: customer managed
- HPE GreenLake for VMware Cloud Foundation: managed for you.

Add HPE GreenLake for VMware Cloud Foundation: customer managed

1. Click **Service Definitions** available in the top right corner of the dashboard as shown .The **Service Definitions** page appears.

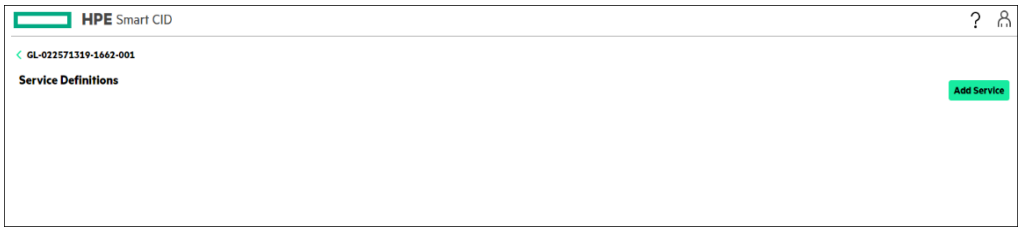

Figure 24. Service Definitions – Add Service

2. Click **Add Service**. The **Add Service** window appears.
3. Select **Vmware Cloud Foundation customer managed.**
4. Click **Create**. **Virtual Machines** is added as a service.

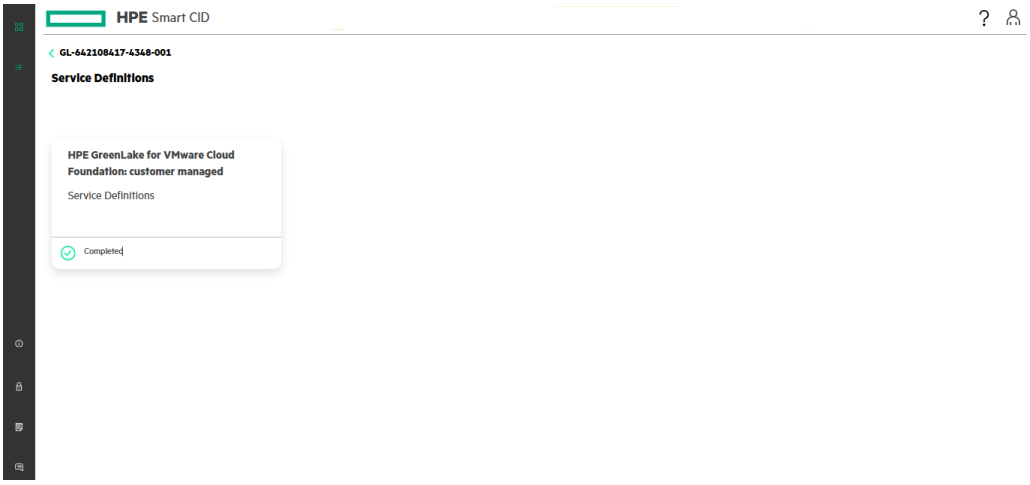

Figure 25. Virtual Machines as a service form

5. Click the HPE GreenLake for Vmware Cloud Foundation : customer managed o view the tabs as shown in the following figure

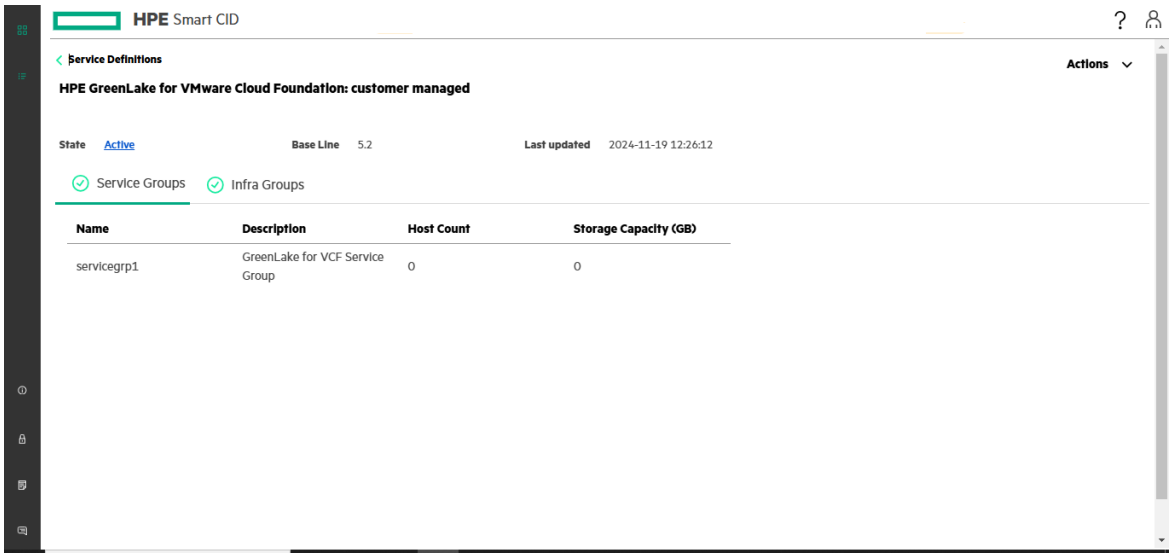

Figure 26. Virtual Machines - Tabs

- **Service Groups**: This displays the Name, Description, Host Count, and Storage Capacity GB. You can view or update the details in the following tabs:
- **Infra Groups**: This displays the Name, Description, Management, and Allotted Service Group. You can view or update the details in the following forms.
  - **General**: Name, Description, and Host Count
  - **vSphere Clusters** : Configure vSphere Clusters
    - **Clusters**: Name, Principal Storage, and Profile.
  - **General** : Configure vSphere Clusters.
    - **General** : Name, Instance Type, vSphere HA Enabled, DRS Enabled, VSANESA, Profile, Principal Storage, Network Pool Name, Reuse Network.

- **Port Groups** : Name, Type, and Action(s),
  - **Servers** : Component ID, Type, Host Name, ILO Host Name.
    - **General** : Host Name, ILOS Host Name.
    - **Access Credentials**: Credentials for, User Name, Password, Actions(s).
    - **Network Connections**: Network Name, Purpose, IP address, Actions(s).
  - **Networks** : Ethernet networks : Network Name, VLANID, Network Mask, Subnet ID, Gateway IP Address, Actions(s),
- **Data Stores** : Name, Dedup, Actions
- **Edge Clusters**: Edge Cluster, BGP Peers, Application Networks.
  - **Edge cluster**: Auto system ID, Cluster name, Tier 0 Router Name, Tier 1 Router Name
- **BGP peers** : Autonomous System ID, Neighbour password, Top IP Address, Action(s),
- **Application virtual Networks** : Logical Segment, Type, Action(s).

