

# **HPE Smart CID 8.6.1 user guide**

HPE Superdome Flex 280 Solutions for SAP HANA (CPX) Scale Up

**Abstract:** This document supports the following HPE GreenLake solution.

- HPE Superdome Flex 280 Solutions for SAP HANA (CPX) Scale Up

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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 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 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

## **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 are normally 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-in (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.

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#### 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 HPE IAM Next-Generation Single-Sign On and authentication platform.

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### 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 (MLOps) on the HPE container Platform, SAP HANA, and so on.





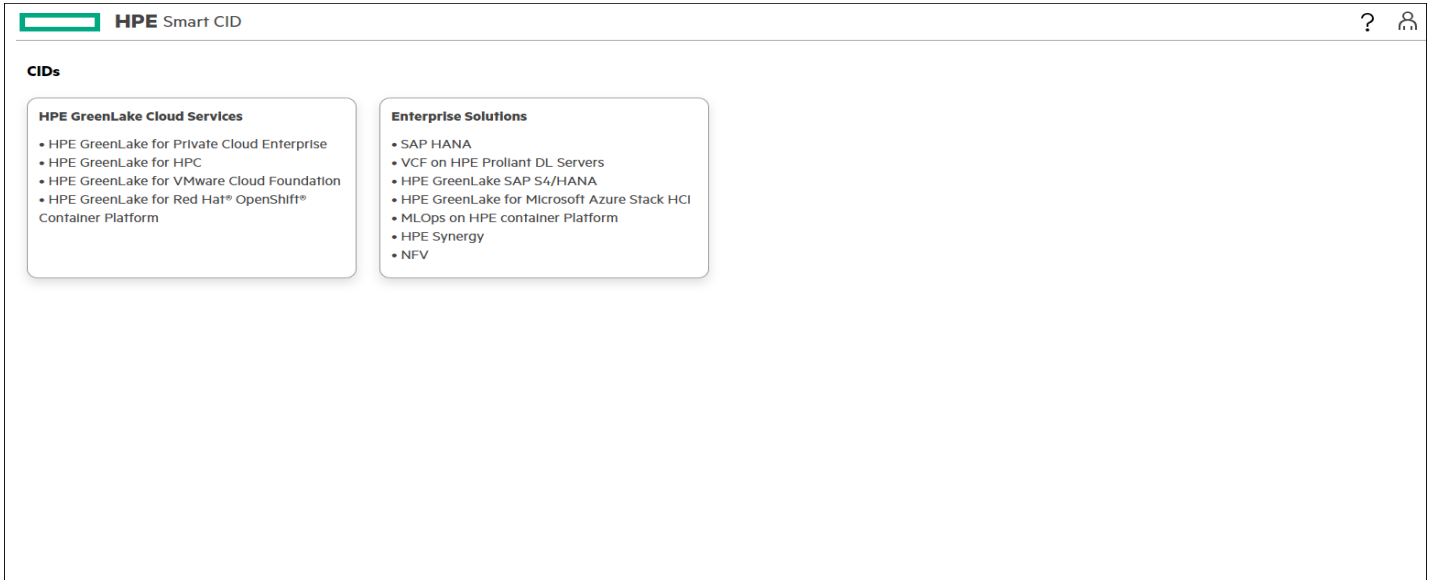


Figure 2. CID types

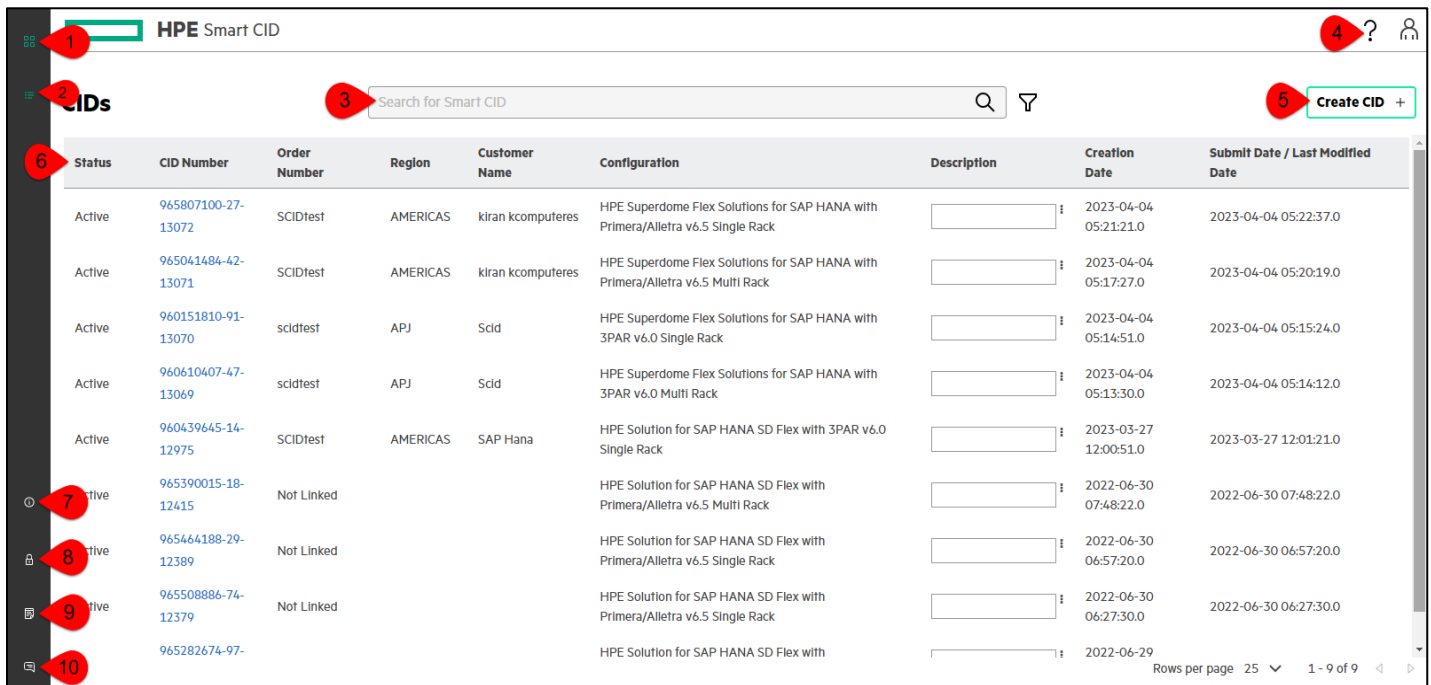


Figure 3. HPE Smart CID interface

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

Table 1. HPE Smart CID interface

Item	Description
1	<b>Main CIDs page</b> - Click this icon to view the CIDs page.
2	<b>CID Types</b> - Click this icon to display the CID types. <ul style="list-style-type: none"> <li>HPE GreenLake Cloud Services</li> </ul>



Item	Description
	<ul style="list-style-type: none"><li>Enterprise Solutions</li></ul>
3	<b>Search pane</b> - Search CIDs using any details the CID number, order number, customer name, and so on.
4	<b>Help, Session</b> - The icons on the top right of the page stand for the following: <ul style="list-style-type: none"><li><b>Help</b> - Click this icon to take you to the online help page.</li><li><b>Session</b> - Click this icon to display your login account details and status</li></ul>
5	<b>Create CID+</b> - Click this to create a new CID.
6	<b>Entries</b> - 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	<b>Version</b> - Click this icon to view the following details: <ul style="list-style-type: none"><li>HPE Smart CID version</li><li>Build number</li><li>Build date</li></ul>
8	<b>Privacy policy</b> - Click this icon to redirect you to the <b>HPE Privacy Statement</b> page.
9	<b>Release Notes</b> - Click this icon to view the latest HPE Smart CID Release Notes.
10	<b>Email</b> - Click this icon to redirect you to the HPE Smart CID Email support.

