



Credential Profiles

Table 1: Feature History

Feature Name	Release information	Description
Modernized and Refreshed Credential Management UI	Cisco Smart PHY 22.2	Modifications in the Credential Management Smart PHY UI: <ul style="list-style-type: none">• Introduction of two new fields—In Use and Last Updated (in Date and time format) for the Credential profile.• Enhanced search facility to search based on credential profile parameters.

Overview

Credential profiles allow you to apply credential settings consistently across CCAP cores. When you add or import CCAP cores, you can specify the credential profile that you want to use. If you need to modify parameters such as changing a device password, you can edit the credential profile. Once the parameter is modified, it is applicable to all the CCAP cores that use the modified profile.

Figure 1: Credential Profile

The screenshot shows the Cisco Operations Hub interface for Credential Profiles. The breadcrumb path is Smart PHY > Profiles > Credential Profiles. The left sidebar contains navigation options: Overview, Inventory, Service Definitions, RPD Associations, PROFILES (with Credential Profiles selected), RF Power Adjust Profiles, SETTINGS (with Global Configuration, GCP Redirect Configuration, and Software Compatibility Rules), and ADMINISTRATION (with Database Operations). The main content area shows a table of Credential Profiles with columns for Profile Name, User Name, Protocol, Port Number, In Use, and Last Updated. Two profiles are listed: Baltar_SSH and Taipei_SSH, both using the user 'cstuser' and protocol 'SSH' on port '22'. Both are marked as 'In Use' and were last updated on Jul 1, 2022.

Profile Name	User Name	Protocol	Port Number	In Use	Last Updated
Baltar_SSH	cstuser	SSH	22	✓	Jul 1, 2022 11:11:15 AM
Taipei_SSH	cstuser	SSH	22	✓	Jul 1, 2022 11:10:48 AM

For more information, refer the following topics:

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Creating a New Credential Profile

This procedure creates a new credential profile.

Before you begin

Make sure that the SSH and SNMP are configured on Cisco cBR-8 router.

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- Step 1** At the main menu, click **Smart PHY > Credential Profiles**.
The **Credential Profiles** page appears.
- Step 2** Click **Create**.
The **Add Credential Profile** window appears at the right side of the page.
- Step 3** Enter the following details in the text fields.

If you have to add several credential profiles, then ensure that the credential **Profile Name** and **Description** are as informative as possible.

Field Name	Description
Profile Name	Name of the Profile
Username	Username of the Cisco cBR-8 router
Password	Password of the Cisco cBR-8 router
Enable Password	Enable Password of the Cisco cBR-8 router
Connectivity Type	SSH or Telnet
Port Number	22 for SSH and 23 for Telnet

Step 4 Click **Save**.

A success confirmation message appears that a new credential profile is added.

- Note**
- In a large network, devices may share the same credentials.
 - Smart PHY leverages SSH to log in directly to the `exec` mode on the Cisco cBR-8 router.
 - When a CCAP core is added or updated using this profile, the content you specify in the credential profile is applied to the device automatically.

Editing Credential Profiles

This procedure edits credential profiles.

Step 1 At the main menu, click **Smart PHY > Credential Profiles**.

The **Credential Profiles** page appears.

Step 2 Click the profile that you want to view or edit.

Step 3 Update the credential profile parameters as required.

Step 4 Click **Save**.

- Note** A credential profile is applied to multiple CCAP cores. Once the credential profile is updated, the new set of parameters is referred by the associated devices automatically.

Changing Credential Profile for existing CCAP Core

You can change the credential profile associated with a CCAP core at any time from Smart PHY's **Inventory** page.

This procedure changes the credential profile associated with a CCAP core.

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- Step 1** At the main menu, click **Smart PHY > Inventory**.
 - Step 2** Check the check box associated with the CCAP core that you want to update.
 - Step 3** Click **Edit** and then select a different credential profile from the **Credential Profile** drop-down list.
 - Step 4** Click **Save**.
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Performing Bulk Credential Profile Update

We recommend that you use the Smart PHY's CSV import feature so that you can perform bulk credential profile updates to CCAP cores.

This procedure makes bulk credential profile updates to CCAP cores.

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- Step 1** At the main menu, click **Smart PHY > Inventory > Credential Profiles**.
The **Remote PHY Devices & CCAP Cores** page appears.
 - Step 2** Choose the CCAP cores that you want to update and click **Export**. A CSV file is generated and downloaded to your PC.
You can use the following **Export** options:
 - a. To include a complete list of devices in the **Remote PHY Devices & CCAP Cores** page, click **Export**.
 - b. To include the selected devices, check the device check boxes that you want to modify, and click **Export**.
 - c. To include the filtered list of devices, enter the text in the **Search** field to filter the list of devices, and click **Export**.
 - Step 3** **Edit** the new CSV file, update the rows with another Credential Profile and then **Save** the file. The file must be saved in the CSV format. The Credential Profile that you want to use must exist in Smart PHY before initiating the **Import** operation.
 - Step 4** Click **Import**. The updated CSV file is imported.
 - Step 5** Review the proposed changes in the **Replace Existing Node** sidebar window. Click **Yes to All** to accept the changes.
 - Step 6** Click **Save**.

Note This operation overwrites the existing associations between a CCAP Core and the credential profile.

Deleting Credential Profile

Smart PHY allows deleting one or more credential profiles as long as the selected profiles are not in use.

This procedure deletes the credential profile.

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- Step 1** At the main menu, click **Smart PHY > Credential Profiles**.
The **Credential Profiles** page appears.
- Step 2** Select one or more profiles which are not in use.
- Step 3** Click **Delete**.
A confirmation message appears that the credential profile is deleted.
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