HPE Smart CID 8.6.1 user guide

HPE Superdome Flex Solutions for SAP HANA with 3PAR v6.0

Abstract:

Abstract: This document supports the following HPE GreenLake solution.

- HPE Superdome Flex Solutions for SAP HANA with 3PAR v6.0

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Document revision history

Document version	Date	Solution revision version
1.0	July 2023	8.6.1

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 that 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 Cloud Services

- HPE GreenLake for Private Cloud Enterprise

- HPE GreenLake for HPC

- HPE GreenLake for VMware Cloud Foundation

- HPE GreenLake for Red Hat OpenShift Container Platform

Enterprise Solutions

- **HPE GreenLake Offerings**

  – HPE GreenLake SAP S4/HANA

  – HPE GreenLake for Microsoft Azure Stack HCI

  – MLOps on HPE container Platform

- **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)

- **Virtualization**

  – VCF on HPE ProLiant DL Servers

- **Infrastructure**

  – HPE Synergy

- **NFV**

  – HPE Telco Infrastructure Configuration Generator

Operating systems and SAP HANA revisions

The following table lists the operating system and supports SAP HANA revisions for HPE Superdome Flex Solutions for SAP HANA with 3PAR v6.0.

Table 1. Operating systems and SAP HANA revision

Operating system	SAP HANA revision 1.0	SAP HANA revision 2.0
SUSE Linux Enterprise Server 12.4 (SLES 12.4)	SPS12	SPS03, SPS04, SPS05
Red Hat Enterprise Linux 7.6 (RHEL 7.6)	SPS12	SPS03, SPS04, SPS05
SUSE Linux Enterprise Server 15 (SLES 15)	SPS12	SPS03, SPS04, SPS05
SUSE Linux Enterprise Server (SLES 15 SP1)	SPS12	SPS03, SPS04, SPS05

HPE Smart CID process

The following section gives an overview of the HPE Smart CID process:

1. Presales teams work with customers and their IT contacts to get requirements and details of the solution.

2. These details are used to create a new CID in HPE Smart CID. When a new CID is created, a CID number is generated by HPE Smart CID.

3. After all the details are entered, the CID is submitted. Smart CID generates the required configuration files and a detailed summary of the CID.

4. After the CID is submitted on HPE Smart CID, the Integration Center team is automatically notified.

5. Presales team provides the HPE Smart CID number to the Integration Centers PM.

6. The Integration Centers Project Manager (IPM) manages CID topics with the related teams to review and submit the CID and remove any CID-related orders that are on hold.

7. New orders usually are automatically added to the daily new order report.

8. In the New Order report, Orders without any HPE Smart CID associated will be on hold and the IPM sends reminders to Presales.

9. CID as defined is then used by the Integration Centers to build the solution.

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:

- **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, Machine Learning Operations (ML Ops) on the HPE container Platform, SAP HANA, and so on.
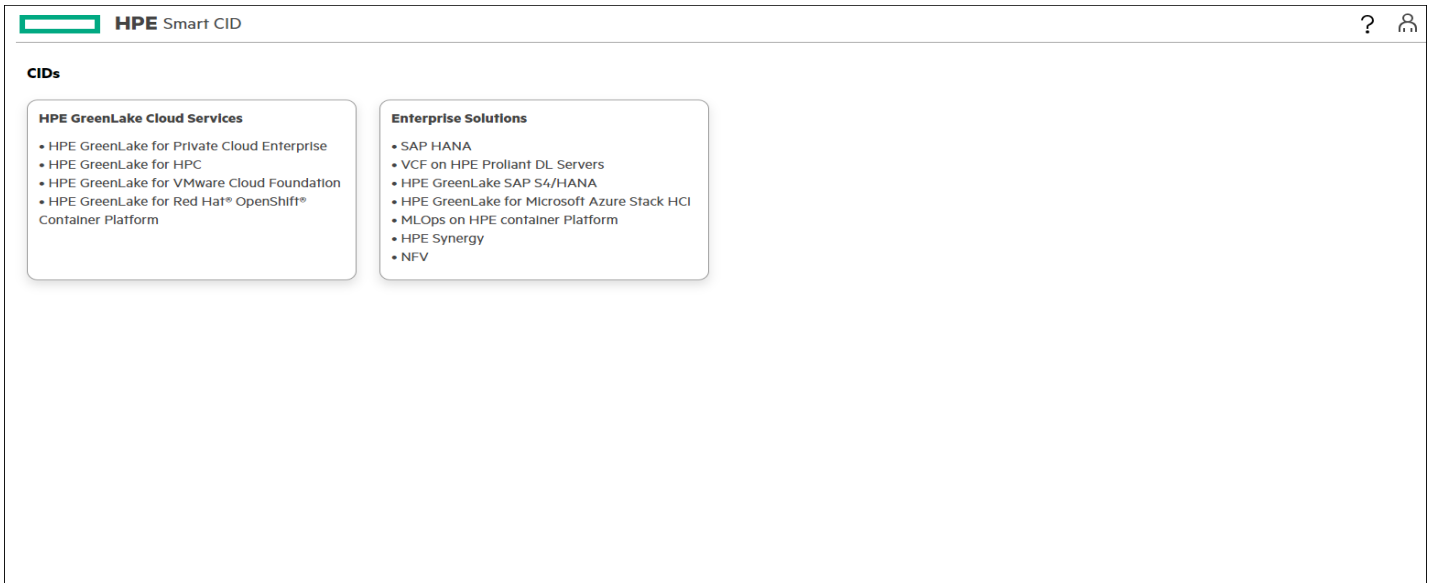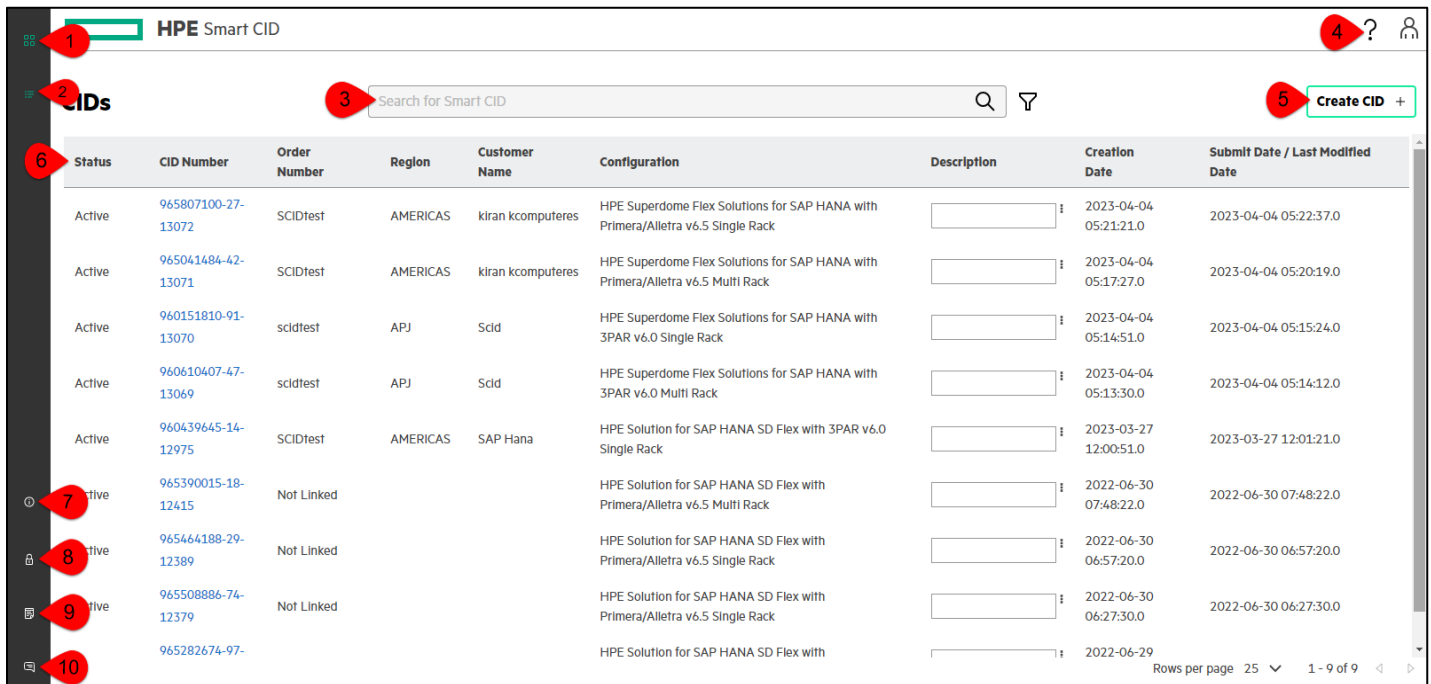