– NSX-T

- **NSX-T VMs**: This displays the name of NSX-T VM,Appliance Name, Host name, Cluster VIP Host name, Cluster VIP

- **Configurations**: User will view General, Virtual Machines, and Vcenter tab.
  - **General**: Virtual Machine Name, Type, Host Name, and Version.
  - **Virtual Machines**: user will view Component ID, Type, Name
    - **General**: Virtual Machine name, Type, Host Name.
    - **Access Credentials**: Credentials For, User Name, and Password
    - **Network Connections**: Network Name, Purpose, IP Address, Action(s).
  - **Vcenter** : user will view SSO Domain name, Data Center name.

Note : User can view the similar options for Service Definition for **HPE GreenLake for Vmware Cloud Foundation customer managed for you.**

HPE GreenLake for VMware Cloud Foundation: managed for you

Creating a new CID

To create a new CID, follow these steps:

1. Log in to HPE Smart CID with your credentials.
2. Select **Enterprise Solutions** from the main CID types page as shown in Figure 2. The CID listing page appears.
3. Click **Create CID**.
4. Select offering from the List of drop down.

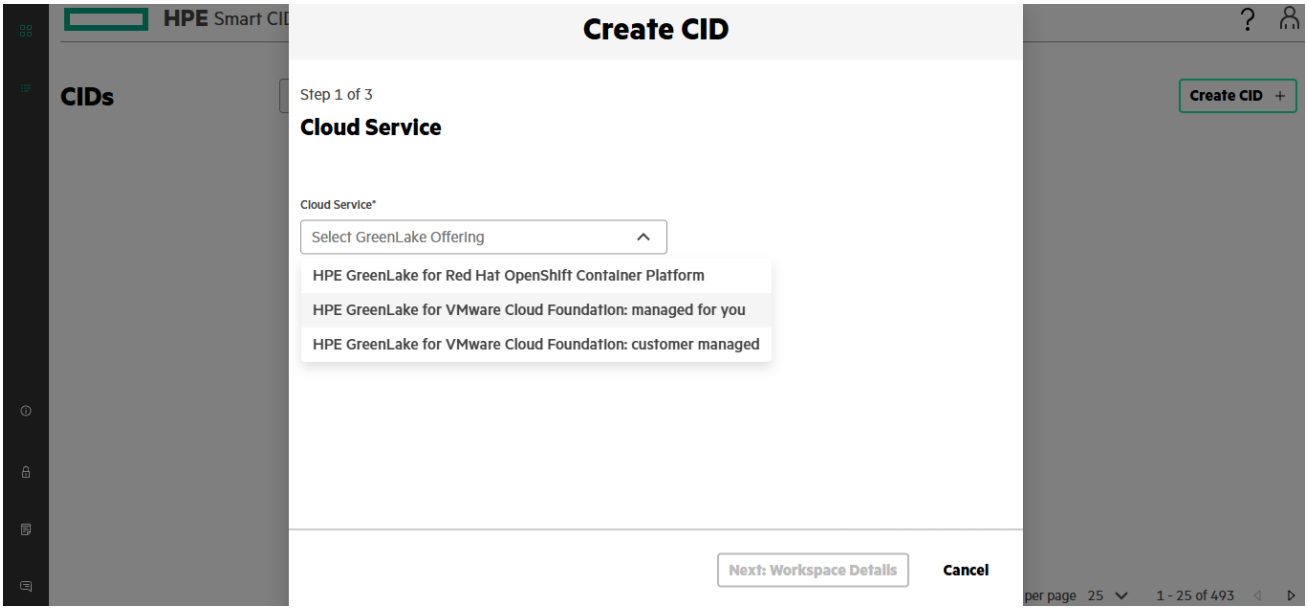

Figure 27. Select HPE GreenLake for VMware Cloud Foundation managed for you

5. Select HPE GreenLake for VMware Cloud Foundation: managed for you
6. Select the version number from the **Version** drop-down list.
7. Select **Custom CID** under **Option**.
8. Click **Create**. This initiates the CID process. HPE Smart CID generates a unique tracking ID for every new CID. The status of this new CID is now **Active**.

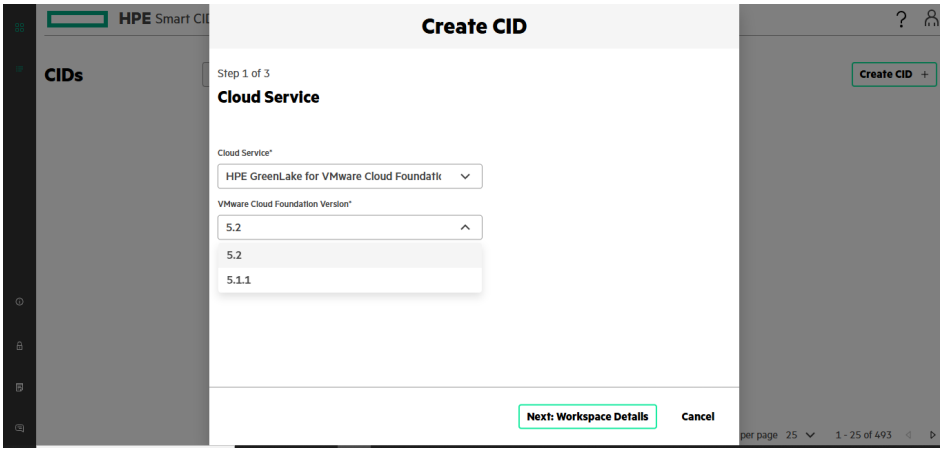

Figure 28. Creating a new CID

Note

HPE Smart CID generates a unique ID for every CID that is created.

