Registering Cisco UCS Domains with Cisco UCS Central

This chapter includes the following sections:

Registration of Cisco UCS Domains

You can have Cisco UCS Central manage some or all of the Cisco UCS domains in your data center.

If you want to have Cisco UCS Central manage a Cisco UCS domain, you need to register that domain. When you register, you need to choose which types of policies and other configurations, such as backups and firmware, will be managed by Cisco UCS Central and which by Cisco UCS Manager. You can have Cisco UCS Central manage the same types of policies and configurations for all registered Cisco UCS domains or you can choose to have different settings for each registered Cisco UCS domain.

Before you register a Cisco UCS domain with Cisco UCS Central, do the following:

- Configure an NTP server and the correct time zone in both Cisco UCS Manager and Cisco UCS Central to ensure that they are in sync. If the time and date in the Cisco UCS domain and Cisco UCS Central are out of sync, the registration might fail.
- Obtain the hostname or IP address of Cisco UCS Central
- Obtain the shared secret that you configured when you deployed Cisco UCS Central

Note   You cannot change or swap the IP addresses used by Cisco UCS Manager in a domain that is registered with Cisco UCS Central. If you need to change or swap that IP address, you must first unregister the domain from Cisco UCS Central. You can reregister the Cisco UCS domain after you have changed or swapped the IP address.

Policy Resolution between Cisco UCS Manager and Cisco UCS Central

For each Cisco UCS domain that you register with Cisco UCS Central, you can choose which application will manage certain policies and configuration settings. This policy resolution does not have to be the same for every Cisco UCS domain that you register with the same Cisco UCS Central.

You have the following options for resolving these policies and configuration settings:

- **Local**—The policy or configuration is determined and managed by Cisco UCS Manager.

- **Global**—The policy or configuration is determined and managed by Cisco UCS Central.

The following table contains a list of the policies and configuration settings that you can choose to have managed by either Cisco UCS Manager or Cisco UCS Central:

Name	Description
Infrastructure & Catalog Firmware	Determines whether the Capability Catalog and infrastructure firmware policy are defined locally or come from Cisco UCS Central.
Date & Time	Determines whether the date and time is defined locally or comes from Cisco UCS Central.
Communication	Determines whether HTTP, CIM XML, Telnet, SNMP, web session limits, and Management Interfaces Monitoring Policy settings are defined locally or in Cisco UCS Central.
Faults	Determines whether the Global Fault Policy is defined locally or in Cisco UCS Central.
Security	Determines whether authentication and native domains, LDAP, RADIUS, TACACS+, trusted points, locales, and user roles are defined locally or in Cisco UCS Central.
DNS Management	Determines whether DNS servers are defined locally or in Cisco UCS Central.
Config Backup	Determines whether the Full State Backup Policy and All Configuration Export Policy are defined locally or in Cisco UCS Central.

Name	Description
Monitoring	Determines whether Call Home, Syslog, and TFTP Core Exporter settings are defined locally or in Cisco UCS Central.
Managed Endpoint	Determines whether managed endpoints are defined locally or in Cisco UCS Central.
Power Management	Determines whether the power management is defined locally or in Cisco UCS Central.
Power Supply Unit	Determines whether power supply units are defined locally or in Cisco UCS Central.

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Before You Begin

Configure an NTP server and the correct time zone in both Cisco UCS Manager and Cisco UCS Central to ensure that they are in sync. If the time and date in the Cisco UCS domain and Cisco UCS Central are out of sync, the registration might fail.

Procedure

Step 1   In the **Navigation** pane, click the **Admin** tab.

Step 2   On the **Admin** tab, expand **All** > **Communication Management**.

Step 3   Click the **UCS Central** node.

Step 4   In the **Work** pane, click the **UCS Central** tab.

Step 5   In the **Actions** area, click **Register With UCS Central**.

Step 6   In the **Register with UCS Central** dialog box, do the following:

a) Complete the following fields:

Name	Description
Hostname/IP Address field	The hostname or IP address of the virtual machine where Cisco UCS Central is deployed.
	Note If you use a hostname rather than an IPv4 or IPv6 address, you must configure a DNS server. If the Cisco UCS domain is not registered with Cisco UCS Central or DNS management is set to **local**, configure a DNS server in Cisco UCS Manager. If the Cisco UCS domain is registered with Cisco UCS Central and DNS management is set to **global**, configure a DNS server in Cisco UCS Central.
Shared Secret field	The shared secret (or password) that was configured when Cisco UCS Central was deployed.

    b) In the **Policy Resolution Control** area, click one of the following radio buttons for each of the fields:

- **Local**—The policy or configuration is determined and managed by Cisco UCS Manager.

- **Global**—The policy or configuration is determined and managed by Cisco UCS Central.

    c) Click **OK**.

Modifying Policy Resolutions between Cisco UCS Manager and Cisco UCS Central

Procedure

Step 1 In the **Navigation** pane, click the **Admin** tab.

Step 2 On the **Admin** tab, expand **All** > **Communication Management**.

Step 3 Click the **UCS Central** node.

Step 4 In the **Work** pane, click the **UCS Central** tab.

Step 5 In the **Policy Resolution Control** area, click one of the following radio buttons for each of the fields:

- **Local**—The policy or configuration is determined and managed by Cisco UCS Manager.

- **Global**—The policy or configuration is determined and managed by Cisco UCS Central.

Step 6 Click **Save Changes**.

Unregistering a Cisco UCS Domain from Cisco UCS Central

When you unregister a Cisco UCS domain from Cisco UCS Central, Cisco UCS Manager no longer receives updates to global policies.

Procedure

Step 1   In the **Navigation** pane, click the **Admin** tab.

Step 2   On the **Admin** tab, expand **All** > **Communication Management**.

Step 3   Click the **UCS Central** node.

Step 4   In the **Work** pane, click the **UCS Central** tab.

Step 5   In the **Actions** area, click **Unregister From UCS Central**.

Step 6   If the Cisco UCS Manager GUI displays a confirmation dialog box, click **Yes**.

Step 7   Click **OK**.