Figure 2. CID types

Figure 3. HPE Smart CID interface

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

Table 2. HPE Smart CID interface

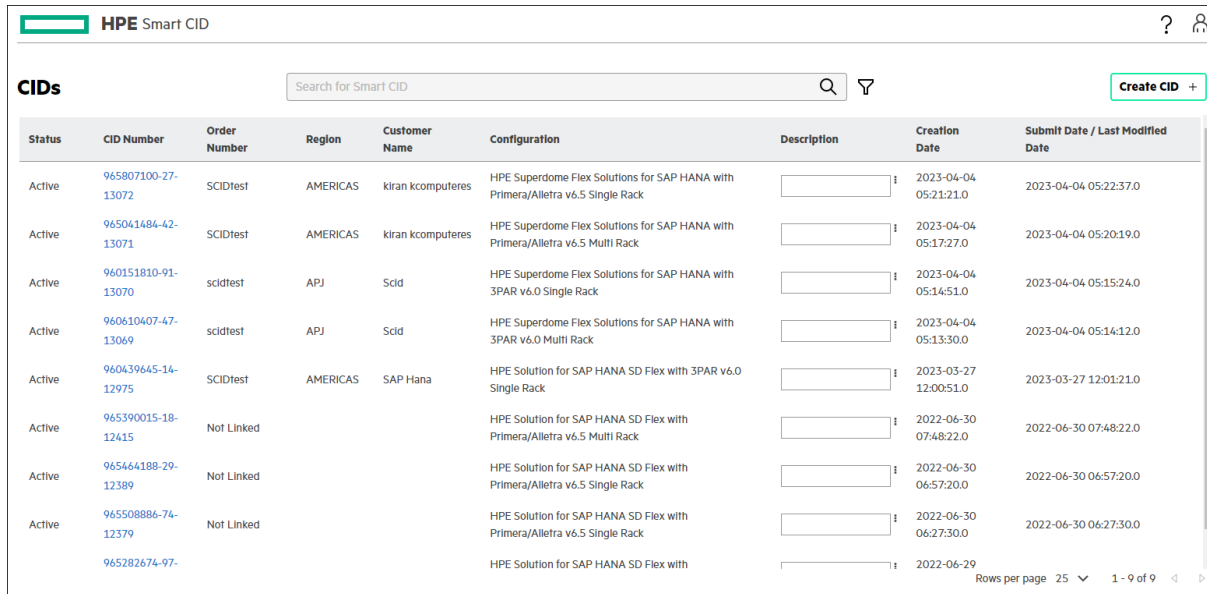| Item	Description
1	**Main CIDs page** - Click this icon to view the CIDs page.
2	**CID Types** - Click this icon to display the CID types. • HPE GreenLake Cloud Services • Enterprise Solutions
3	**Search pane** - Search CIDs using any details the CID number, order number, customer name, and so on.
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. • **Session** - Click this icon to display your login account details and status
5	**Create CID+** - Click this button 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

- Order Number

- Region

- Customer Name

- Configuration

- Description

- Creation Date

- 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.

HPE Smart CID dashboard

HPE Smart CID dashboard enables you to view and edit system and configuration details and the status of each CID in one window.

CID form details

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

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

Viewing and editing CID details

To view the details of any CID and edit the details, 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 (Appliance Details, Customer Info, HPE Contact, Passwords, and so on). When the cursor hovers over a certain section, the Edit icon appears.

3. Click **Edit** to add or edit any information.

Activity, Session, and Help

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

- The **Activity** icon displays the user activity of the specific CID.

- 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

Navigation menu

The navigation menu is accessible when you click the **HPE Smart CID** arrow.

Figure 5. Navigation menu
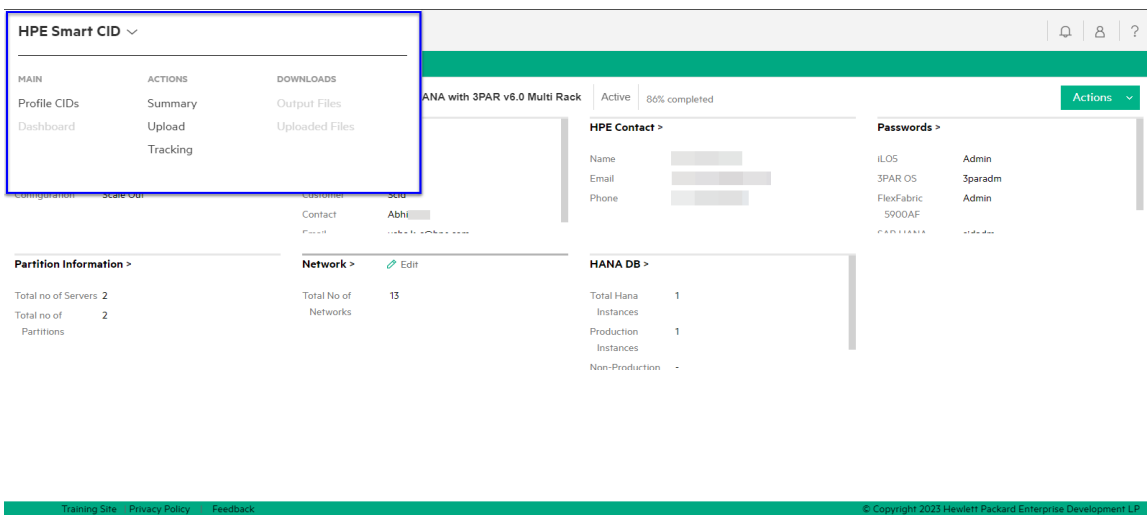
Using the navigation menu, you can perform various functions. The sub-menus are as follows:

- **MAIN**

  – Profile CIDs

  – Dashboard

- **ACTIONS**

  – Summary

  – Upload

  – Tracking

- **DOWNLOADS**

  – Output Files

  – Uploaded Files

Click **Profile CIDs** to direct you to the CID listing page which lists all the CIDs. Click a CID number to view the dashboard of that CID.

Viewing CID summary

To view the detailed summary of any CID, follow these steps:

1. On the **Dashboard** page, click the **HPE Smart CID** arrow to see the options as shown in Figure 5.

2. Select **Summary** under **ACTIONS**.

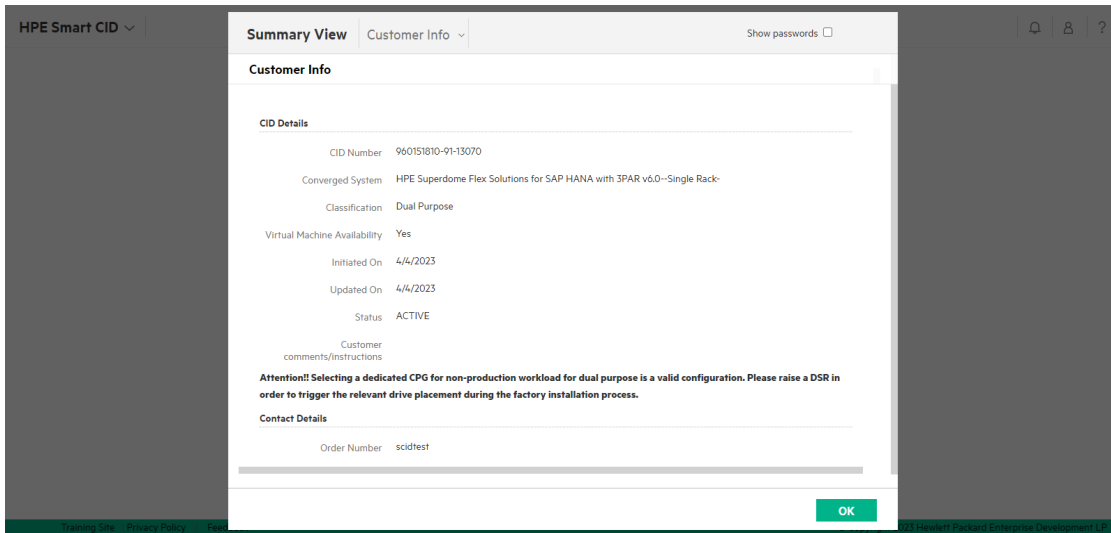3. The **Summary View** window appears which displays data from all the sections of that CID.

Figure 6. Summary View

Uploading files

HPE Smart CID allows you to upload or attach files to a CID. The **Upload** feature is useful when you need 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.

You can use this feature to customize your order.

File Formats

HPE Smart CID allows the following file formats:

- Image files with JPEG and JPG extensions (file_name.jpeg and file_name.jpg)

- 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)

- JSON files (file_name.json)

- YAML files (file_name.yaml)

To upload a file, follow these steps:

1. Click the specific CID number on the CID listing page. The **Dashboard** page appears.

2. Click the **HPE Smart CID** arrow to see the options as shown in Figure 5.

Note

The **Upload** option is only available before you submit a CID.