- Click **Next: Workspace** Details

User will view the below page with changes

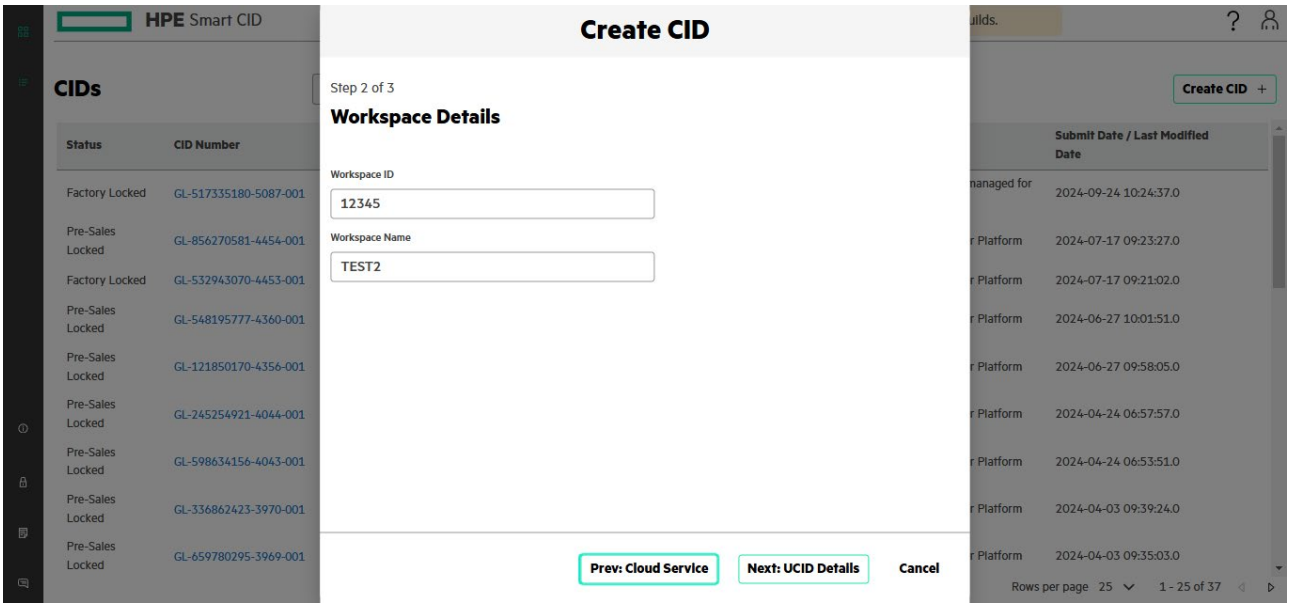

Figure 29. Work Space Details

- Click Next: UCID details

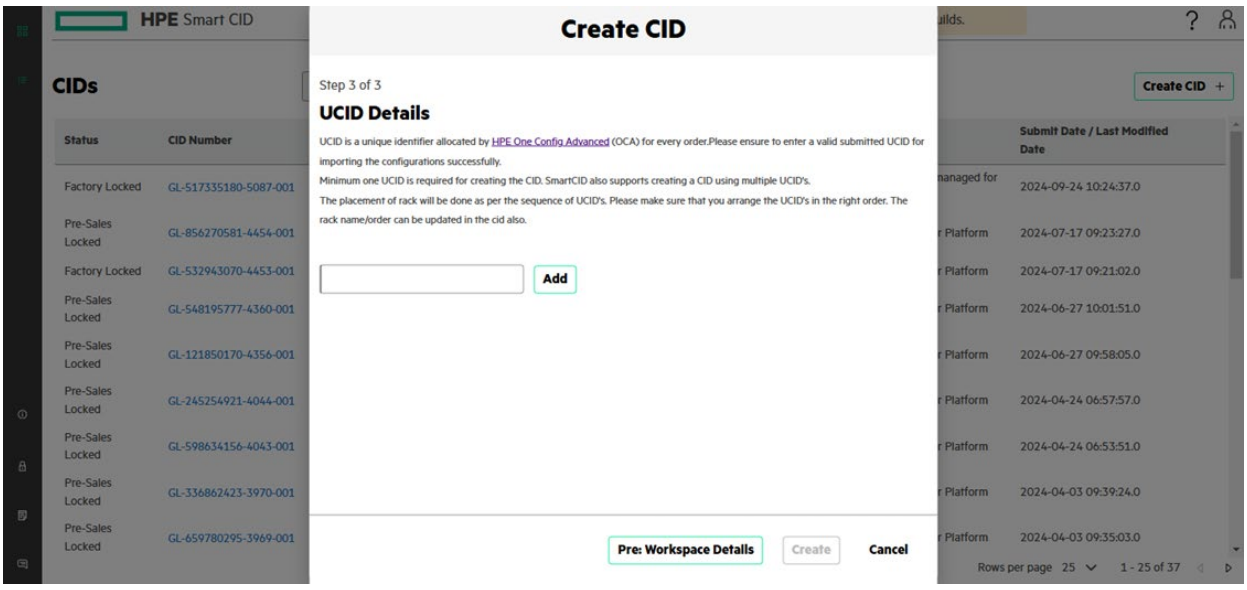

Figure 30. UCID details

- Enter the **UCID** details

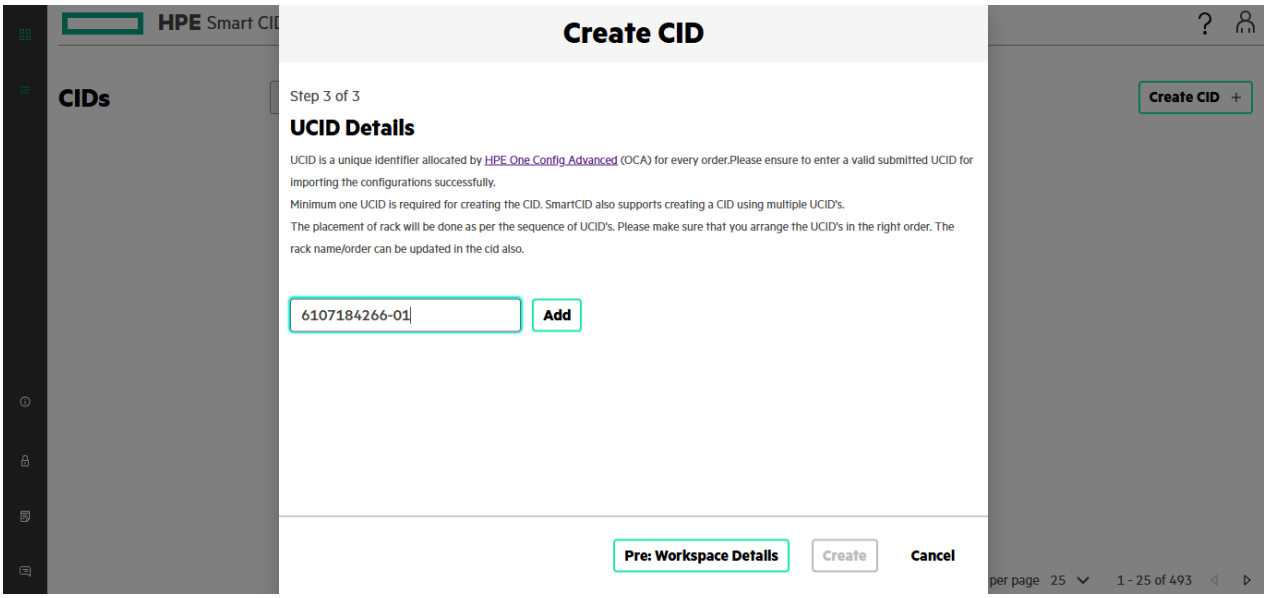

Figure 31. UCID details entered

- Specify the UCID number in the **UCID** field. UCID can contain a Bare Metal workload, VM workload, or both.
- Click **Add**. The UCID is added to the list. You can add multiple UCIDs.
- Click **Create**. This initiates the CID process. HPE Smart CID generates a unique tracking ID for every new Tenant CID. The created CID is suffixed with version number starting from 001. The status of this new Tenant CID is now **Active**.