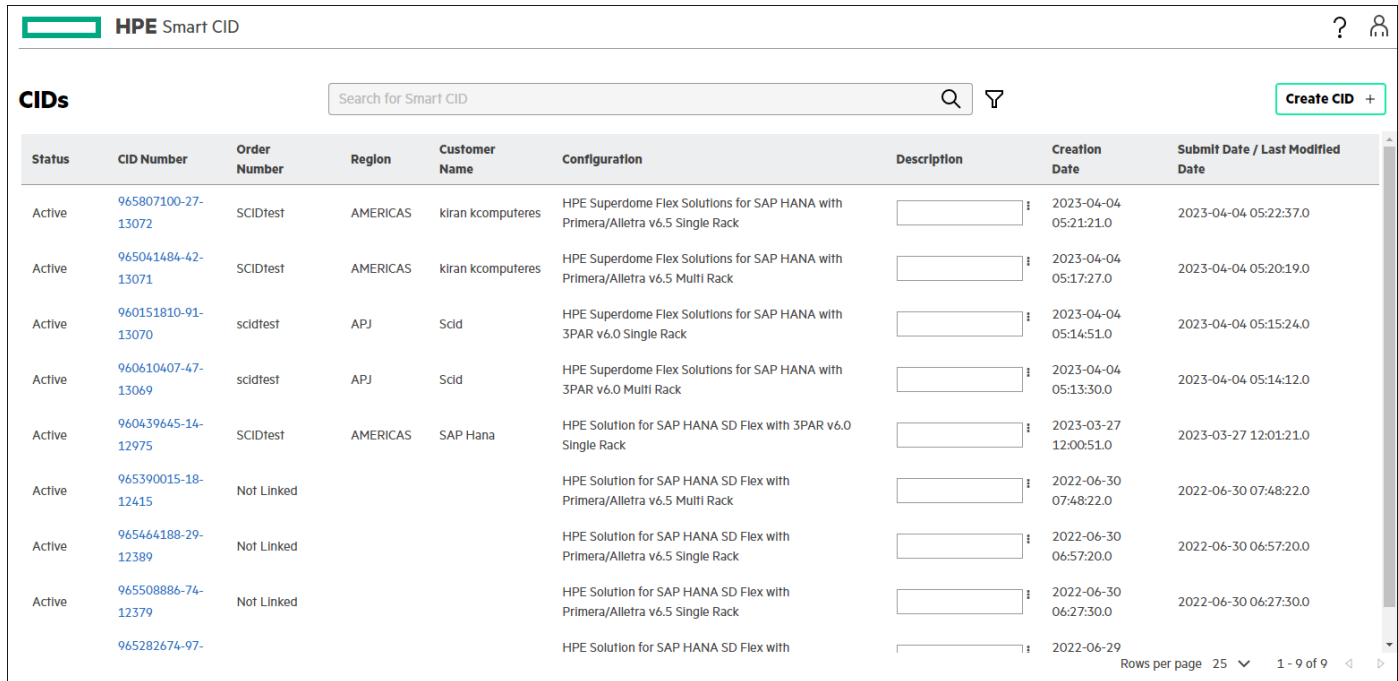
### CID listing page

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 but not pre-defined.





Status	CID Number	Order Number	Region	Customer Name	Configuration	Description	Creation Date	Submit Date / Last Modified Date
Active	965807100-27-13072	SCIDtest	AMERICAS	kiran kcomputeres	HPE Superdome Flex Solutions for SAP HANA with Primera/Alletra v6.5 Single Rack		2023-04-04 05:21:21.0	2023-04-04 05:22:37.0
Active	965041484-42-13071	SCIDtest	AMERICAS	kiran kcomputeres	HPE Superdome Flex Solutions for SAP HANA with Primera/Alletra v6.5 Multi Rack		2023-04-04 05:17:27.0	2023-04-04 05:20:19.0
Active	960151810-91-13070	scidtest	APJ	Scid	HPE Superdome Flex Solutions for SAP HANA with 3PAR v6.0 Single Rack		2023-04-04 05:14:51.0	2023-04-04 05:15:24.0
Active	960610407-47-13069	scidtest	APJ	Scid	HPE Superdome Flex Solutions for SAP HANA with 3PAR v6.0 Multi Rack		2023-04-04 05:13:30.0	2023-04-04 05:14:12.0
Active	960439645-14-12975	SCIDtest	AMERICAS	SAP Hana	HPE Solution for SAP HANA SD Flex with 3PAR v6.0 Single Rack		2023-03-27 12:00:51.0	2023-03-27 12:01:21.0
Active	965390015-18-12415	Not Linked			HPE Solution for SAP HANA SD Flex with Primera/Alletra v6.5 Multi Rack		2022-06-30 07:48:22.0	2022-06-30 07:48:22.0
Active	965444188-29-12389	Not Linked			HPE Solution for SAP HANA SD Flex with Primera/Alletra v6.5 Single Rack		2022-06-30 06:57:20.0	2022-06-30 06:57:20.0
Active	965508886-74-12379	Not Linked			HPE Solution for SAP HANA SD Flex with Primera/Alletra v6.5 Single Rack		2022-06-30 06:27:30.0	2022-06-30 06:27:30.0
	965282674-97-				HPE Solution for SAP HANA SD Flex with		2022-06-29	

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 displayed in that 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.



- Click the section title (Configuration Details, Customer Info, HPE Contact, Passwords, and so on). When the cursor hovers over a certain section, the **Edit** icon appears.
- Click **Edit** to add or edit any information.

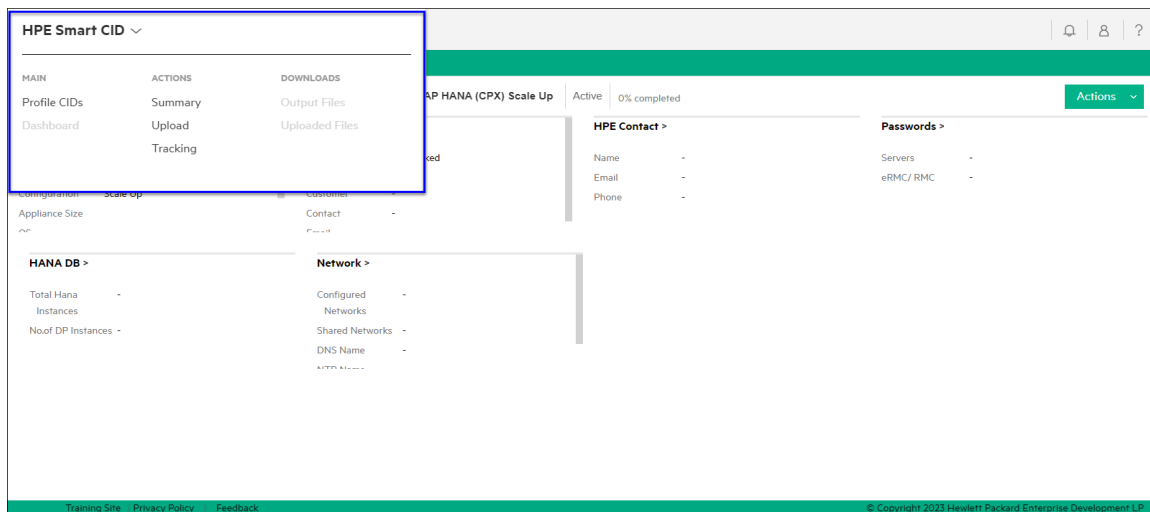
### Activity, Session, and Help

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



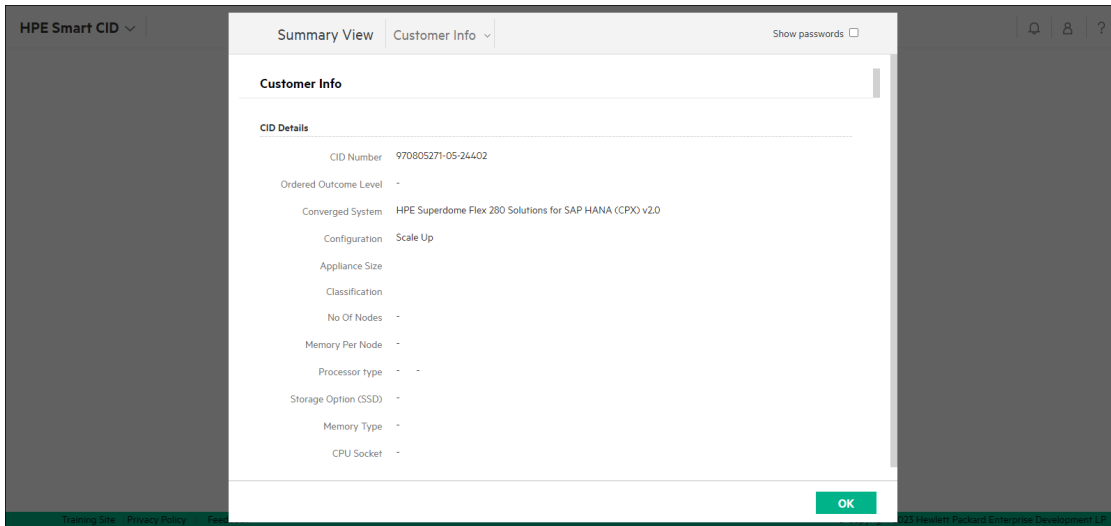
- Uploaded Files

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](#).