3. Select **Upload** under **ACTIONS**. The **File Upload** window appears.

4. In the **File Upload** window, click **Browse** to select a file and click **Open**. The files supported are .jpg, jpeg, txt, pdf, doc, docx, xls, xslx, vsd, vsdx, json, and yml. The uploaded files are displayed in the **File Upload** window.
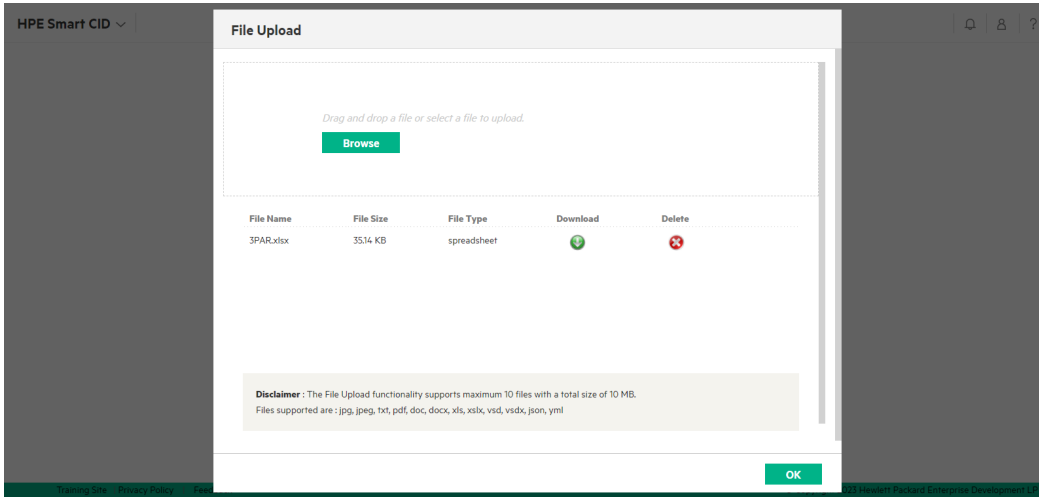

Figure 7. File Upload window

Note

You can upload a maximum of 10 files which are a total size of 10MB.

Downloading an uploaded file

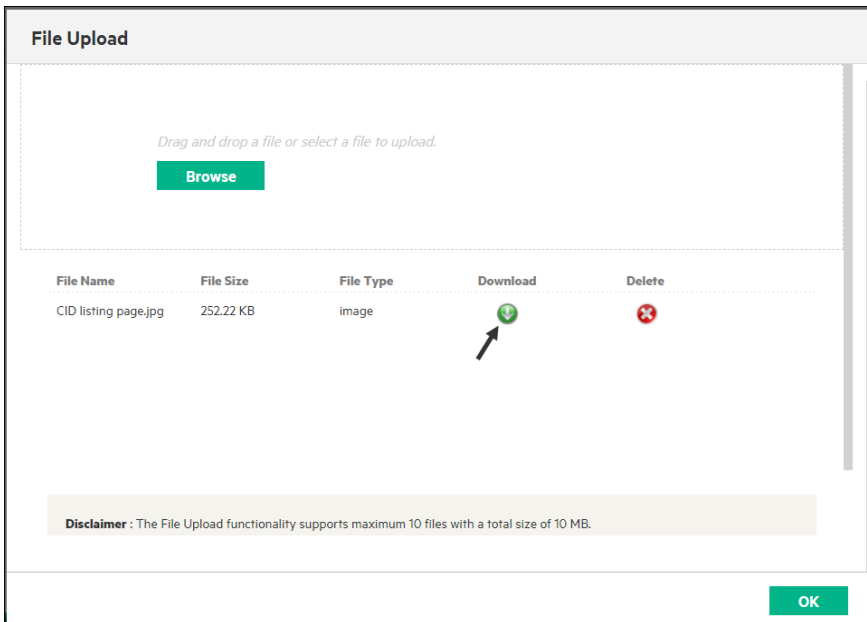To download an uploaded file, click the **Download** icon.

Figure 8. Downloading an uploaded file

Deleting an uploaded file

To delete an uploaded file, click the **Delete** icon.
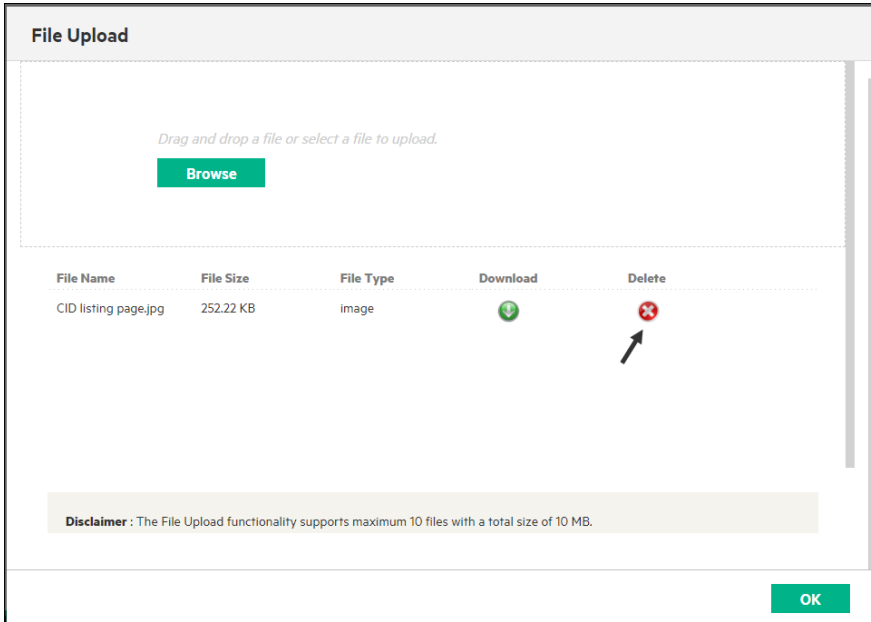
Figure 9. Deleting an uploaded file

Tracking a CID

You can access **Tracking** from the navigation panel.

To track a CID, follow these steps:

1. Click the **HPE Smart CID** arrow to see the options as shown in Figure 5.

2. Select **Tracking** under **ACTIONS**. The **Tracking** window appears.

3. The **Tracking** window displays all the actions performed on the CID from the time it is created until it is archived.

Figure 10. Tracking CIDs

Tracking logs the date and time of actions performed on the CIDs. These include the following information:

- Creating CIDs

- Status changes of CIDs from one stage to another (Active, Submitted)

- Uploading files

- Deleting files

- Generating output files after submitting a CID

- Generating output files after factory personnel submits a CID
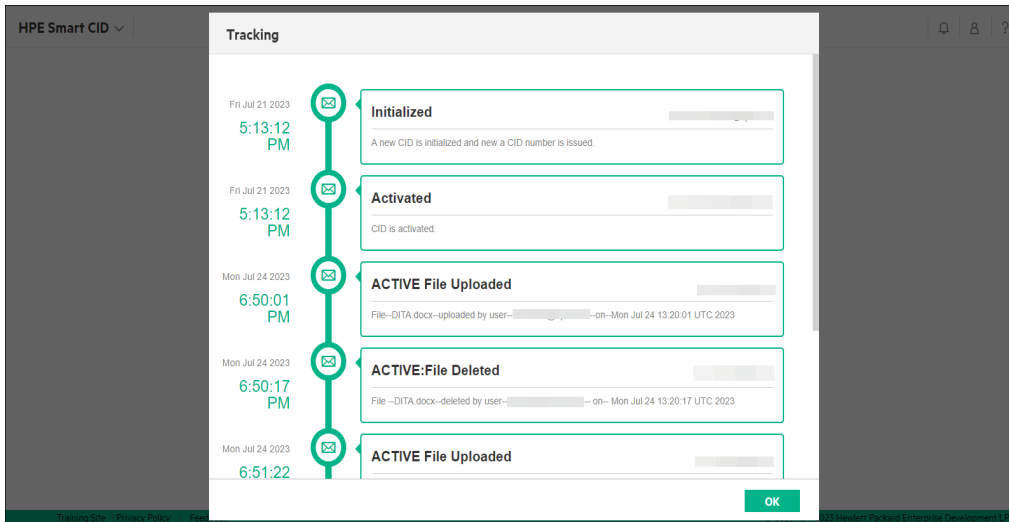
- Archiving CIDs

At every stage listed in the tracking section, HPE Smart CID sends notifications over email to all the email IDs listed in the **Customer Info** and **HPE Contact Info** sections.

Tracking CIDs submitted by other users

By default, you can only view or edit CIDs submitted by you from the dashboard.

You can also view CIDs if your login email ID is any of the following fields:

- HPE Primary Contact

- Pre-Sales Contact

Log in with your email ID and password and search for the CID to view or update its details.

Output files

When a CID is submitted, HPE Smart CID generates JSON, XML, XLS, and ZIP files. You can access any of these files from the **Output Files** under **DOWNLOADS** in the navigation panel.

To access output files, follow these steps:

1. Click the **HPE Smart CID** arrow to see the options as shown in .

2. Select **Output Files** under **DOWNLOADS**.

3. Click the **Download** icon next to the specific file.

4. Click **OK**.

Uploaded files

Factory personnel can view and download the uploaded files by selecting **Uploaded Files** in the navigation panel. This option is enabled for factory personnel only.