Dashboard - HPE GreenLake for VMware Cloud Foundation: managed for you

For Crating CID ,user need to follow the above steps of Creating a new CID .

User after creating UCID and click on created UCID from the listing as shown below.

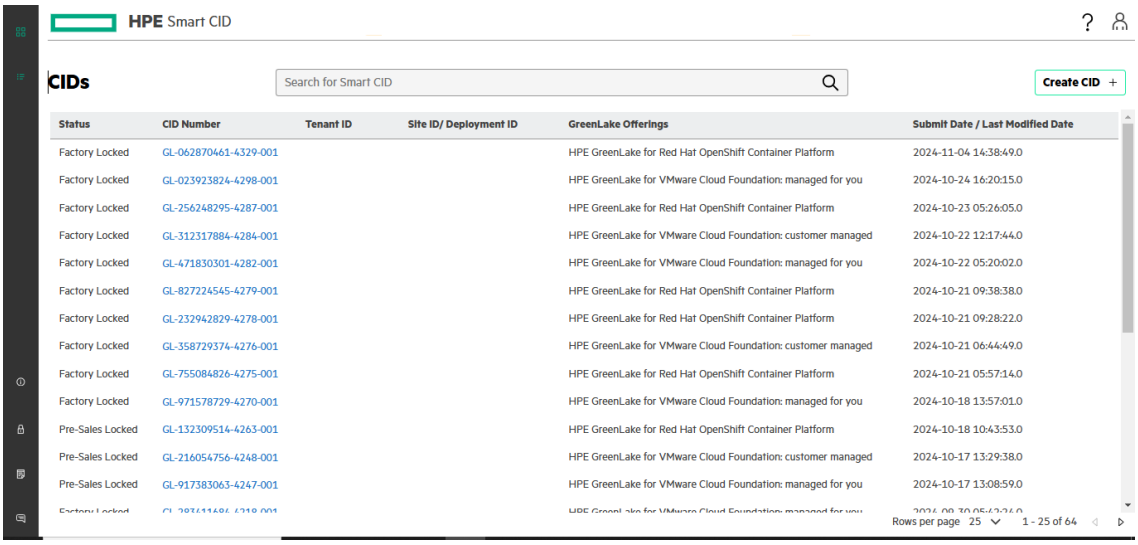

Figure 32. CID listing Page

The dashboard is divided into the following sections:

- Order & Customer Info
- Base Configuration

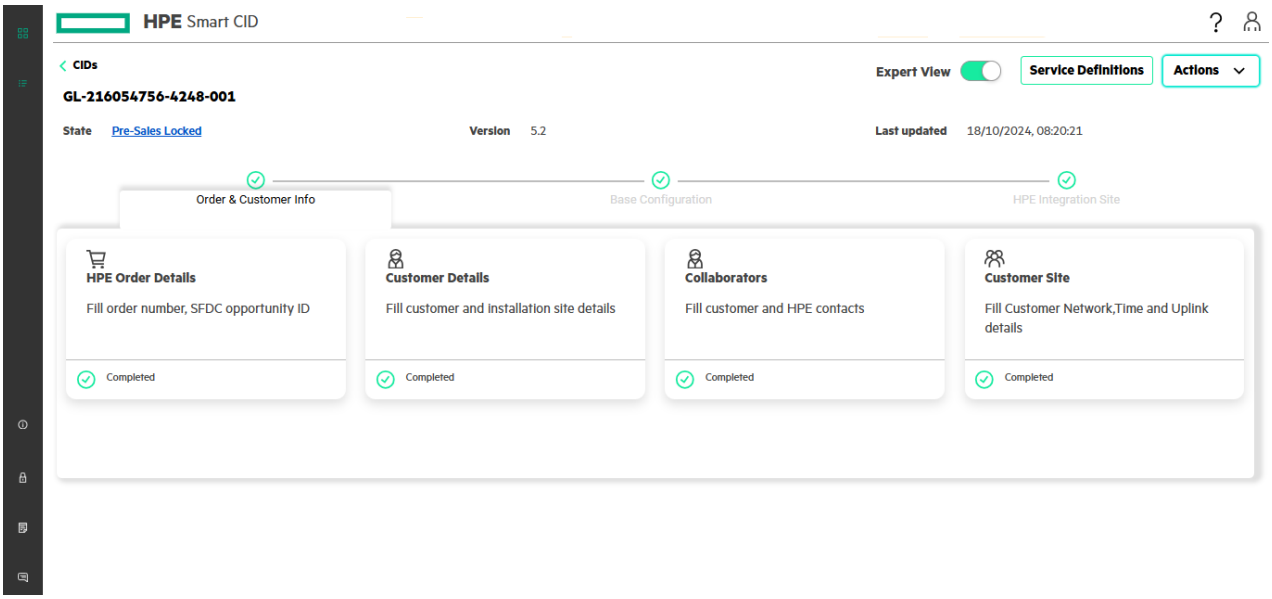

Figure 33. Dashboard - HPE GreenLake for VMware Cloud Foundation: managed for you

The following sections describe each of these in detail.

