

Creating DHCP Profiles (C-Web Interface)

When the SAE receives a DHCP discover request from the router, it uses the client's MAC address to find a DHCP profile in cache or in the directory. If it finds a DHCP profile, the SAE uses the information in the profile to create a discover decision that it returns to the router. The discover decision includes information to select an IP address and DHCP options to configure the DHCP client.

When a DHCP subscriber logs in to the SAE through a Web portal, the SAE registers the subscriber's equipment and creates a cached DHCP profile in the *o = AuthCache* directory. These profiles are keyed by the MAC address of the DHCP client device. They are created by the `grantPublicIp` or the `registerEquipment` methods.

DHCP profiles are stored in the *o = AuthCache* directory in the `dhcpProfile` object class. The `dhcpProfile` object class is subordinate to the `cachedAuthenticationProfiles` object class. Manually created profiles are keyed by the `cn` (common name) attribute.

To create a DHCP profile:

1. Click **Configure**, expand **Shared**, and then click **Auth Cache**.

The Auth Cache pane appears.

2. From the Create new list, select **Cached Dhcp Profile**.
3. Type a name for the new cached DHCP profile in the dialog box, and click **OK**.

The cached authentication profile appears in the side pane and in the Cached DHCP Profile pane.

4. Enter information as described in the Help text in the main pane, and click **Apply**.

- Related Topics**
- For more information about how the SAE handles DHCP subscribers, see:
 - Assigning DHCP Addresses to Subscribers
 - Creating DHCP Profiles (SRC CLI)
 - DHCP Subscriber Login and Service Activation
 - Selecting DHCP Parameters