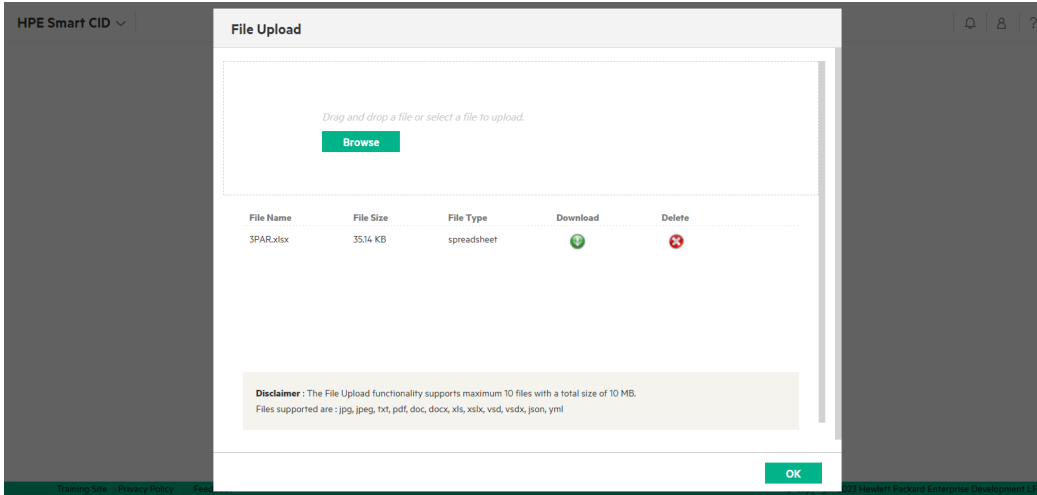
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**Note**

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

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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, xlsx, vsd, vsdx, json, and yaml. The uploaded files are displayed in the **File Upload** window.



**Figure 7.** File Upload window

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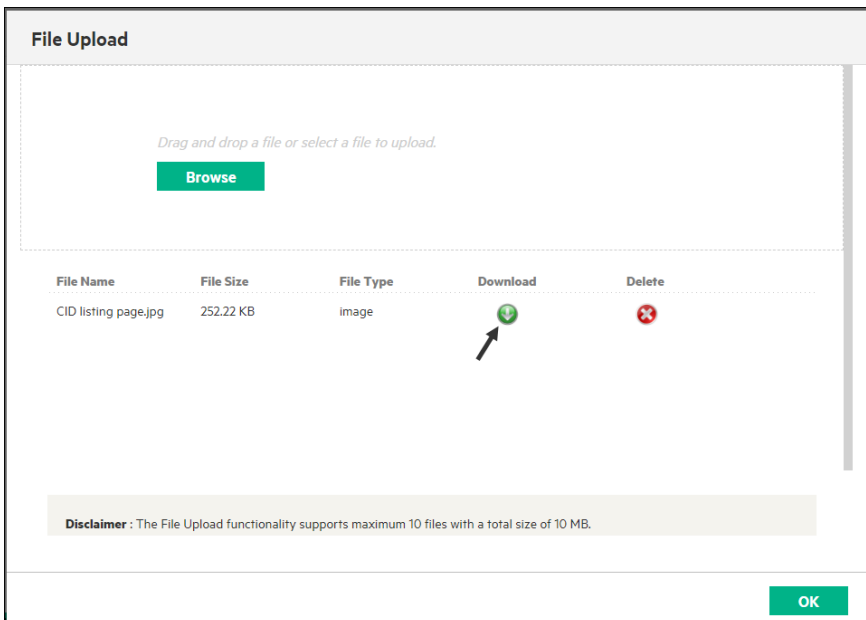
**Note**

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

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**Downloading an uploaded file**

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

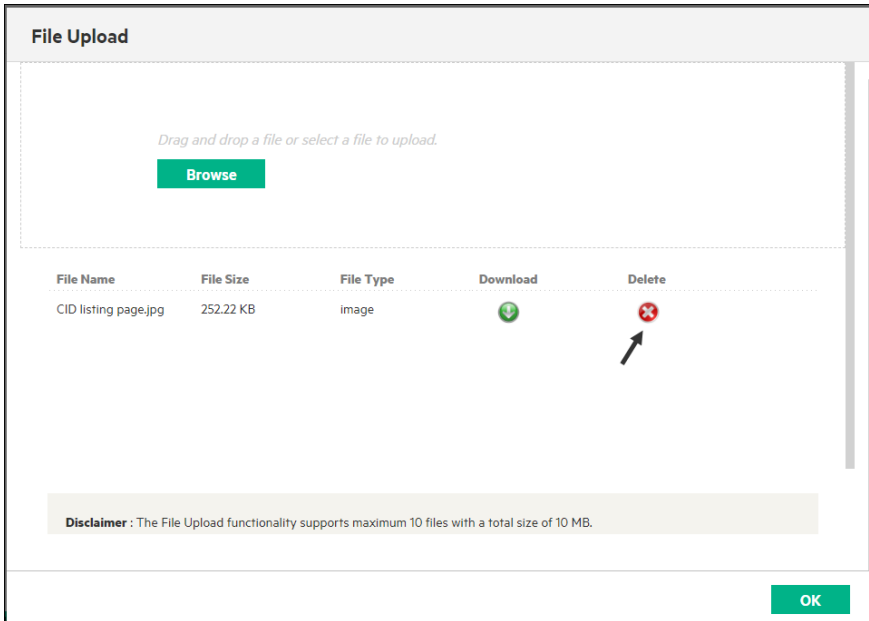


**Figure 8.** Downloading an uploaded file



### Deleting an uploaded file

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



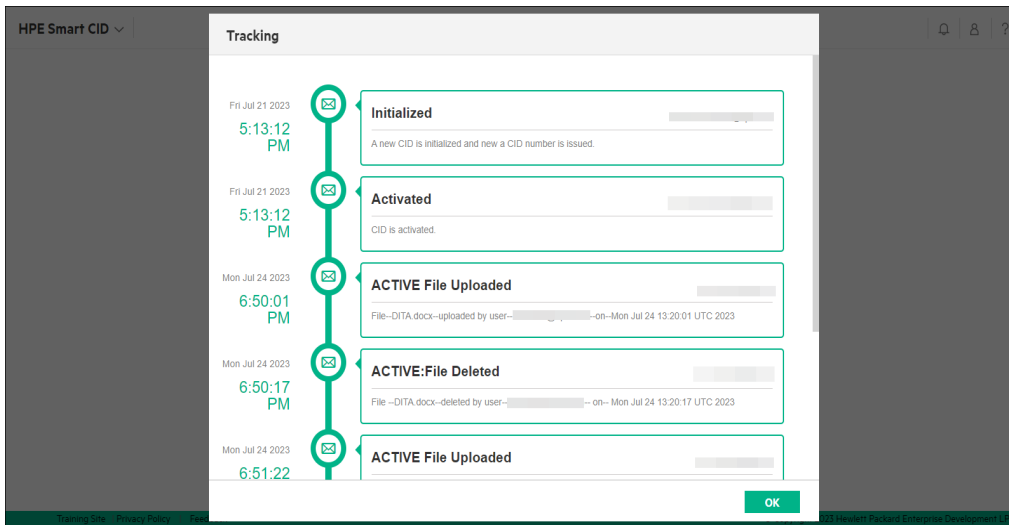
**Figure 9.** Deleting an uploaded file

### 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 [Figure 5](#).
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 [Figure 5](#).
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