HPE Order Details

In the **General** form, you can view or edit the following details:

- HPE Order details
- Customer details
- Collaborators
- Customer Site

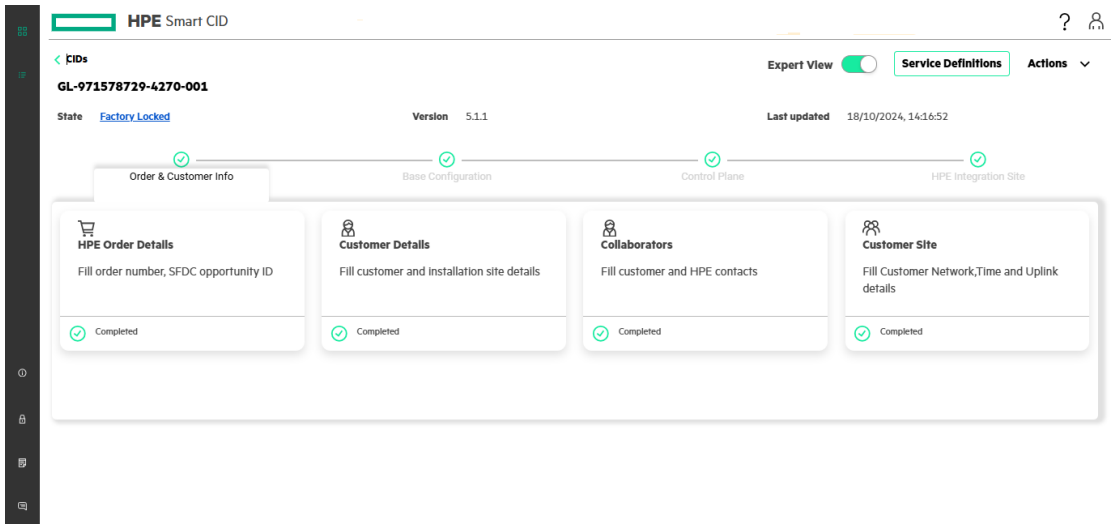

Figure 34. General

HPE Order Details

This form allows you to enter the following details:

- Progress

- UCID
- HPE Sales Order Number
- SFDC Opportunity ID

Customer Details

This form allows you to enter the following details:

- Progress
- Address Type
- Address
- Zip code
- Country

Collaborators

This form allows you to enter the following details:

- Name
- Role
- Phone Number
- Email ID
- Availability

Customer Site

- Network
- Time
- Uplink

Base configuration

This tab displays the following forms that allow you to specify the network and infrastructure components:

- Networks
- HostName Prefix
- Infrastructure
- Infrastructure Management
- Solution Network Settings

Note

These forms contain the default values, and you must edit the values, only if required.

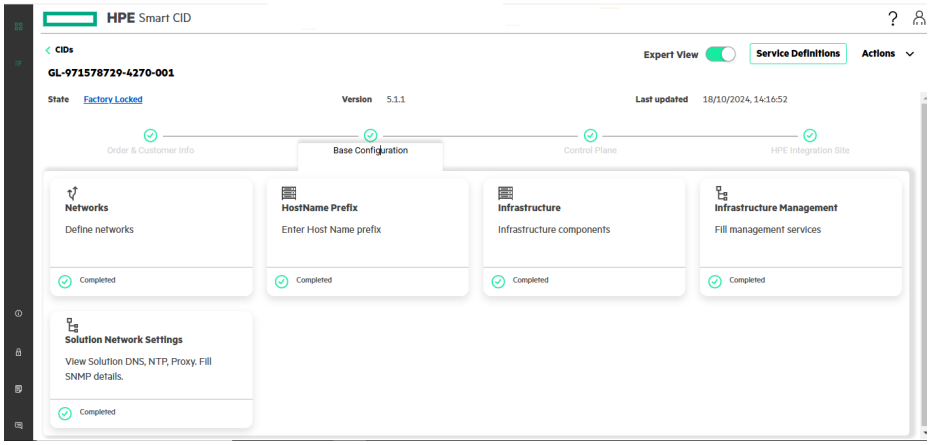

Figure 35. Base Configuration tab

Networks

In this form, you can view or update the details of Ethernet Networks, iSCSI Networks, and SAN Networks:

- Ethernet Networks
  - Network Name
    - VLAN ID
    - Preferred Bandwidth Gbps
    - Max Bandwidth Gbps
    - Network Mask
    - Subnet ID
    - Gateway IP address
    - IP Address Pools: Start Address and End Address.

Note

VLAN IDs are reserved for Aruba Switches.

- HostName Prefix

This form allows you to enter the Host Name Prefix. All the host names for this CID will be updated with this host name prefix.

Note

With the **VMWare vSphere Metro Storage Cluster** option, unique host names are auto-populated in primary and secondary CIDs.

Infrastructure

This form displays the following tabs:

- **Servers**: This displays the rack sections with Component ID, Type, Role, Rack Elevation Start, Rack Elevation End, and Instance Type.

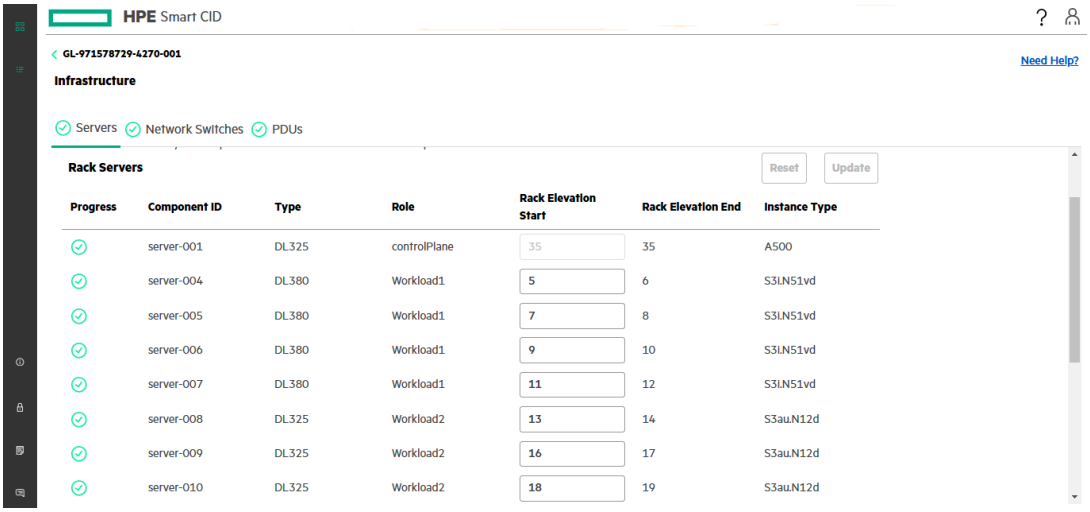

Figure 36. Multiple Server racks

Note

- Duplicate values are not allowed in Rack elevation start.
- Details of the Control Plane server is editable.
- If the imported UCID has Chassis servers, then they are populated inside the Chassis.
- Component IDs for Control Plane nodes (servers) are assigned starting from server-001 to server-003.

- **Network Switches**: This displays the rack sections with Progress ,Component ID, Type, Host Name, Management IP, Rack Elevation Start, Rack Elevation End, and Password. You can also view or update the following tabs:
  - **General**: Role and Host Name
  - **Access Credentials**: User Name, Credentials For, and Password
  - **Network Connections**: Network Name, Purpose, and IP Address.