To view and download uploaded files, follow these steps:

1. Click the **HPE Smart CID** arrow to see the options as shown in .

2. Select **Uploaded Files** under **DOWNLOADS**.

3. Click the **Download** icon next to the specific file.

4. Click **OK**.

Actions menu

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

- Submit

- Delete

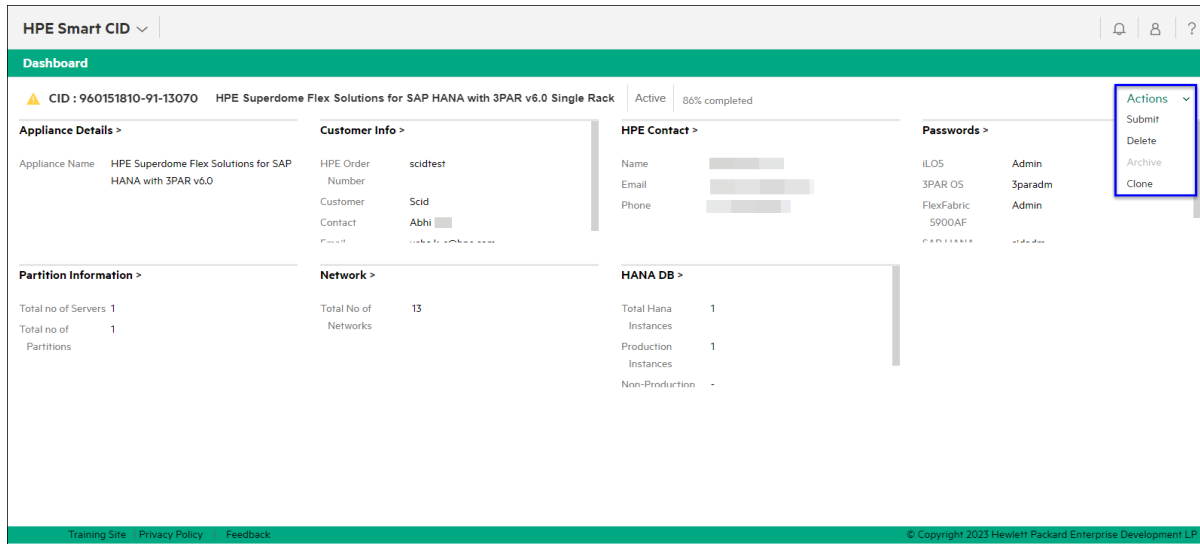- Archive

- Clone

- Submit for Review

Figure 11. Actions menu

Submitting a CID

For submitting a CID, refer to Submitting a CID section in this document.

Deleting a CID

You can delete a CID if the CID is no longer valid.

To delete a CID, follow these steps:

1. Click the specific CID number on the CID listing page. The **Dashboard** page appears.

2. Select **Delete** under the **Actions** menu as shown in Figure 11. The **Delete Confirmation** window appears.

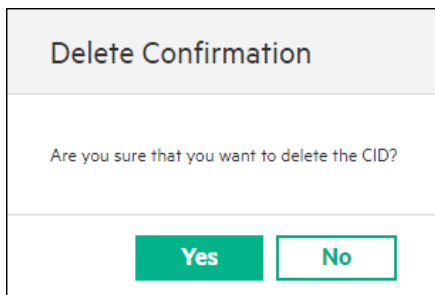3. In the **Delete Confirmation** window, click **Yes** to delete the CID.

Figure 12. Delete Confirmation window

Note

You can only delete the CIDs which are in the **Active** state. You cannot delete the CIDs that are submitted.

Archiving a CID

After a CID is factory-submitted, it can be archived. Archiving a CID moves the CID from the Profile CIDs list to the Archived CIDs list.

To archive a CID, follow these steps:

1. Click the specific CID number on the CID listing page. The **Dashboard** page appears.

2. Select **Archive** under the **Actions** menu as shown in Figure 11.

Note

You can archive a CID only after it is submitted. This option is disabled when the CID status is **Active**.

Cloning a CID

You can clone a CID to copy all the details of an existing CID to a new CID. When cloning, all the details are copied except the following:

• HPE Sales Order Number

• HPE Sales Quote Number

You must enter these details manually into the cloned CID form.

To clone a CID, follow these steps:

1. Click the specific CID number on the CID listing page. The **Dashboard** page appears.

2. Select **Clone** under the **Actions** menu as shown in Figure 11. The **Clone Confirmation** window appears.

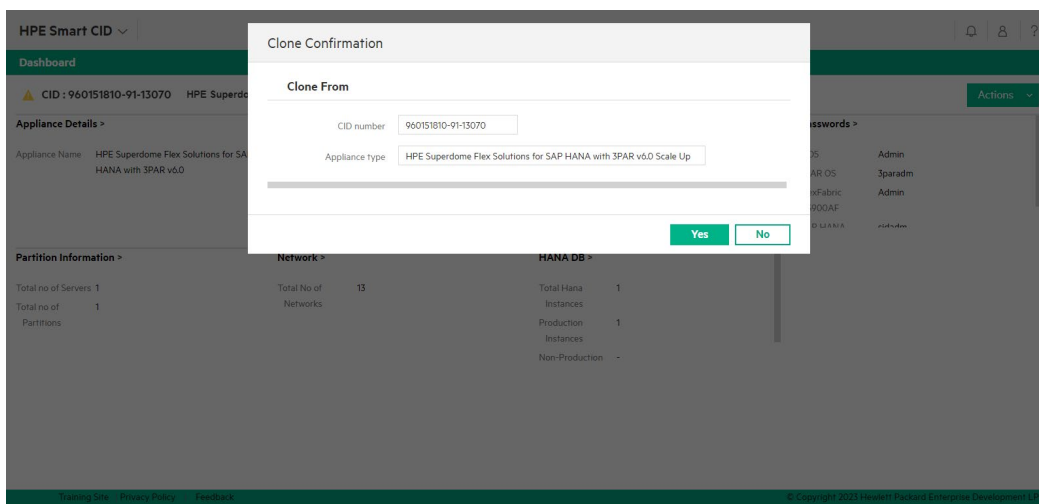3. In the **Clone Confirmation** window, click **Yes** to clone the CID.

Figure 13. Cloned Confirmation window

4. HPE Smart CID creates a new CID with these details and generates a new CID number. The status of the new CID is set to **Active**. You can edit the new CID and submit it.
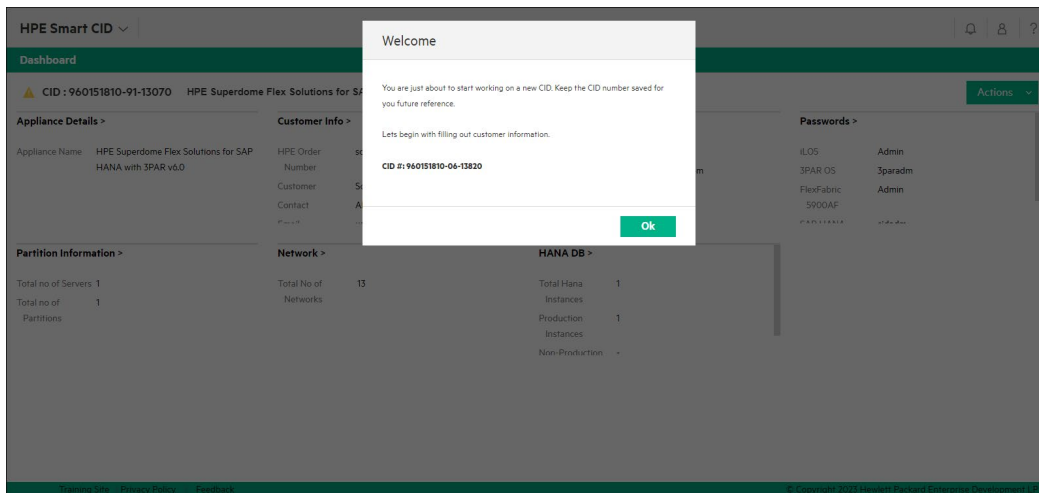

Figure 14. Cloned CID welcome screen

Creating CIDs in HPE Smart CID

The following steps outline the CID creation and submittal briefly.