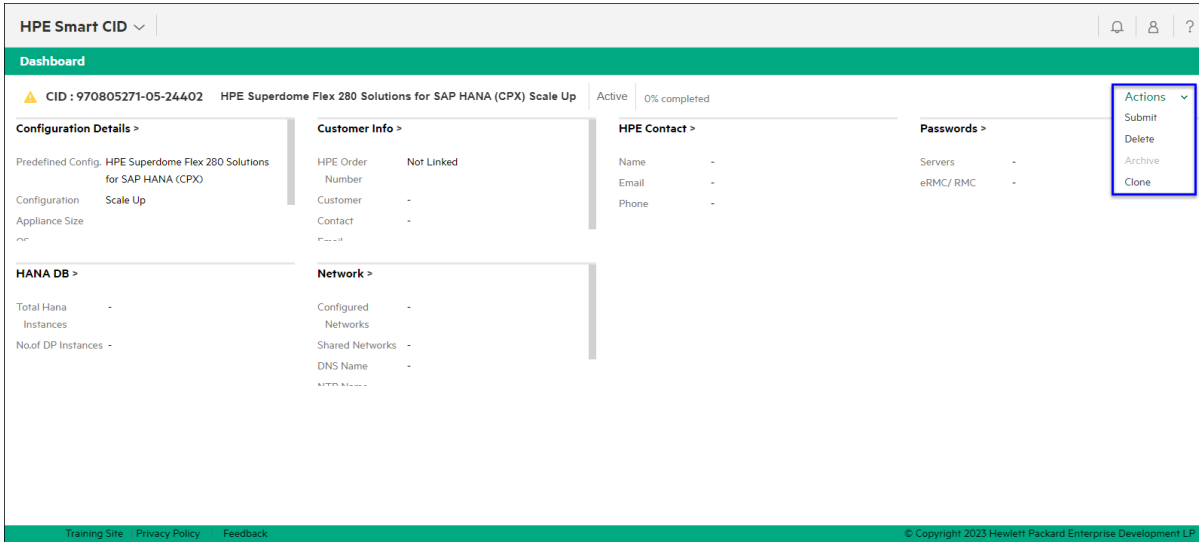


Figure 11. Actions menu

### 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.

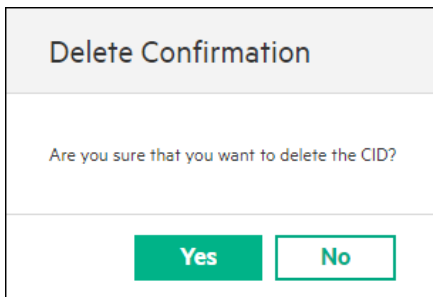


Figure 12. Delete Confirmation window

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### Note

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

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### 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

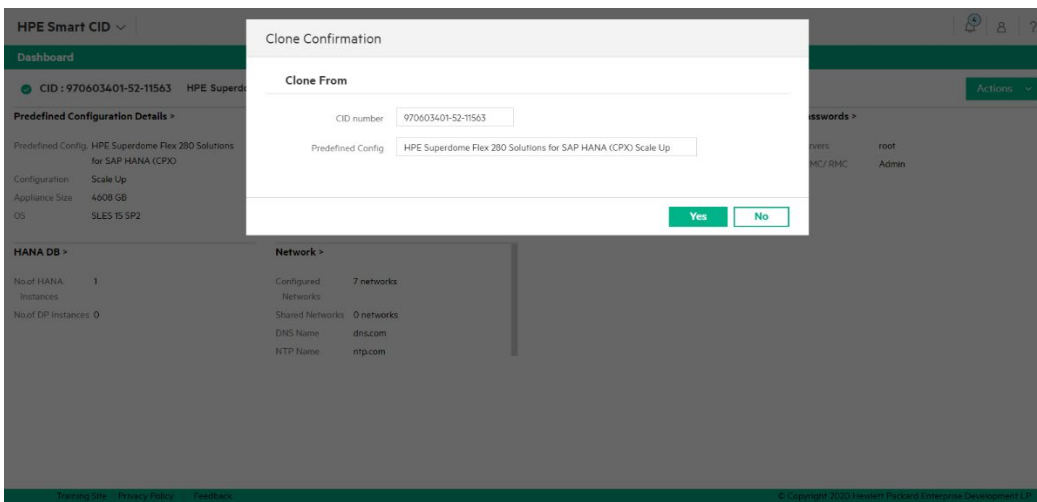
You can clone a CID to copy all the details of an existing CID to a new CID. When cloning, all the details are copied except the following:

- HPE Sales Order Number
- HPE Sales Quote Number

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

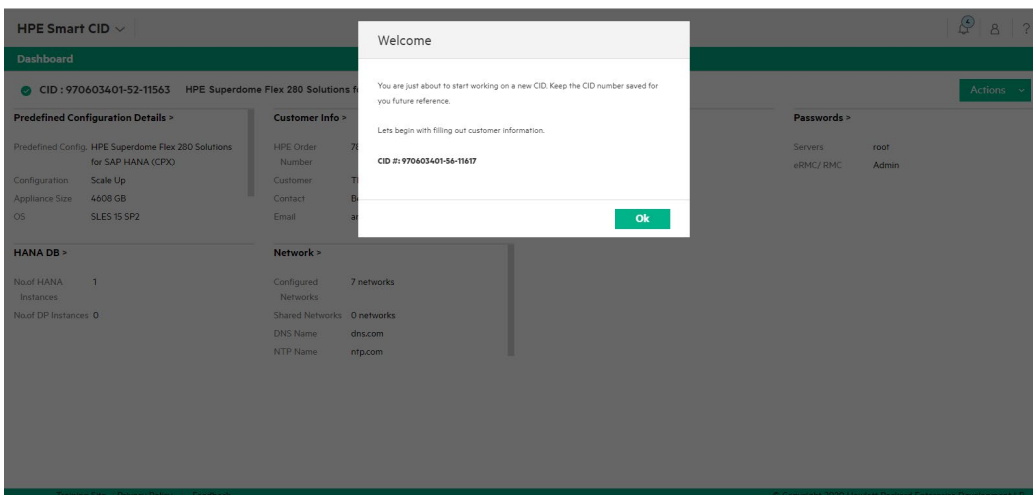
To clone a CID, follow these steps:

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

1. Log in to HPE Smart CID with your username and password.
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 **SAP HANA** under **Category**.
5. Select **HPE Superdome Flex 280 Solutions for SAP HANA (CPX)** from the **Solution** drop-down list.
6. Select **Scale Up** from the **Choose Scale** drop-down list.
7. Select **Custom CID** from the **CID Option** drop-down list.
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**.

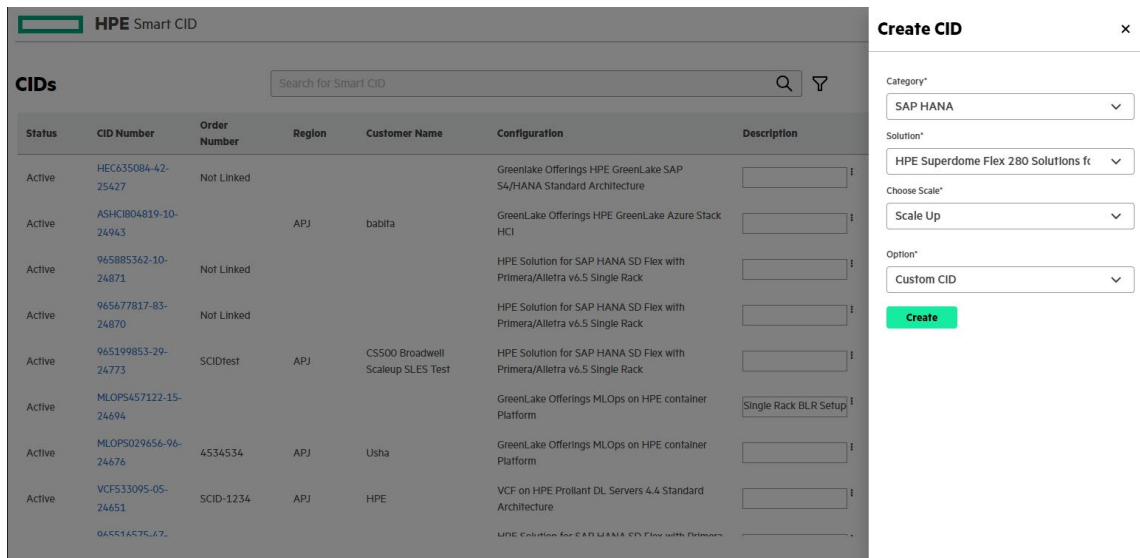
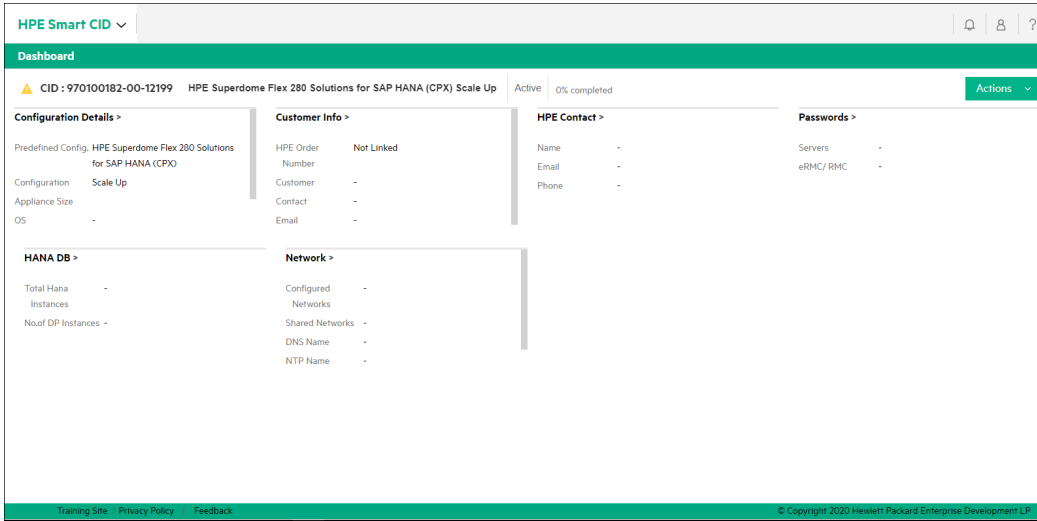