Note

- HPE Aruba 6300M switches in a rack will have the same host name, access credentials, and network connections. Therefore, updating one 6300M switch will update all HPE Aruba 6300M switches in the rack.
- For HPE Aruba 6300, the default rack elevation is populated with standard default values. Therefore, the user must modify the default values populated in the HPE Smart CID UI to desired U locations for Aruba switches and proceed.
- The role of HPE Aruba 8325 is now mentioned as compute and not spine. Therefore, the user must manually modify the role to spine for the required Aruba switches under **infrastructure > racks > networkSwitches > role** in the base-configuration.json output file.
- In multi-rack configurations, the role of HPE Aruba 8325 is updated to Spine.

- **PDUs**: This displays the rack sections with Type, Host Name, Management IP, Admin Username, and Admin Password. You can view or update the following tabs:
  - **General**: Type and Host Name
  - **Access Credentials**: User Name, Credentials For, and Password
  - **Network Connections**: Network Name, Purpose, and IP Address.

Note

- Two PDUs of the same model are termed Daisy-chained PDUs. If the rack has four PDUs, then the first pair (1 & 2 PDU) is primary and the next pair (3 & 4 PDU) is considered as secondary.
- If Rack has only two PDUs of the same model, then it is not a daisy chain. Each PDU will be primary and have a unique IP address.
- A pair of PDUs have the same IP address, host names, and password.

Note

User cant update or make changes to General ,Access credentials and Network Connection

Note

Enclosure Drive Storage capacity is not getting added to HPE Alletra Storage Capacity. Therefore, the user must manually add the additional enclosure drive storage capacity under **storageArrays > expansionShelves > maxProtectedCapacityTB** in the Infra-layout.json output file.

Infrastructure Management

This form contains the following tabs:

- **Management Services:** This displays the Component ID, VM Name, and Host Name. You can view or update the following tabs:
  - **General**: VM Name, Type, and HostName
  - **Access Credentials**: User Name, Credentials For, and Password
  - **Network Connections**: Network Name, Purpose, and IP Address
- **Aruba Fabric Composer**: This displays the following sections:
  - **General**: VM Name, ASN Prefix, VNI Base, Mac Lower, and Mac Upper
  - **Access Credentials**: User Name, Credentials For, and Password
  - **Network Connections**: Network Name, Purpose, and IP Address
- **Leaf Spine RPI**: You can view or update the following sections:
  - **Network ID** : IP Address
  - **Network Mask**: IP Address
- **Leaf Spine Overlay** : user will list of details for below columns
  - **Network ID:**
  - **Network Mask:**
  - **Spine Leaf ASN:**
  - **Action(s)**

Note

Starting from the current IP address used for the Out of Band Management (OOBM) Network in the GL Metal DCC tab, three consecutive IP addresses will be reserved for GL Metal DCC. These IP addresses cannot be duplicated.

Solution Network Settings

This form displays the following tabs:

- **SNMP**: In this tab, you can view or update the following:
  - Target IP Address
  - Target Port
  - SNMP Email Contact
  - SNMP Security Name
  - SNMP Read Community String
  - Location

- Username
- Group name
- Security level
- Authentication Type
- Authentication PassPhrase
- Encryption Type
- Encryption PassPhrase

Note

DNS, **NTP**, and **Proxy** tabs are non-editable and given only for reference purposes. Users can only edit the **SNMP** tab.

Control Plane

This tab displays the Infrastructure Management form that allows you to specify the control plane attributes:

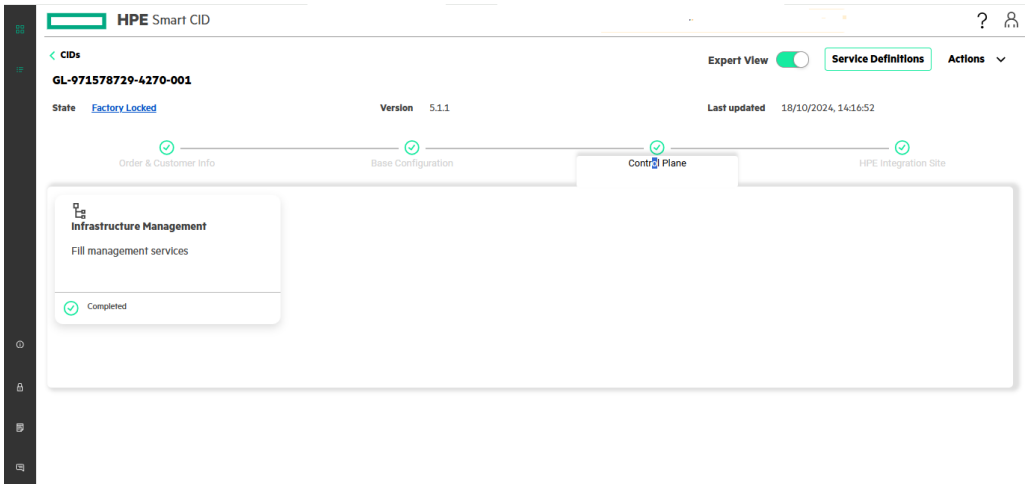

Figure 37. Control Plane

Infrastructure Management

This form has the following tabs.

- **Management Services**: This displays the Component ID, VM Name, and Host Name. You can view or update the following tabs:
  - **General**: Host Name, VM Name, and VM Type
  - **Access Credentials**: User Name, Credentials For, and Password
  - **Network Connections**: Network Name, Purpose, and IP Address
- **Host Services**: You can view or update the DHCP and NTP settings.
- **PF Sense**: You can view or update the following tabs **Component ID,VM name, Host name.**

  Select one of the Virtual machines and user will view:

  - **General** : Role,VM Name, Type, Host Name
  - **Access Credentials** : Credentials for, User Name, Password
  - **Network Connections** : Network name, Purpose, IP Address, Action(s)

Note

Unique IP addresses are auto-populated.

Locking a Tenant CID

Locking a Tenant CID is the stage where all the information about the customer including, customer requirements, system configuration, and settings is finalized. At this stage, the CID is locked for editing and HPE Smart CID does not allow changes to the customer information, configuration, and other settings.

After all the system and configuration details are entered, the CID is ready for locking. If the information is incomplete, then the **Lock** option is not enabled under the **Actions**. menu. You must enter all the missing information to proceed further and lock the CID.

When you create a new Tenant CID, HPE Smart CID generates a unique tracking ID for every new Tenant CID. The initial status of this new Tenant CID is **Active**.

HPE Smart CID supports two levels of locking a CID.

3. Pre-Sales Locked
4. Factory Locked

Pre-Sales Locked

Users with pre-sales access can lock a Tenant CID after entering all the system and configuration details.