1. The initiator initiates the CID process or workflow by selecting the ordered system on HPE Smart CID.

2. The initiator then adds one or more contributors to that CID.

3. Contributors add all the required information in all the sections on Smart CID.

4. When all the information is complete and accurate, either the initiator or the contributor submits the CID.

5. HPE Smart CID generates validation files from the submitted CIDs.

6. Factory uses this information to start building the system.

Creating a new CID

To create a new CID, follow these steps:

1. Select **Enterprise Solutions** from the main CID types page as shown in Figure 2. The CID listing page appears.

2. Click **Create CID**.

3. Select **SAP HANA** under **Category**.

4. Select **HPE Superdome Flex Solutions for SAP HANA with 3PAR v6.0** from the **Solution** drop-down list.

5. Select **Single Rack** or **Multi Rack** from the **Choose Classification** drop-down list.

6. Select **Custom CID** from the **Option** drop-down list.

7. 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 15. Creating a new CID

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

Dashboard - HPE Superdome Flex Solutions for SAP HANA with 3PAR v6.0

Click a CID number to view its dashboard. HPE Smart CID dashboard enables you to view and edit system and configuration details and the status of each CID in one window.
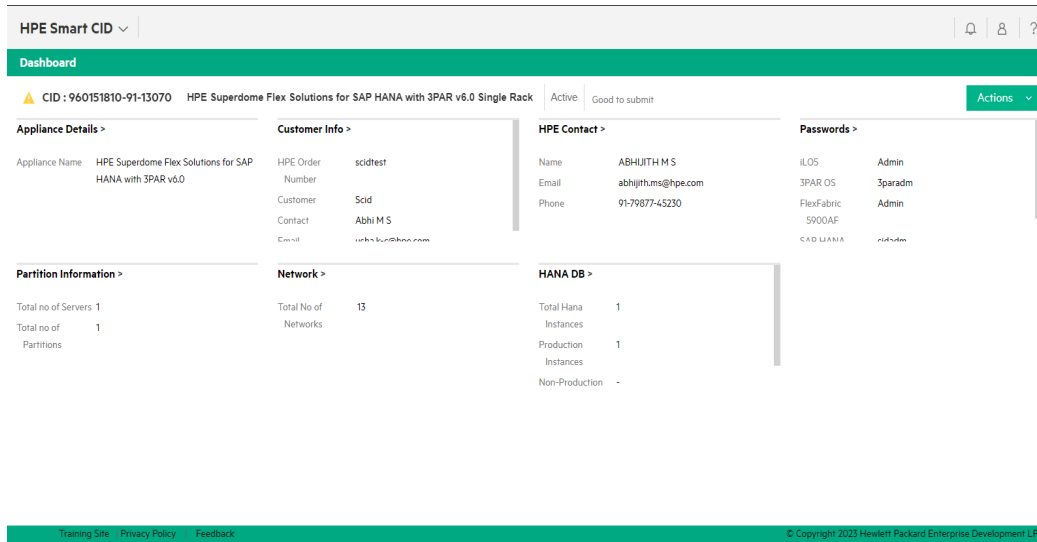
Figure 16. Dashboard - HPE Superdome Flex Solutions for SAP HANA with 3PAR v6.0

The dashboard view gives you the following details:

- CID number, system, status, and current progress of the CID in percentage.

- Appliance details

- Customer Info

- HPE Contact information

- Passwords

- Partition

- Network

- HANA DB

- Action menu with options: **Submit**, **Delete**, **Archive**, **Submit for Review**, and **Clone**

Appliance Details

This section allows you to edit the following appliance details.

- Configuration (Scale Up or Scale Out)

- Classification Mode (Regular or Dual Purpose)

Note

When the user selects **Dual Purpose**, it displays the warning message "Selecting a dedicated CPG for non-production workload for dual purpose is a valid configuration. Please raise a DSR to trigger the relevant drive placement during the factory installation process."

- Number of Rack Groups

- Is HANA Cockpit Server required?

- Rack Selection

Note

By default, all the changes made to the below common fields reflect the respective fields of the **Network** form.

- Common Timezone

- Domain Name

- Default Gateway IP

- NTP Server IP1

- NTP Server IP2

- DNS Server IP1

- DNS Server IP2

Figure 17. Edit Appliance Details window

Note

The default values for Network and HANA DB are generated based on the values you provided on this page.

After saving this form, HPE Smart CID recommends you visit the **HANA DB** and **Network** form to validate the generated values and change them based on requirements.

Customer Info

The **Customer Info** section has information about the customer.

Figure 18. Edit Customer Info window

Before providing customer information, follow these steps:

1. Select the required **Ordered Outcome Level** from the following.

- Only HPE Factory Express Integration;

    – No HPE Rapid Deployment and no HPE COE Service ordered (2)

- HPE Rapid Deployment Service ordered; no HPE COE Service ordered (3)

- Both HPE Rapid Deployment Service and HPE COE Service ordered (4)

2. Do you know the HPE order number to link with this CID? If you have an HPE order number and are required to link with the current CID, click **Yes**.

Note

For submitting the CID, the order number is essential. If you select No, you need to fill in the customer contact information in the form that appears below.

HPE will accept the HPE Brocade FOS EULA on the customer's behalf to install the recommended and tested Brocade FOS version as part of the HPE Factory Express Service for HPE Predefined Configurations for SAP HANA. EULA details can be viewed at: https://docs.broadcom.com/doc/FOS-LicenseKeys-OT.

This checkbox is selected by default for existing, cloned, and new CIDs. If you do not want HPE to accept the HPE Brocade FOS EULA on your behalf, deselect the checkbox.

The next section is the **HPE Order Details**. Enter the following details in this section:

- HPE Order Number

- SFDC Opportunity id

- If this order requires a deal specific request, click **Yes**, and enter **DSR ID**.

Note

SFDC Opportunity ID is a mandatory field. Enter a valid opportunity ID here.

In the **Customer Contact Info** section, enter the following:

Note

The **Customer Contact Info** section appears first when you select **No** (if you do not know the HPE order number.)

- Company name

- Customer contact information (Name, Title/Position, Contact, Company Email, HPE Passport ID, Street Name, Building Details, City, State, ZIP Code, Country, and Region).

If the shipping address is the same as the address in the **Customer Info** section, select **Yes**. If the shipping address is different, select **No** and enter details in the **Customer Shipping Info** section.

In the **Customer Technical Contact** section, enter the following:

- Name (First Name, Last Name)

- Phone number

- Email address

- Title/Position

- Hours of Availability (Optional)

To save the changes, click **OK**.

HPE Contact

The **HPE Contact** section has information about HPE personnel.

This form has information about HPE personnel such as HPE Primary Contact, Pre-Sales Contact, GID Technical Contact, and Deployment Contact. Click **Edit** to enter or update the details in the sections.
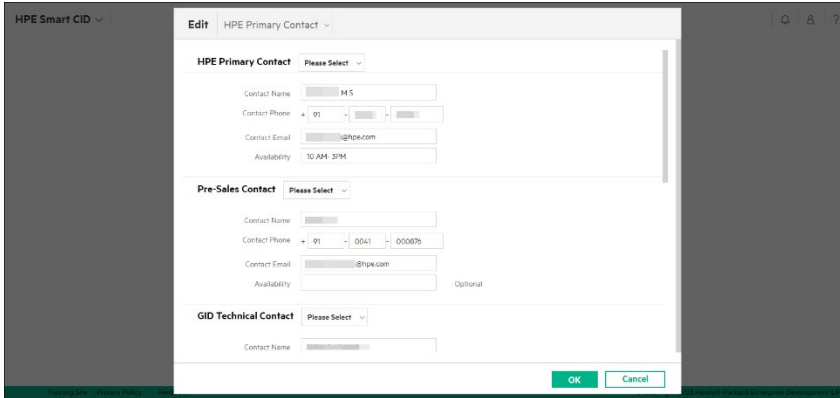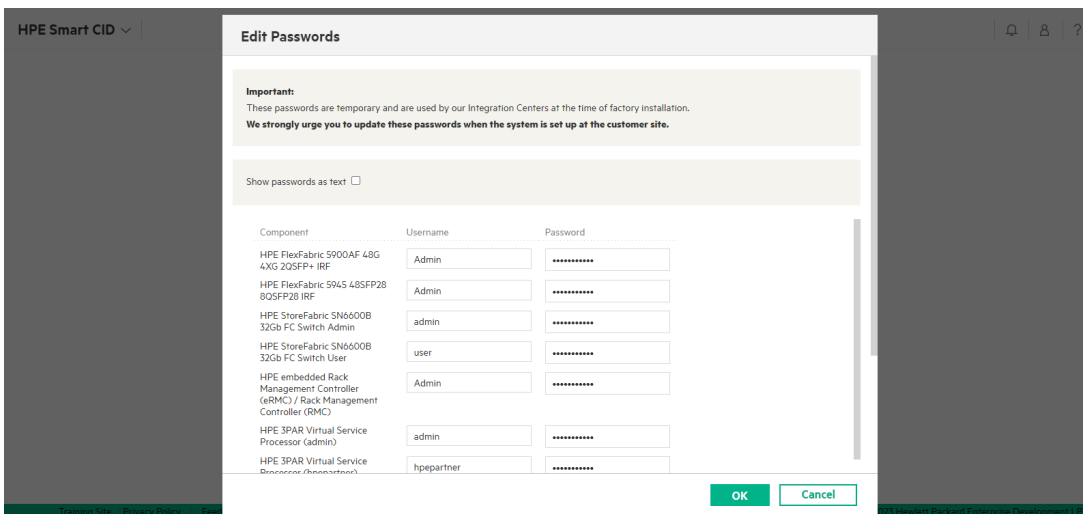

Figure 19. Edit HPE Contact window

To save the changes, click **OK**.

Passwords

The **Passwords** section lists the default usernames and passwords for all the components. Select the **Show passwords as a text** check box to edit the passwords.

Figure 20. Edit Passwords window

All the passwords entered in the **Passwords** form are temporary. HPE Smart CID recommends you update the passwords of all components after setting up the system at the customer site. Once you update all passwords, click **OK**.