Figure 15. Creating a new CID

### Dashboard - HPE Superdome Flex 280 Solutions for SAP HANA (CPX) Scale Up

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 280 Solutions for SAP HANA (CPX) Scale Up

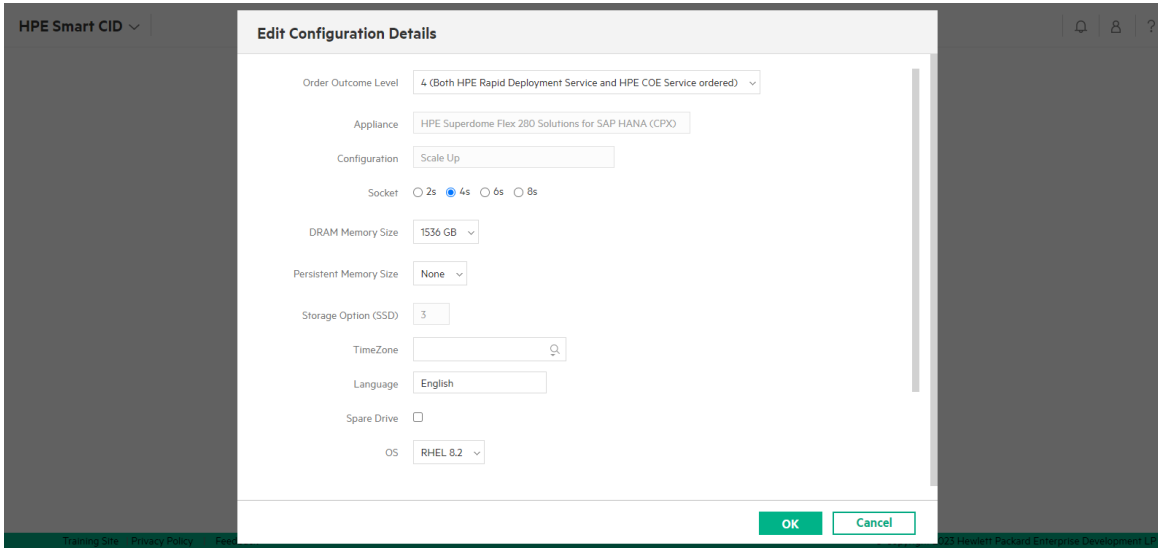
The dashboard view gives you the following details:

- CID number, system, status, and current progress of the CID in percentage.
- Configuration Details
- Customer Info
- HPE contact
- Passwords
- HANA DB
- Network
- Action menu with options: **Submit**, **Delete**, **Archive**, **Submit for Review**, and **Clone**

### Configuration Details

The **Configuration Details** section contains details about the configuration. This section is different for each solution or system.





**Figure 17.** Configuration Details

In the **Configuration Details** section, the details in the **Appliance** and **Configuration** fields are auto-populated and displayed. You must enter the following details:

- Order Outcome Level: The user can select among the three options from the drop-down list. The available options are:
  - 2 (Only HPE Factory Express Integration ordered)
  - 3 (Only HPE Rapid deployment service ordered)
  - 4 (Both HPE Rapid Deployment Service and HPE COE Service ordered)
- Socket: Select 2S, 4S, 6S, or 8S
- DRAM Memory Size
- Persistent Memory Size
- Storage Option (SSD)
- TimeZone
- Language
- Spare Drive
- OS: Select an option from the **OS** drop-down list
- Is HANA Installation Required?: Select Yes or No
- Enable Data Encryption?: Select Yes or No
- Dual Purpose: Select Yes or No. If you select **Yes**, select the **Drive Type**, and enter the value in the **Number of drives** field

Entering information for these details is mandatory. This section allows you to change the values at any time. Based on the values selected under the **Socket** field, **DRAM Memory Size**, **Persistent Memory Size**, and **Storage Option** are auto-calculated and displayed. Entering information for these details is mandatory. Ensure that the HANA Installation selection is set to Yes to view HANA details on the dashboard.



## Customer Info

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

The screenshot shows the 'Edit Customer Info' window. It has a header 'HPE Smart CID' and a title 'Edit Customer Info'. The main content is organized into two sections. The first section, 'HPE Order Details', contains three fields: 'HPE Order Number' with the value '767676', 'SFDC Opportunity id\*' which is empty, and 'Deal Specific Request?' with radio buttons for 'Yes' and 'No', where 'No' is selected. The second section, 'Customer Contact Info', starts with a dropdown menu labeled 'Please Select'. Below it are several text input fields: 'Company Name' (TEST-CID), 'Contact Name (First Name, Last Name)' (BenEngineer), 'Title/Position' (RandDSpecialist234), 'Contact Phone' (+111 71335 502123), 'Company Email' (ik@hpe.com), 'HPE Passport ID' (empty), 'Street Name' (Global Technology Park Road), 'Building Details' (Ecospace, with 'Optional' text to its right), 'City, State' (Banagalore,Karnataka), and 'ZIP Code' (560048). At the bottom right of the form are two buttons: 'OK' and 'Cancel'.

**Figure 18.** Customer Info

Enter the following details in the **Customer Info** window.

- Do you know the HPE Order number to link with this CID? (Yes or No). If you select **Yes**, then enter the following details in the **HPE Order Details** section.
  - HPE Order Number
  - SFDC Opportunity ID

---

### Note

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

- 
- Deal Specific Request? (Yes or No). If you select **Yes**, then enter the DSR number in the **DSR ID** field.
  - Customer Contact Info
    - Company name
    - Contact name
    - Title/Position
    - Contact phone number
    - Company email address
    - Company addresses with city, zip code, country, and region
    - HPE passport ID

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:

- First name
- Last name
- Contact phone number



- Company email address
- Title/Position
- Hours of Availability (Optional)

You can also fill in the details such as contact name, phone number, email address, title/position, and hours of availability in the **Additional Customer Contact (Optional)** section.

Click **OK** to save changes and close the window.

### HPE Contact

The **HPE Contact** section has information about HPE personnel such as:

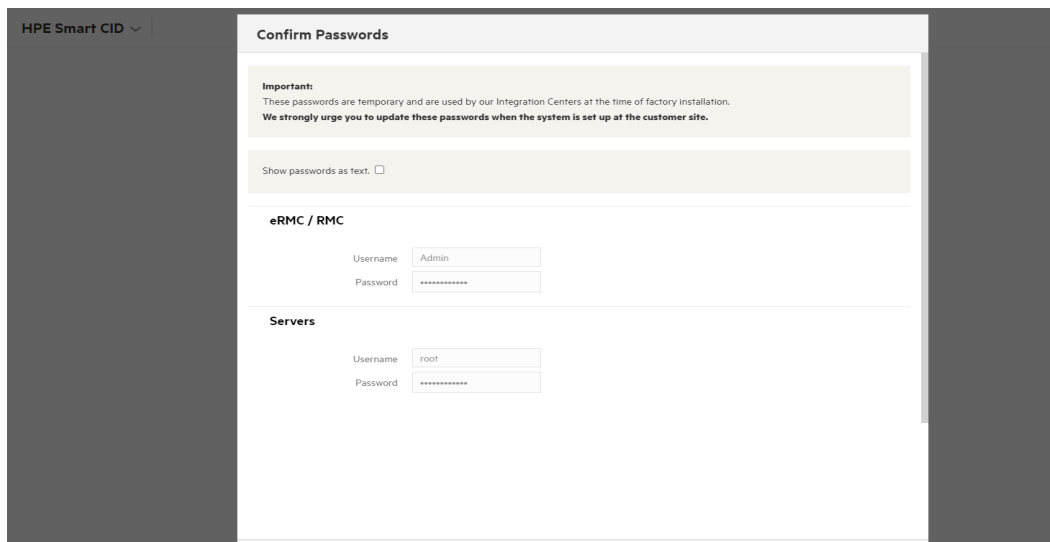
- HPE Primary Contact
- Pre-Sales Contact
- GID Technical Contact
- Deployment Contact

Click **Edit** to update the HPE personnel details.