To lock a CID:

4. Select **Lock** from the **Actions** menu. The **Lock Confirmation** window appears.

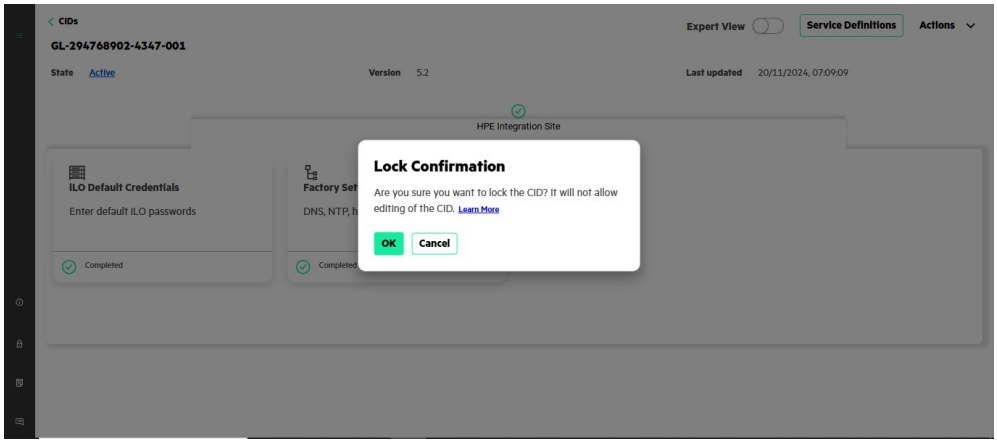

Figure 38. Lock Confirmation window for Pre-Sales Locked

5. Click **OK**. The status of the CID changes from **Active** to **Pre-Sales Locked**. All the tabs are now read-only.

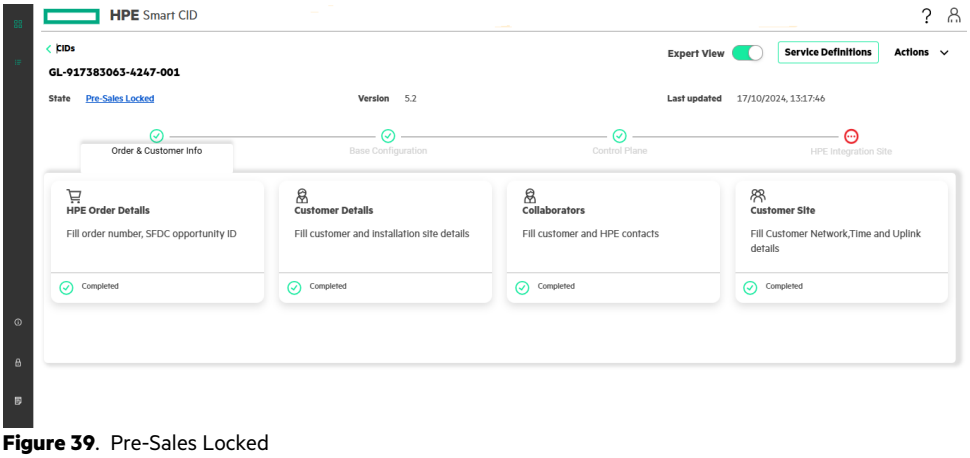

Figure 39. Pre-Sales Locked

6. After the CID is pre-sales locked, the configuration details are successfully uploaded to GitHub. The status of the CID is set to **Pre-Sales Submitted**.

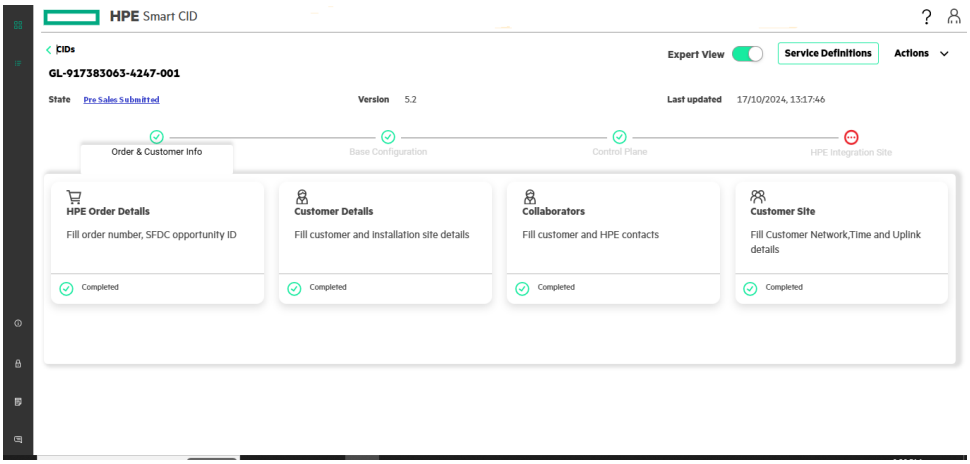

Figure 40. Pre-Sales Submitted

Factory Locked

Users with factory access can view the **HPE Integration Site** tab on the dashboard and edit the details of the following forms.

- **ILO Default Credentials**: This form provides the ILO default credentials (Username and Password) and allows you to update the password.
- **Factory Settings**: This form allows you to view or update the following tabs:
  - DNS
  - NTP
  - Proxy
  - Others
    - Installation system IP
    - Cohesive VM IP

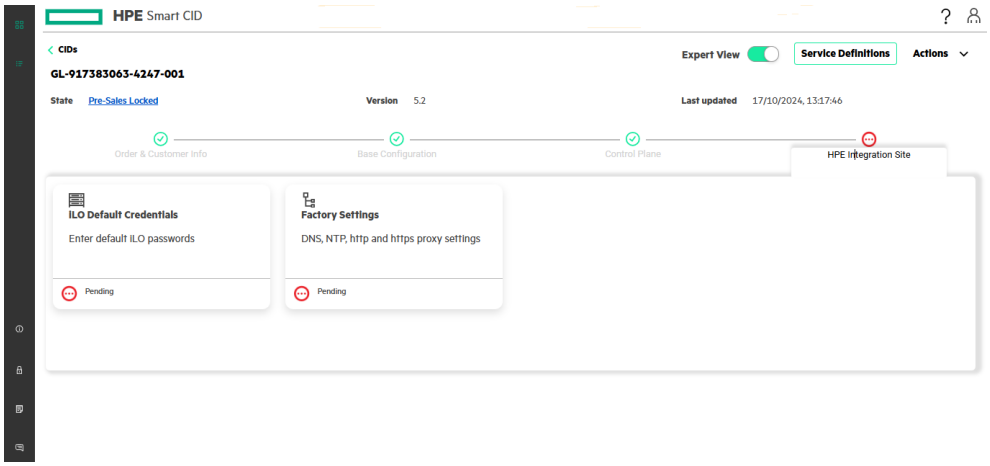

Figure 41. HPE Integration Site tab

Note

Users with factory access can turn on the Expert View to view the Order & Customer Info, Base Configuration, and Control Plane tabs. These tabs are read-only, and users cannot edit these tabs.