Note

Password should not contain special characters.

Partition Information

The **Partition Information** section enables the user to enter the consolidation and partition of racks.
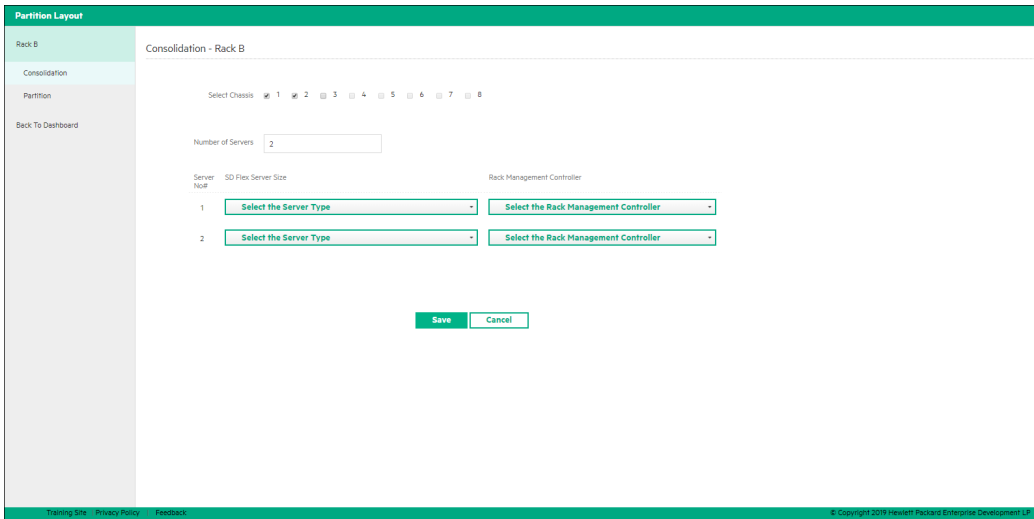
Figure 21. Rack consolidation

To consolidate Rack:

In the **Partition** section, check the box to select the **blade number**.

In the **Partitions Layout** section, follow these steps:

1. Enter the number of chassis. Depending on this value, HPE Smart CID populates the number of partitions.

2. Select the partition from the **Partition No#** drop-down list. HPE Smart CID automatically gives you the combination of chassis and partitions.

3. Select a memory size for each chassis.

> **Note**
>
> Ensure that the number of partitions is always lesser than or equal to the number of blades.

4. Click **Save** to save and close the window.

5. Select the number of chassis.

6. Enter the number of Servers.

> **Note**
>
> The number of Servers cannot be more than Chassis selected in Step 1.

7. Select the **SD Flex Server Size** and **Rack Management Controller**.

> **Note**
>
> If you select more than two chassis, by default you select RMC from **the Rack Management Controller** menu. If you select less than or equal to two (2) chassis, by default you select eRMC from the **Rack Management Controller** menu.

> **Note**
>
> Select the **SD Flex Servers** based on the number of Servers selected in Step 6.

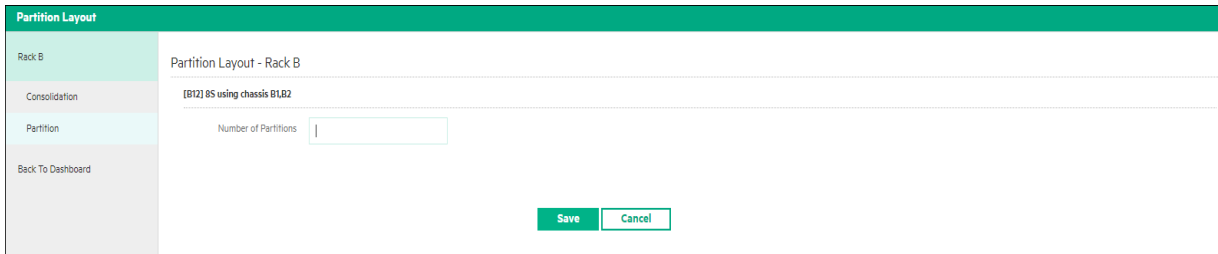8. Click **Save**. A **Partition** tab appears.

Figure 22. Partition tab

To define partition:

1. Enter the number of partitions.

2. Click **Save**. The partitions are displayed based on the number entered in Step 1.

3. Select the required **Partition Type** and **Memory Size**.
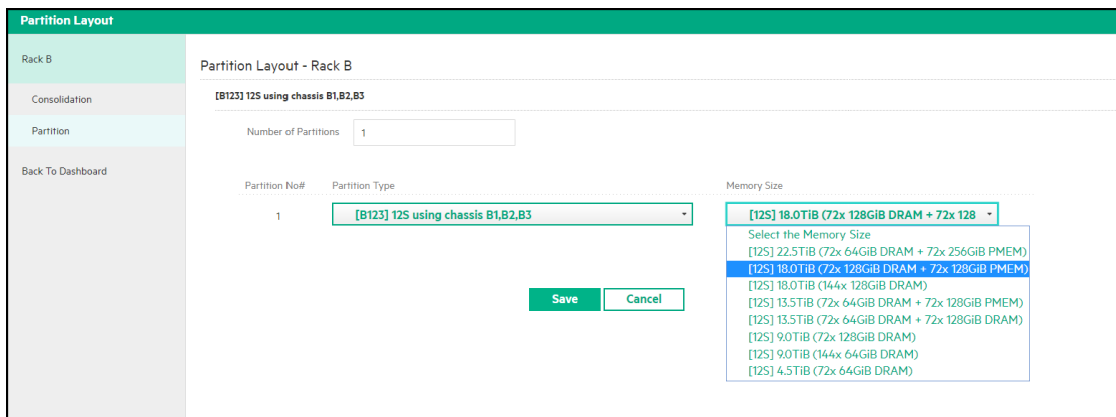
Figure 23. Partition Information

4. To save the changes, click **Save**.

Note

If you select DRAM and PMM in the **Partition Information** section, the PMM details appear under the **HANA DB > Instance List** form.

Network

The **Network** section allows you to enter and edit network configuration and settings for your system. Following are the sections in network settings that need to be configured:

• Network List

• Common Information

• Device Configuration

• Rack List

Network List

This tab displays the complete network list based on the appliance details. This list comprises network details as per the values entered in the **Partitions** section.

Figure 24. Network List tab

This tab provides the following details for each network.
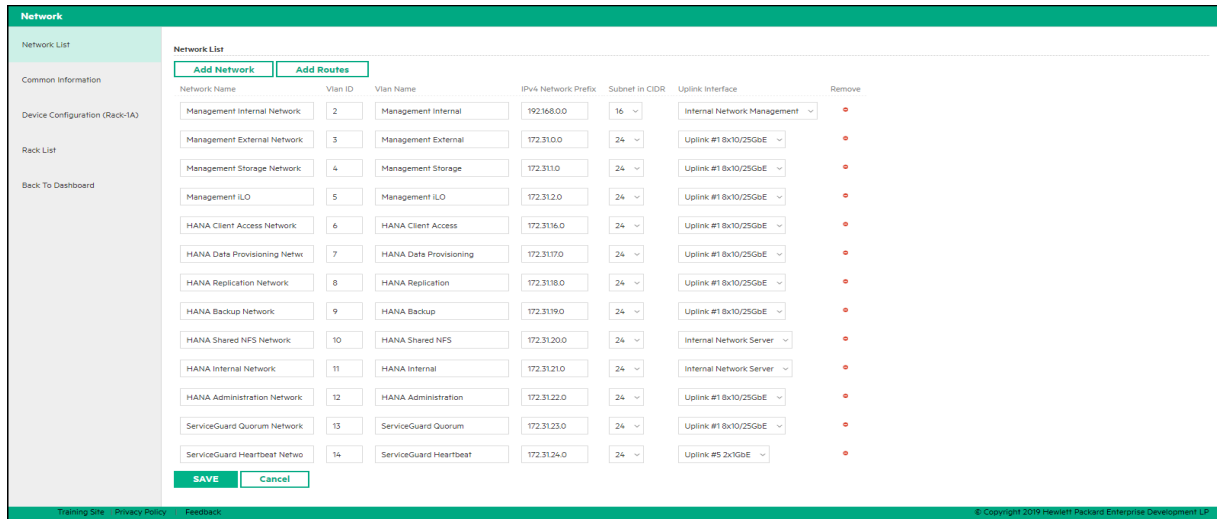
- Vlan ID

- Vlan Name

- IPv4 Network Prefix

- Subnet in CIDR

- Uplink Interface

Note

To remove a network from the list, click the **Remove** icon.

Adding a network

The **Add Network** option allows you to add networks manually as per requirement.

To add a new network:

1. Click **Add Network**. This adds a new empty row below the existing network list.

2. Enter the details and click **Save**.

Note

You can add a maximum of 18 networks to the solution.

Adding Routes

The **Add Routes** button allows you to add additional route details for selected networks.