Click **OK** to save the changes and close the window.

### Passwords

The **Passwords** section lists the default usernames and passwords for all the components. Click **Show Passwords as text** to view the passwords.



**Figure 19.** Passwords confirmation

Click **OK** to confirm the passwords.

### HANA DB

This section allows you to enter the following:

- Common information
- Instance Information



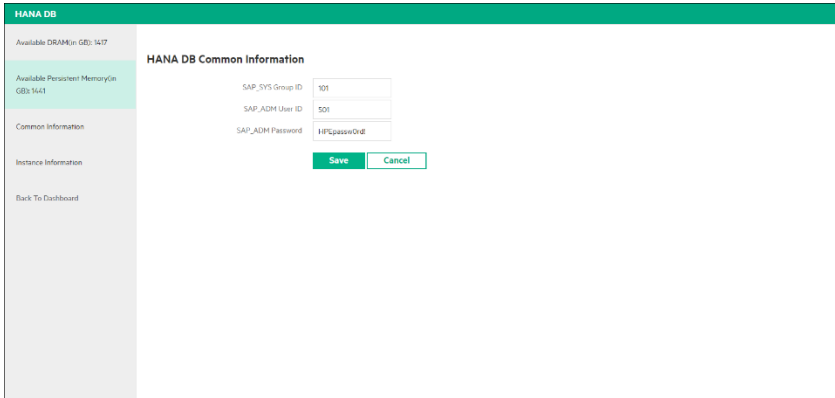


Figure 20. HANA DB - Common Information

Common Information

This tab displays the following information:

- SAP\_SYS Group ID
- SAP\_ADM User ID
- SAP\_ADM Password

Instance information

Click **Add Instance** to add an instance.

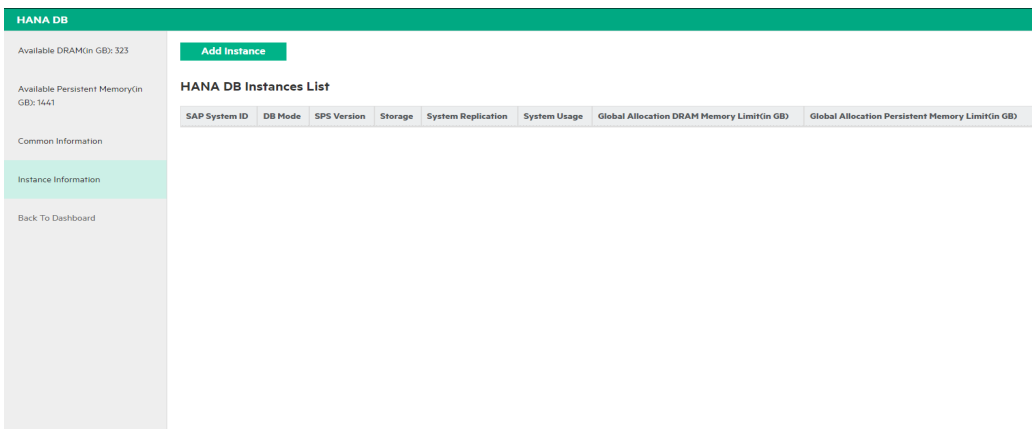


Figure 21. HANA DB – Add Instance

- In the **Instance Type info** section, select the following details:
  - Select the **HANA Instance** type
  - Select the **SPS Version**
  - Select the **Storage** type
  - Select the **System Replication**
  - Select the **System Usage**
- Select **High** or **Low** under **Isolation Level**.

---

**Note**





Based on the SPS version, users can enter Tenant DB information, with the isolation level as high or low.

- In the **General Instance Info** section, enter the following details:
  - System ID (SID)
  - Instance number
  - System Password
- In the **SAP ID Info** section, enter the following details:
  - SID\_ADM User ID
  - SID\_ADM Password
  - SID SHM Group ID
- In the **Important Info** section, enter the following details:
  - Use all memory
  - Global Allocation DRAM Memory Limit(in GB)
  - Use all PMM memory
  - Global Allocation Persistent Memory Limit(in GB)
  - Workload
- In the **SAP HANA Components** section, select **Installed** or **Not Installed** for the following components:
  - Client
  - Studio

The screenshot displays the 'HANA DB' configuration interface for instance 'A12'. On the left, there is a sidebar with navigation options: 'Available DRAM(in GB): 1417', 'Available Persistent Memory(in GB): 1441', 'Common Information', 'Instance Information' (highlighted), and 'Back To Dashboard'. The main content area is titled 'A12' and contains several sections:

- Instance Type Info:** A table with columns for HANA Instance, SPS Version, Storage, System Replication, System Usage, and Shutdown. The values are: SAP HANA 1 Single Container, SPS 12, Primary, None, Production, and Shutdown for SGs.
- Isolation Level:** A section with the text 'What is the Isolation Level' and two radio buttons: 'High' (selected) and 'Low'.
- General Instance Info:** A table with columns for System ID (SID), Instance Number, and System Password. The values are: A12, 00, and HPEpasswd!
- SAP ID Info:** A table with columns for SID\_ADM User ID and SID\_ADM Password. The values are: 1001 and HPEpasswd!

**Figure 22.** HANA DB - Instance Information

Click **OK** to save the entered information.

## Network

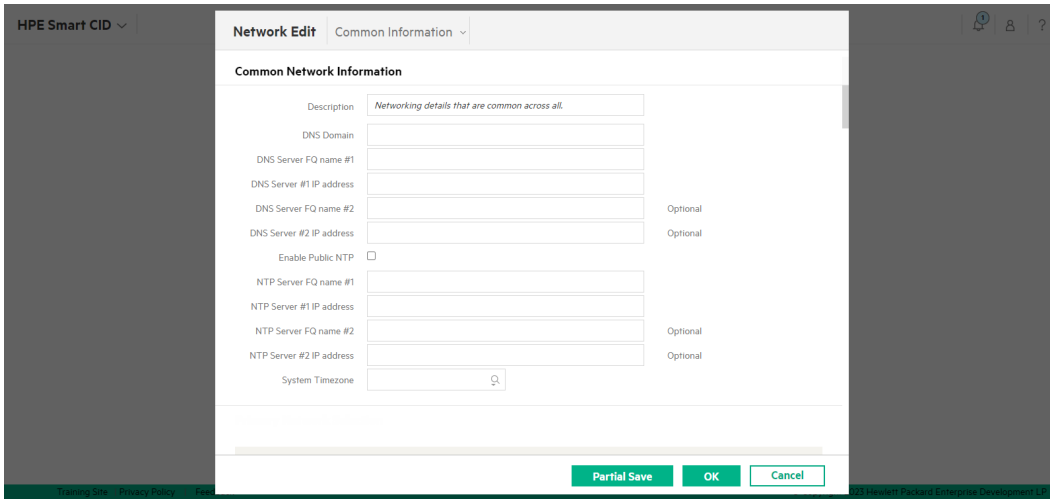
The **Network** section allows you to enter and edit network configuration and settings for your system. Following are the sections in network settings that need to be configured. This information is used to generate and validate gateway IP addresses.

### Common Network Information

In this section, enter the following mandatory information:



- Description
- DNS domain names
- IP address of DNS servers
- Name of the NTP servers
- IP address of the NTP servers
- System Timezone



**Figure 23.** Common Network Information

**Primary Network Selection**

Select **Management Network** or **Data Network** under **Which network do you want to select for server hostname?**

HPE Smart CID allows you to configure the system for each of these networks.

- Management Network
- Data Network
- User/BI Network
- Replication Network
- BackUp Network
- eRMC / RMC / BMC Network
- Quorum Network (for HPE Serviceguard installations only)

In each network section, select one of the following options under **How does this network classify?**

- **Stand Alone:** This is available for all networks. If the network is a **Stand Alone** network, you can view or edit the following details.
  - Description
  - Physical Connections
  - Customer IP Count
  - Select an option from the **Bond Mode** drop-down list
  - VLAN ID
  - Color Coding
  - Network Mask



- Subnet
- Gateway
- **Hardware Devices (components) Configuration** section: This displays the default hostnames and IP addresses. Enter the Hostname and IP address

The screenshot shows the 'Network Edit' interface for a 'Management' network. The 'How does this network classify?' section has 'Stand Alone' selected. The 'Description' is 'Used for Appliance Management. ssh access.' The 'Physical Connections' are set to '1Gbps RJ45 Ethernet'. The 'Customer IP Count' is '1', 'Bond Mode' is 'mode 1 - active/passive', and 'VLAN ID' is 'NONE'. The 'Color Coding' is highlighted in green. The 'Network Mask' is '255.255.255.0', 'Subnet' is '172.28.1.0', and 'Gateway' is '172.28.1.1'. The 'Hardware Devices (components) Configuration' table shows a device 'RC01-HANA-SDFlex01' with hostname 'host28rn1' and IP address '172.28.1.1'. Buttons for 'Partial Save', 'OK', and 'Cancel' are at the bottom.