Users with factory access can lock the CID after entering the details in the **HPE Integration Site** tab.

To lock a CID:

4. Select **Lock** from the **Actions** menu. The **Lock Confirmation** window appears.

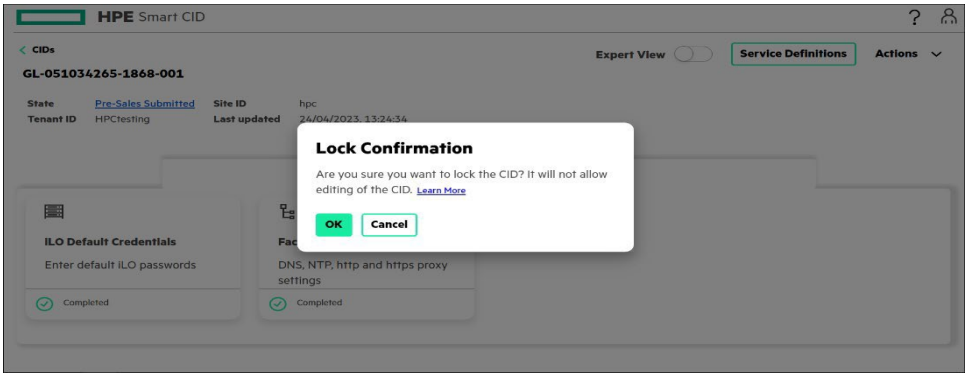

Figure 42. Lock Confirmation window for Factory Locked

5. Click **OK**. The status of the CID is set to **Factory Locked**.

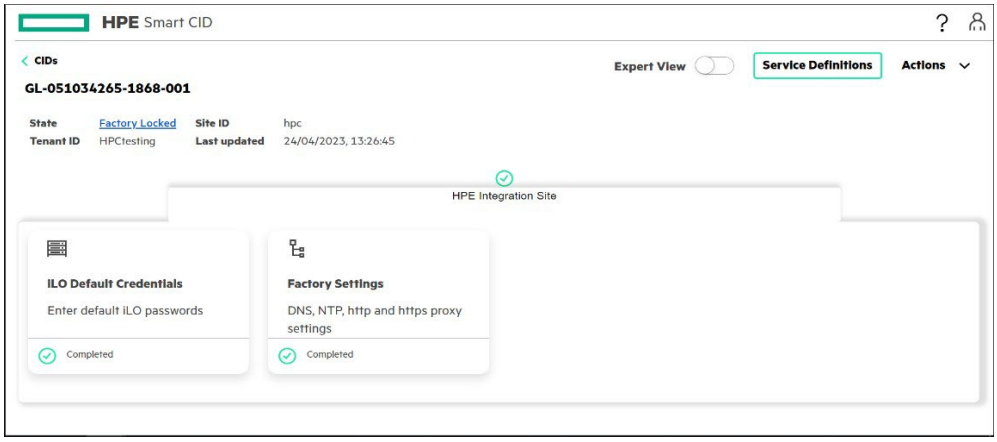

Figure 43. Factory Locked

6. After the CID is factory locked, the details in the **iLO Default Credentials** and **Factory Settings** forms are successfully uploaded to GitHub. The status of the CID is now set to **Factory Submitted**. You can view the updated details in the base-configuration.json output file.

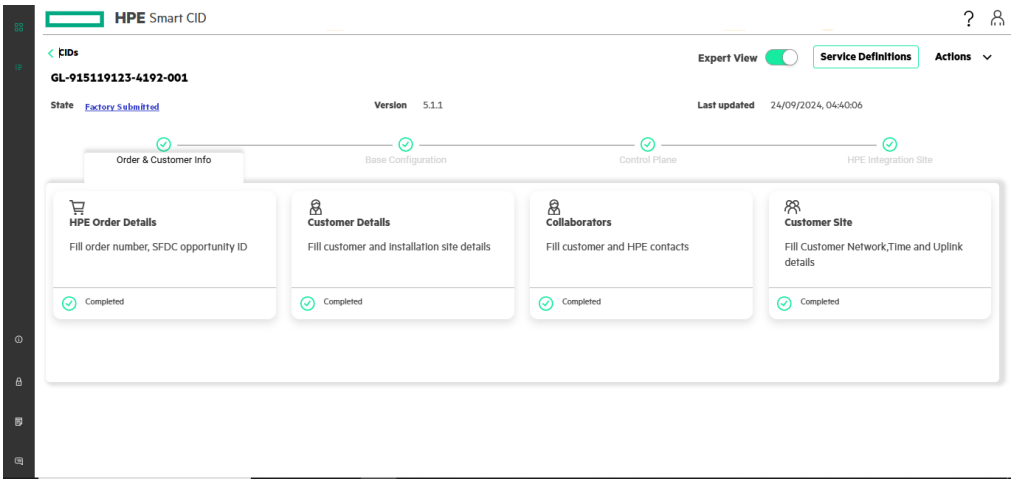

Figure 44. Factory Submitted

Downloading output files

After locking the CID, you can download the output files.

To download the output files:

4. Select **Downloads** from the **Actions** menu.
5. Upload the public key to encrypt.

Figure 45. Downloads window

6. Click the **Download** icon.

Note

user can view baseline location in Infra layout json file.

HPE Smart CID Support

We welcome your feedback. HPE Smart CID is committed to providing you with help and support that meets your needs. You can reach us in one of the following ways:

- Email support
- HPE Smart CID Resource Center

Email support

For critical issues that need immediate attention, send an e-mail to smart-cid@hpe.com. Our support personnel will contact you and help you resolve the issue.

HPE Smart CID documentation

HPE is committed to providing documentation that meets your needs. To help us improve the documentation, send any errors, suggestions, or comments to pdl_smartcid_ind_all@hpe.com. Include the document title and version number when submitting your feedback.

Related documentation

The documentation set for this release is available on the HPE Smart CID website. In addition to this document, you can find related documents and training material on the website: https://smartcid.itcs.hpe.com/Training/#docs.

Resources and additional links

VCF on HPE ProLiant DL Servers Documentation
Log in to the HPE Support Center as an HPE Employee to view the internal documents.

HPE GreenLake Advisory and Professional Services
hpe.com/us/en/services/consulting.html

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aXXXXXXXXen_us, Rev. x [for next versions; first version has no Rev. number; second version is Rev. 1]

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