To add a new route:

1. Click **Add Route**. A list of static routes connected in the solution is displayed.

2. To add a new route for the required network, click specific **Add New Route**.

3. Enter the details and then click **OK**.

Common Information

In the **Common Information** tab, enter the following.

1. In the **FlexFabric 5900AF 48G 4XG 2QSFP+ IRF L1L2** tab, enter the following details:

   • Timezone Name

   • Timezone

   • Optional fields: Daylight Saving Time (DST), Default Gateway IP, NTP Server IP1, IP2, DNS Server IP1 & IP2

   After entering the details, click **Save**.

2. In the **FlexFabric 5945 48SFP28 8QSFP28 IRF** tab, enter the following details.

   • VLAN ID for Device Management Port

   • Timezone Name

   • Timezone

   • Optional Fields: Daylight Saving Time (DST), Domain Name, Default Gateway IP, NTP Server IP1, & IP2, DNS Server IP1 & IP2

   After entering the details, click **Save**.

Note

If you select more than two rack groups in **Appliance Details**, **HPE FlexFabric 5945 32QSFP28 IRF switch** is added to Rack Group 3. Enter the details in the respective fields.

---

3. In the **HPE StoreFabric SN6600B 32Gb FC Switch** tab, enter the following details.

   • VLAN ID for Device Management Port

   • Timezone Name

   • Timezone

   • Optional Fields: Domain Name, Default Gateway IP, NTP Server IP1, & IP2, DNS Server IP1 & IP2

   After entering the details, click **Save**.

Note

If you select more than 2 rack groups in **Appliance Details**, **HPE StoreFabric SN6600B 32Gb FC Switch** is added to Rack Group 3.

---

4. In the **HPE ProLiant DL360 Gen10 8SFF NC** tab, enter the following details.

   • VLAN ID for iLO Management Port

   • Timezone

   • Optional Fields: Domain Name, Default Gateway IP, DNS Server IP1 & IP2

5. In the **HPE 3PAR StoreServ 8000 Storage** tab, enter the following details.

   • 3PAR Storage

   • Virtual Service Processor

   – Installation Site Contacts

   – Support Site Contacts

   • Operating System

   • Store Server Management Console

   After entering the details, click **Save**.

6. In the **HPE Superdome Flex Serve**r tab, enter the following in **HPE embedded Rack Management Controller (eRMC) / Rack Management Controller (RMC)** details.

- VLAN ID

- Timezone

- Optional Fields: Domain Name, Default Gateway IP, NTP Server IP, DNS Server IP1 & IP2

   After entering the details, click **Save**.

7.   In the **Operating Systems** tab, enter the following information.

- **Linux Operation System**

   – Linux Distribution: The options available are RHEL 7.7, SLES 12 SP5, and SLES 15 SP1

   – Timezone

   – Optional Fields: Domain Name, Default Gateway IP, NTP Server IP1, NTP Server IP2, DNS Server IP1, and DNS Server IP2

- **Windows Server operating system:**

   – VLAN ID for Device Management Port

   – Timezone

   – Optional Fields: Primary DNS Suffix, Server Info Selection, IP Address or FQDN, Port Number, Domain Name, Default Gateway IP, NTP Server IP1, NTP Server IP2, DNS Server IP1, and DNS Server IP2

   After entering the details, click **Save**.

Device Configuration

This tab enables the user to specify the rack configuration based on the order questionnaire.

- FlexFabric 5900AF 48G 4XG 2QSFP+ IRF L1L2

- FlexFabric 5945 48SFP28 8QSFP28 IRF L3L4

- SN6600B Fibre Channel Switch

- ProLiant DL360 Gen10 8SFF (HCS)

- ProLiant DL360 Gen10 8SFF (CMS)

- 3PAR StoreServ 8400 4N A1

- 3PAR StoreServ 8200 2N A4

Note

If you select Rack C in **Appliance Details**, **3PAR StoreServ 8400 4N A2** is added to the device configuration list.

If you select **Dual Purpose** classification in **Appliance Details**, **3PAR StoreServ 8400 4N A3** is added to the device configuration list. By default, A4 Rack Group is configured on Rack Group 1.

Rack List

This tab enables the user to specify the configuration of the selected rack based on racks selected in the order.
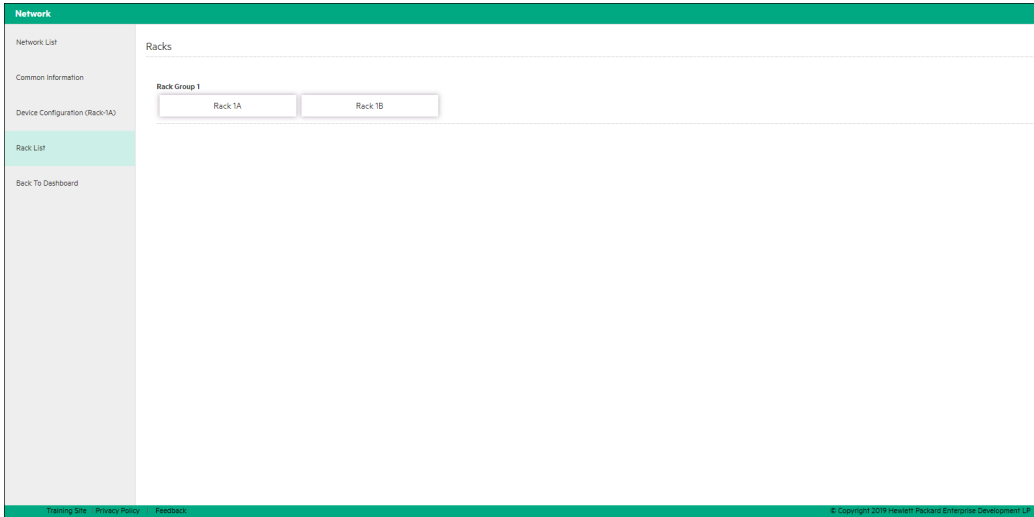
Figure 25. Rack List tab

To configure rack details, click **Rack #**. The **Device Configuration** tab of a specific rack is displayed.

HANA DB

This section allows you to specify the SAP HANA database configuration information for the chassis selected in the partition. This SAP HANA database configuration information is collected from the following tabs.

- Common
- Instance List

Common

This tab allows you to enter the following details.

- SAP_SYS Group ID
- SAP_ADM User ID
- SAP_ADM Password
- VLAN ID of External Network
- VLAN ID of Internal Network

After entering the details, click **Save**.

Instance List

The **Instance List** tab displays the HANA database instances list based on your inputs.

Figure 26. HANA DB instances list

To modify the HANA DB instance, click the required **DB** under the **SAP System ID** column.

Note

For production instances (System usage), the default LUN provisioning is THICK provisioning (pre-allocating capacity).

To add a new instance:

1. Click **ADD DB**. A new DB form appears and enter the following details.

    - Instance Type

    - Support Package Stack

    - Storage

    - System Usage

    - Instance Number

    - Use all memory

    - Restrict Max Memory(in GiB)

    - Use all persistent memory

    - Restrict Max Persistent Memory (in GiB)

    - System ID (SID)

    - SID Group ID

    - SID_ADM User ID

    - SID_ADM Password

    - Volume Provisioning

    - System Password

    - Virtual File Server Index

    - Workload

    - Create Initial Tenant

2. In the **SAP HANA server-side data encryption** section, enter the following details.

    - Root key backup password

    - Enable Data Volume Encryption

    - Enable Log Volume Encryption

3. You can also add SAP HANA Components to the existing SAP HANA database instance. The following is a list of components that can be added:

    - Client

    - Studio

The **Client** component is installed by default.

You can also replicate SAP HANA components to the existing SAP HANA database instance.

Figure 27. HANA DB - Instance List tab

After entering details, click **Save**.

Note

If you select **DRAM** and **PMM** in the **Partition Information** section, the PMM details appear under the **HANA DB > Instance List** form.

Submitting a CID

After all the system and configuration details are entered, the CID is ready for:

- Submit for Review

- Customer submit

- Factory submit

You can submit a CID for review if your region has the **Submit for Review** option enabled under the **Actions** menu.

Submit for Review

To submit a CID for review, click **Actions** and select **Submit for Review**. The CID is submitted to a panel of experts who review the data entered in the CID for correctness and completeness.

Submitting a CID for review

Note

The **Submit for Review** feature is available only for EMEA region users.

Review process

When a CID is submitted for review, an email is sent to the reviewer with the CID details. Once the CID is in review, it is locked for review

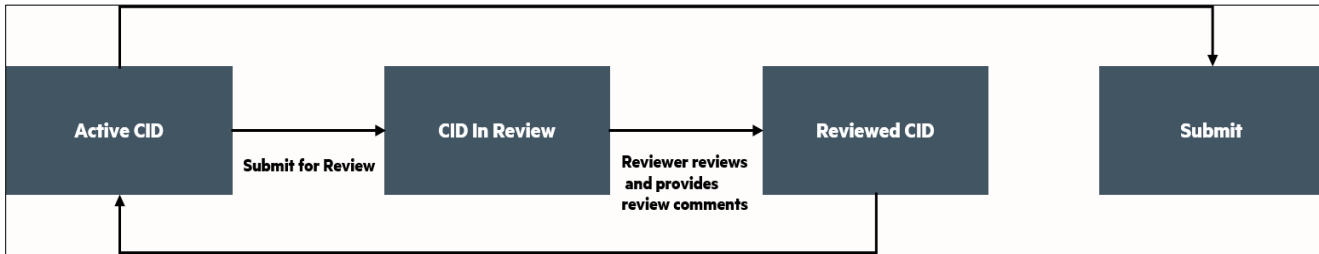The following figure gives a summary of the **Submit for Review** process workflow.