Figure 24. Sample Stand Alone network setting

**Note**

By default, the value in **Physical Connections** is **1Gbps RJ45 Ethernet**.

Each network configuration has a unique color coding. This color is used in the visual representation of the network.

HPE assigns default hostnames and IP addresses to each device in each standalone network.

- **Shared:** This is available for all networks except Management and Quorum Networks. If you select this option, select the shared network from the **Shared With** drop-down list.

The screenshot shows the 'Network Edit' interface for a 'Data' network. The 'How does this network classify?' section has 'Shared' selected. The 'Shared With' dropdown is set to 'None Selected'. The 'Description' is 'Connection between ERP and HANA.' The 'Physical Connections' are set to '10/25Gb 2-port 6405FP28 ethernet adapter'. The 'Customer IP Count' is '1', 'Bond Mode' is 'mode 1 - active/passive', and 'VLAN ID' is 'NONE'. The 'Color Coding' is highlighted in orange. The 'Network Mask' and 'Subnet' fields are empty. The 'Hardware Devices (components) Configuration' section has a checkbox for 'Checked: Enable DHCP'. Buttons for 'Partial Save', 'OK', and 'Cancel' are at the bottom.

Figure 25. Sample Shared network setting

- **Not Applicable:** This is available only for User/BI, Replication, and BackUp Networks. Select this option if your system is not used for any of the networks.



- **Fill Later:** This is available only for eRMC / RMC / BMC Network.
- Enable DHCP:** This is available only for eRMC / RMC / BMC Network.

---

**Note**

If you need 40GbE or 10GbE with fiber, make sure that you order transceivers and optional cables.  
If you need 40GbE or 10GbE with copper, make sure that you order optional cables.

---

## Submitting a CID

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

- Submit for Review
- Customer 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**

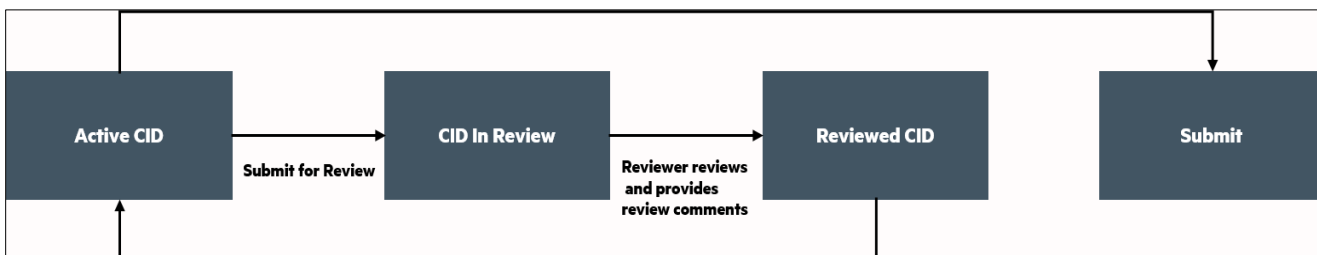
The **Submit for Review** feature is available only for EMEA region users.

---

### Review process

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

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



**Figure 26.** 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.
  - The creator makes the required changes and resends the CID to the reviewer for review. After the reviewer accepts the changes submitted by the creator, the CID can be submitted.
  - If the CID requires no further changes, the reviewer can click **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.

---



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

For more information, see the [Final CID submit – customer submit](#) section.

### 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.

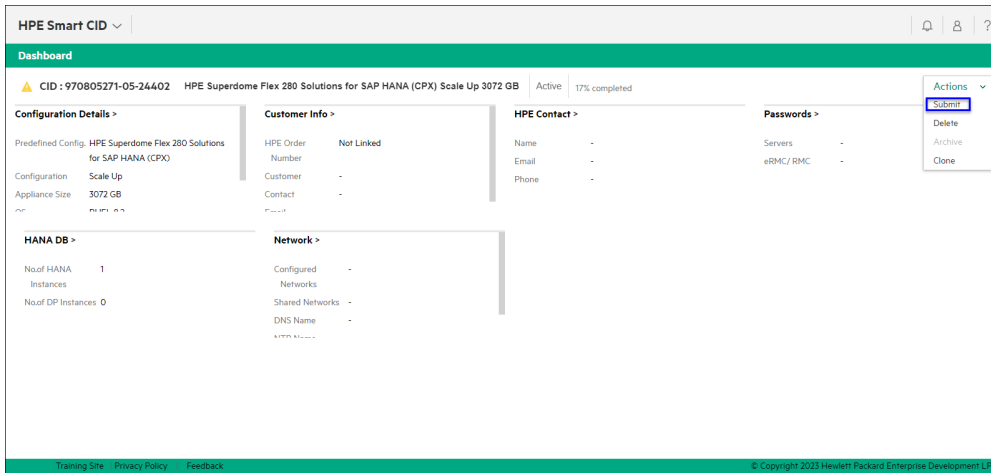


Figure 27. Submitting a CID

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

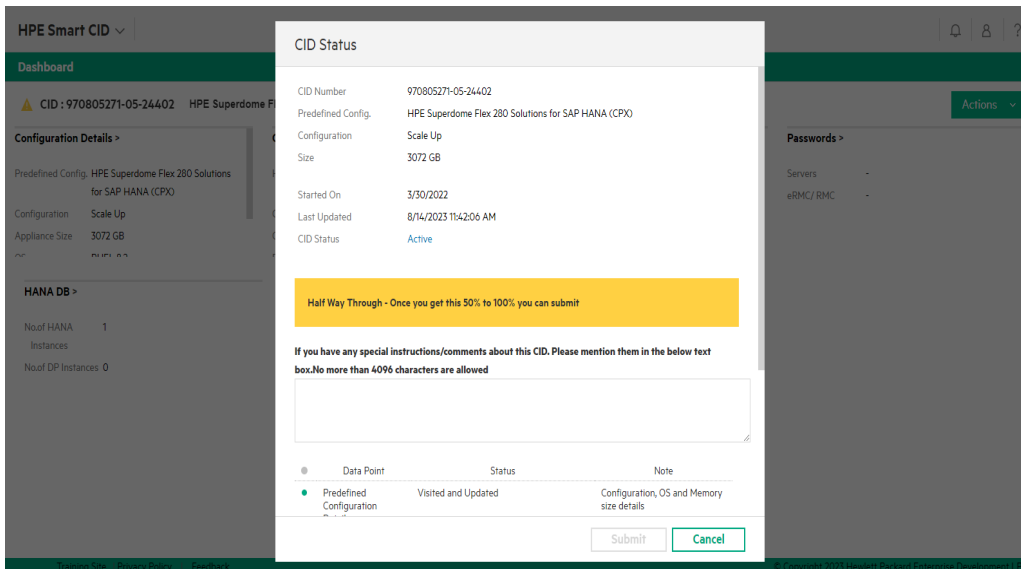


Figure 28. Notification of incomplete sections when submitting a CID

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.