Figure 28. Submit for Review process workflow

The following scenarios can occur when a CID is in the review stage:

- If the CID details entered require a change, the reviewer enters comments in the **Reviewer Comments** section and clicks **Reject**. The reviewer then sends it back to the creator of the CID.
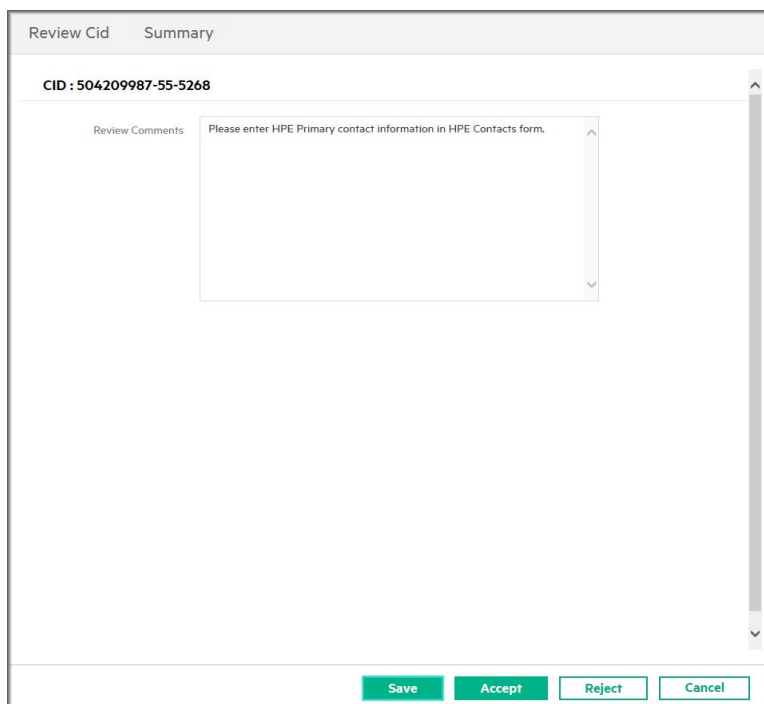

Figure 29. Review comments

- The creator makes the required changes and resends the CID to the reviewer for review. Once the reviewer accepts the changes submitted by the creator, the CID can be submitted.

- If the CID requires no further changes, the reviewer clicks **Accept** and the CID changes to the **Reviewed** state. An email notification is sent to the creator.

Note

If a reviewer rejects a CID, entering comments stating the reason for rejection in the **Reviewer Comments** section is mandatory.

- Once the CID is reviewed and ready for submitting, click **Actions** and select **Submit**.

For more information, see the Final CID Submit section below.

Final CID submit

Customer submit

CID submitting by a customer is the final submit 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.

To submit a CID, follow these steps:

1. Click **Actions > Submit** from the CID dashboard. If the information you have provided in the CID is complete the CID is submitted.
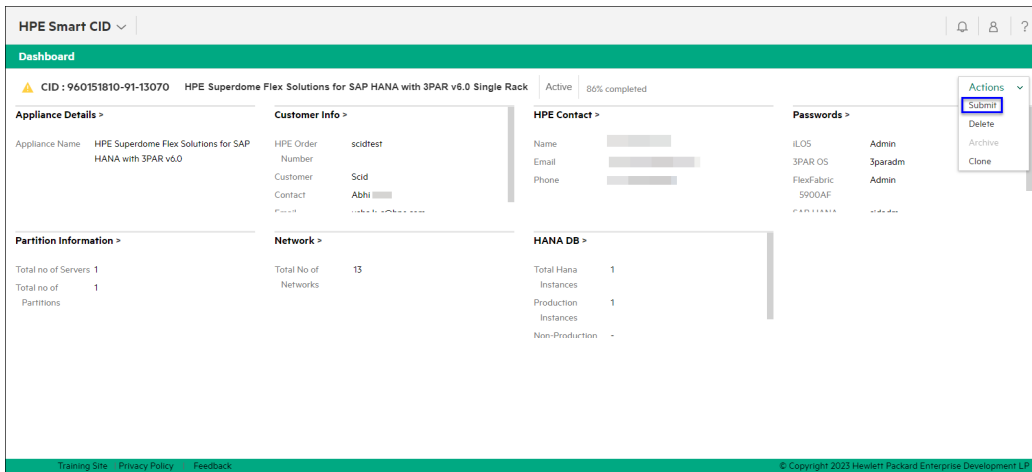

Figure 30. Submitting a CID

2. If the information is incomplete, a CID Status notification window appears displaying in which form the information needs to be corrected or completed.
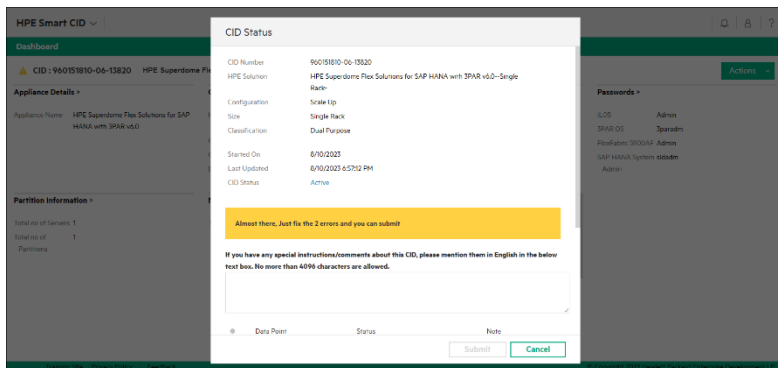

Figure 31. Notification of incomplete sections when submitting a CID

3. Enter all the missing information and click **Actions > Submit** to submit the CID. The status of the CID changes from **Active** to **Customer Submitted**. The CID is now locked for changes and is now ready for the Integration Center personnel to start filling in the factory settings details.

Factory submit

Users with factory access can submit the CID when the CID is in the **Customer Submitted** stage.

To submit a CID, click **Actions > Factory Submit** from the CID dashboard.
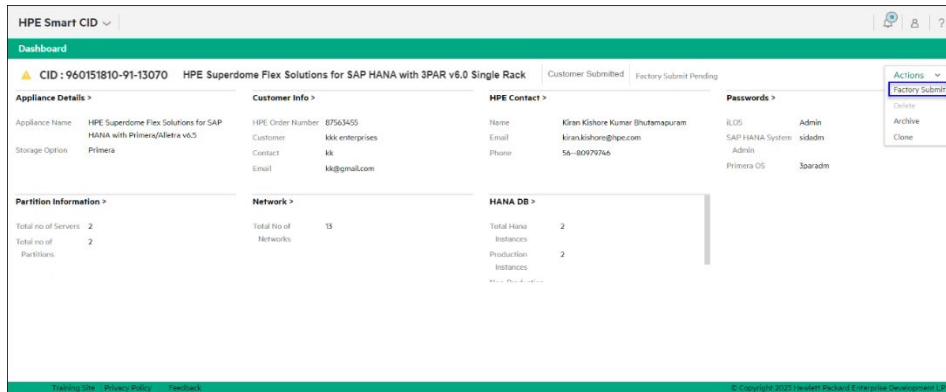
Figure 32. Factory submitted CID

The status of the CID changes from **Customer Submitted** to **Factory Submitted**.

Reopening submitted CIDs

When a CID is submitted, it is locked for editing. No changes can be made at this stage. If the CID needs additional changes or updates, the CID needs to be reopened. To reopen a CID, click **Actions > Reopen** from the CID dashboard.

Note

The reopen feature is available only to users with special administrator privileges. Send an email to smart-cid-admin@hpe.com for administrator privileges.

For field services, the **Actions > CID Reopen** access for all the CID creators is enabled.

To view CID details after submission, refer to the Viewing CID summary section.

To download the CID details in HTML format, or to download other output files, refer to the Output files section.

To archive a CID, refer to the Archiving a CID section.

To track a submitted CID, refer to the Tracking a CID section.

HPE Smart CID support

We welcome your feedback. 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 in resolving the issue.

HPE Smart CID documentation

Hewlett Packard Enterprise 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

HPE GreenLake SAP HANA Documentation
www.hpe.com/support/HPE-GreenLake-SAP-S4-HANA-PE-CDC-Docs

Log in to the HPE Support Center as an HPE Employee to view the internal documents.

HPE Servers
hpe.com/servers

HPE Storage
hpe.com/storage

HPE Networking
hpe.com/networking

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

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