### 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](mailto: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.

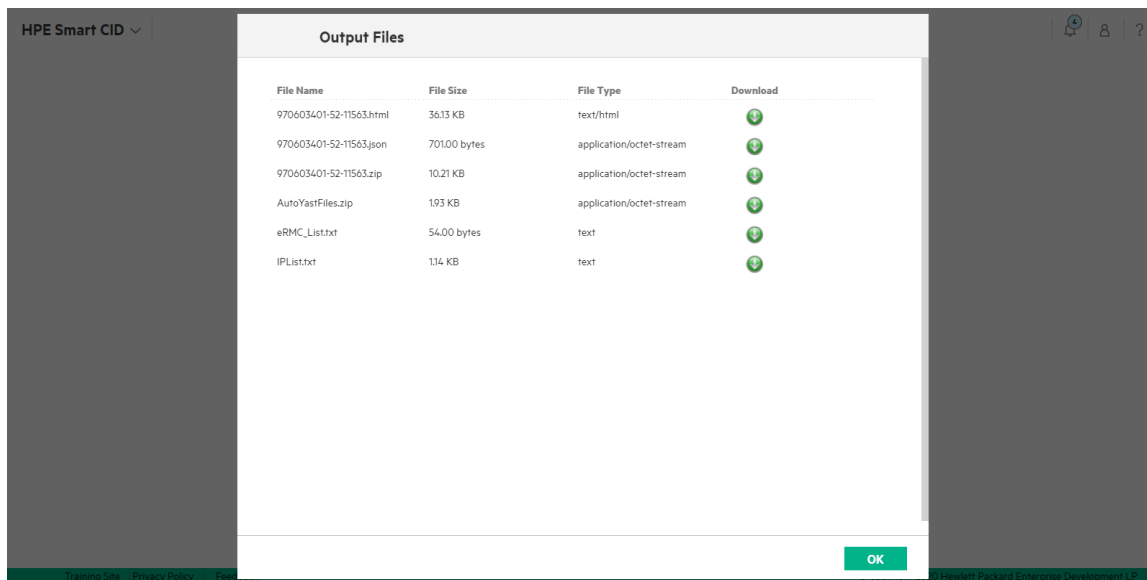
To archive a CID, refer to the [Archiving a CID](#) section.

To track a submitted CID, refer to the [Tracking a CID](#) section.

## Using the Output Files

After you submit a CID, the following setup and configuration files are generated:

1. A text file with ERM/RMC device host name and IP address (ERM/RMC\_List.txt)
2. A text file with all the IP addresses (IP\_List.txt)
3. Auto YAST file (for SLES)
4. IFCFG files (for RHEL)
5. A zip file that contains all the above files (<CID-number>.zip).



**Figure 29.** Downloading output files

You can download these files from the **Output Files** section. Click the **Download** icon to download the files. After downloading, verify the configuration information in these files' contents before using them to configure the system.

---

**Note**

When the customer opts for RHEL 8.1 version under the OS field an output file, chrony.conf, is generated.

---

## Configuring for SUSE Linux Servers with Auto YAST file



For SUSE Linux Enterprise Server (SLES) configuration, HPE Smart CID generates the Auto YAST configuration file based on the information in the CID.

To configure for SUSE Linux servers:

1. Download the AutoYASTFiles.zip from the **Output Files** section.
2. Extract the zip file and copy the setuplan-XX.xml to the `root` directory of the server that needs to be configured.
3. From the command line interface, run the following command to begin configuration:  

```
# yast_ayast_setup setup filename=/root/setuplan_XX.xml
```
4. After configuration is complete, verify the physical connections for the Data Network. Run the following command to view the network interfaces:  

```
# ifconfig -a
```

Verify that the Data Network has either bond2 (for 10 Gbps or 40 Gbps interface) or bond8 (for 1Gbps).
5. Run the following command to verify the hostname  

```
# hostname
```
6. Open the following file locations and verify if these files are generated and match the values in the CID.
  - NTP configuration file in `/etc/ntp.conf`.
  - DNS configuration file in `/etc/resolv.conf`.
  - Default gateway configuration file in `/etc/sysconfig/network/routes/`.
  - Host IP address mapping with their names in `/etc/hosts`.

## Configuring for Red Hat Enterprise Linux Servers with IFCFG files

For Red Hat Enterprise Linux Server configuration, HPE Smart CID generates IFCFG configuration files based on the information in the CID.

1. Download the **<CID-number>.zip** from the **Output Files** section.
2. Extract the contents of the zip file to your local computer.
3. Copy **Server1.zip** to the system that needs to be configured.
4. Extract the file and run the following command from the command line interface:  

```
# bash DeploySmartCID.sh
```

## Saving a CID to PDF

After you submit the CID, you can save the CID information to a PDF document. You can use the Web browser's built-in utility to do this.

### Google Chrome

HPE recommends using Google Chrome to save CID information in PDF format. Unlike other browsers, Google Chrome saves all the information in a single PDF file.

For example, to save CID information to PDF in Google Chrome, follow these steps:

1. Click the CID number and open the CID.
2. Click **Summary** under **ACTIONS** to view CID information.
3. Right-click the **Summary** window and select **Print**.



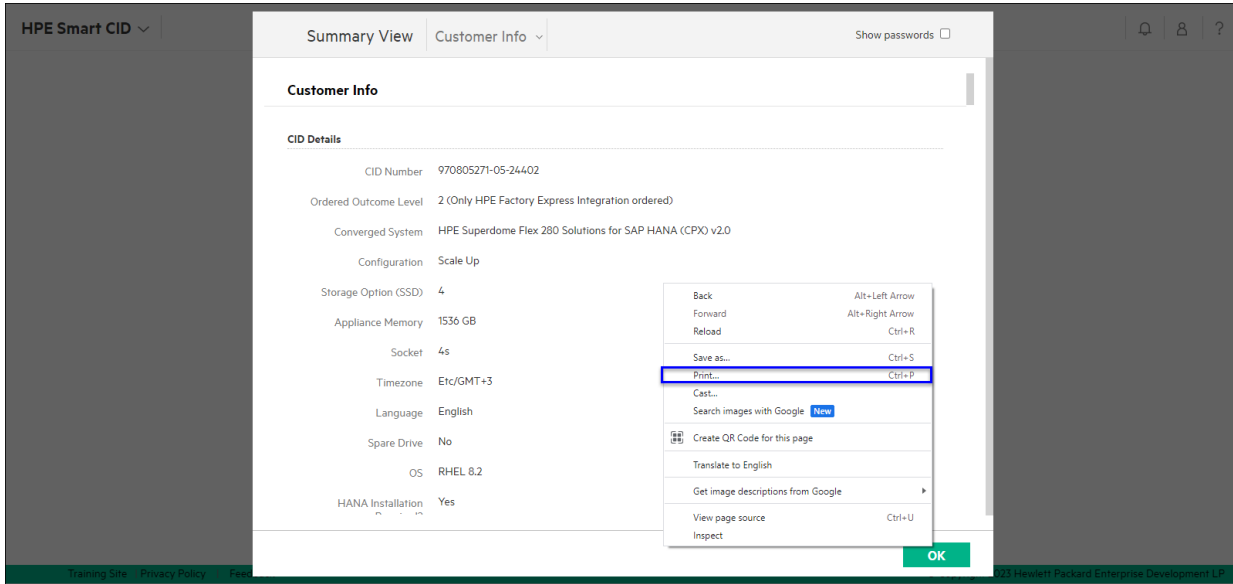


Figure 30. Print to PDF in Google Chrome

4. In the Google Chrome **Print** window, select **Save as PDF** from the **Destination** drop-down list.

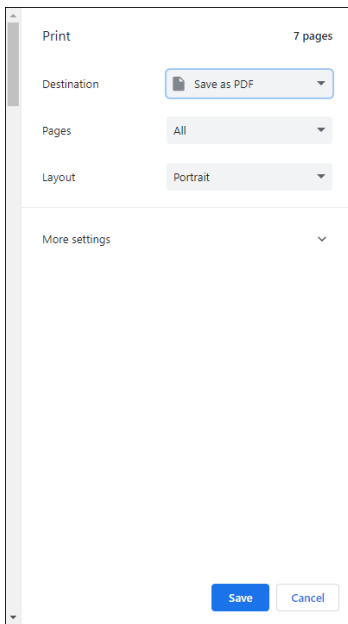


Figure 31. Save as PDF in Google Chrome

5. Click **Save** to save the information as a PDF file

## Internet Explorer 11

HPE does not recommend using Internet Explorer 11 to save CID information as PDF. Internet Explorer does not save all the information in a single file. You must save each section as a separate PDF file and then import each file into a new file.

---

### Note

This option is available only if you have Adobe Acrobat Distiller installed on your computer.

---





For example, to save CID information to PDF in Internet Explorer, follow these steps:

1. Click the CID number and open the CID.
2. Select **Summary** under **ACTIONS** to view CID information.
3. Right-click the **Summary** window and select **Print**.
4. In the Internet Explorer 11 **Print** window, select **Adobe PDF**.
5. Click **Print** to save the information as a PDF file.
6. Repeat these steps to save each section as a PDF file.
7. Open Adobe Acrobat XI and click **Create > PDF from File...** and select all the separate files.
8. Click **Open** to view the files and save the document as a PDF file.

## 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](mailto:smart-cid@hpe.com). Our support personnel will contact you and help in resolving 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 [pd\\_l\\_smartcid\\_ind\\_all@hpe.com](mailto:pd_l_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](http://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 GreenLake Advisory and Professional Services

[hpe.com/us/en/services/consulting.html](http://hpe.com/us/en/services/consulting.html)

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## User guide

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