



## **Cisco UCS Manager 4.0 Privileges**

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## CHAPTER 1

# Role-Based Access Control and Privileges

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## Role-Based Access Control and Privileges

Role-Based Access Control (RBAC) is a method of restricting or authorizing system access for users based on user roles and locales. A role defines the privileges of a user in the system and the locale defines the organizations (domains) that a user is allowed to access.

In Cisco UCS Manager, you do not directly assign privileges to users. Instead, you assign the roles, which contain one or more privileges, to the users. However, to understand which role to assign to a user, you need to know which system resources the privileges included in that role allow the user to access.

For example, in a company which is configured with locales for Engineering and Finance, a user who is assigned the Server Administrator role in the Engineering locale can update server configurations in the Engineering locale but cannot update server configurations in the Finance locale. If you want the user to be able to update server configurations in the Finance locale, you must assign that locale to the user as well.

## Role-Based Access Control and Privileges

Role-Based Access Control (RBAC) is a method of restricting or authorizing system access for users based on user roles and locales. A role defines the privileges of a user in the system and the locale defines the organizations (domains) that a user is allowed to access.

In Cisco UCS Manager, you do not directly assign privileges to users. Instead, you assign the roles, which contain one or more privileges, to the users. However, to understand which role to assign to a user, you need to know which system resources the privileges included in that role allow the user to access.

For example, in a company which is configured with locales for Engineering and Finance, a user who is assigned the Server Administrator role in the Engineering locale can update server configurations in the Engineering locale but cannot update server configurations in the Finance locale. If you want the user to be able to update server configurations in the Finance locale, you must assign that locale to the user as well.





## CHAPTER 2

# Cisco UCS Manager 4.0 Privileges

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## Cisco UCS Manager 4.0 Privileges

### **Aaa (aaa)**

This privilege allows a user to perform provisioning operations related to Authentication, Authorization and Accounting. This includes managing users and roles, and configuring services that are exposed to the management interfaces.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure SNMP policy, SNMP users, SNMP trap destinations.
- Configure UCS management connectivity: HTTP, HTTPS, SSH, telnet, CIM, WS-MAN, event channel security.
- Configure DNS providers and DNS domain.
- Configure Key Ring. Import certificates of trusted authorities. Generate and import Certificates.
- Configure users, roles, user locales, user sessions, login banner, authentication domains, authentication providers (LDAP, RADIUS, TACACS).
- Configure whether communication policies are resolved locally or through UCS Central.

### **Admin (admin)**

This privilege provides a user with full access to all operations in Cisco UCS Manager.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- This privilege has full access to all operations.

**Ext Lan Config (ext-lan-config)**

This privilege allows a user to configure LAN settings on a fabric interconnect, including Ethernet border ports, VLANs, LAN PIN groups, Ethernet SPAN sessions, LAN policies, and management interfaces.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Enable/Disable Ethernet/FC/iSCSI ports and port channels on a server adapter. Set port/port channel label.
- Configure MAC aging properties. Specify Ethernet end-host or switching mode. Enable/Disable VLAN compression.
- Configure DNS providers and DNS domain.
- Configure Ethernet PIN Groups.
- Configure Fabric Interconnect system name.
- Configure VLANs and VLAN groups.
- Configure management interfaces monitoring policy.
- Configure Ethernet monitoring sessions (SPAN).
- Configure NetFlow policies, exporters and collectors.
- Configure Ethernet Link Profile and LACP policy.
- Configure Inband CIMC profile.
- Enable/Disable Ethernet ports on a Fabric Interconnect or IO Module. Set port labels.
- Configure management interfaces (IPv4 and IPv6) on the Fabric Interconnect.
- Configure Ethernet border ports on the Fabric Interconnect. Add/remove VLANs to border ports.
- Specify the allowed range for virtual MAC addresses.

**Ext Lan Policy (ext-lan-policy)**

This privilege allows a user to configure LAN settings on a fabric interconnect, including Ethernet border ports, VLANs, LAN PIN groups, Ethernet SPAN sessions, LAN policies, and vNIC/vHBA placement policies

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure NetFlow policies, exporters and collectors.
- Create/modify/delete vNIC/vHBA placement.
- Enable/Disable Ethernet/FC/iSCSI ports and port channels on a server adapter. Set port/port channel label.
- Configure Ethernet Link Profile and LACP policy.
- Configure Inband CIMC profile.



- Configure MAC aging properties. Specify Ethernet end-host or switching mode. Enable/Disable VLAN compression.
- Enable/Disable Ethernet ports on a Fabric Interconnect or IO Module. Set port labels.
- Configure Ethernet border ports on the Fabric Interconnect. Add/remove VLANs to border ports.
- Configure Ethernet PIN Groups.
- Specify the allowed range for virtual MAC addresses.
- Configure VLANs and VLAN groups.
- Configure Ethernet monitoring sessions (SPAN).

### **Ext Lan Qos (ext-lan-qos)**

This privilege allows a user to configure QoS classes of service for Ethernet and Fibre Channel and to configure Ethernet MTU.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

### **Ext Lan Security (ext-lan-security)**

This privilege allows a user to configure NTP providers, and date and time zone settings.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure NTP providers, date and time zone.

### **Ext San Config (ext-san-config)**

This privilege allows a user to configure SAN settings on a fabric interconnect, including FC/FCoE border ports, VSANs, SAN PIN groups, and Fibre Channel SPAN sessions.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

### **Ext San Policy (ext-san-policy)**

This privilege allows a user to configure SAN settings on a fabric interconnect, including FC/FCoE border ports, VSANs, SAN PIN Groups, and Fibre Channel SPAN sessions.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure Fibre Channel and FCoE ports on the Fabric Interconnect. Add/remove VSANs to FC ports. Configure the FCoE native VLAN.
- Configure the allowed range for virtual WWN addresses.
- Configure Fibre Channel monitoring sessions.
- Configure storage connection within a Service Profile.

- Configure VSANs.
- Specify Fibre Channel end-host or switching mode. Specify FC trunking mode.
- Create/modify/delete storage connection policies.
- Configure Fibre Channel PIN Groups.

### **Ext San Qos (ext-san-qos)**

This privilege allows a user to configure QoS classes of service for Ethernet and Fibre Channel and to configure Ethernet MTU.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

### **Fault (fault)**

This privilege allows a user to configure fault policies, Call Home policies, and fault suppression policies. The user can also acknowledge faults in Cisco UCS Manager.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Acknowledge faults, configure fault policies (flap interval, soak interval, clear/ack action, limits, retention).
- Configure whether fault policies are resolved locally or through UCS Central.
- Configure Call Home policies. Used to send call home events when a fault is raised.

### **Service Profile Compute (ls-compute)**

This privilege allows a user to configure most aspects of service profiles. However the user cannot create, modify or delete vNICs or vHBAs. You can use this privilege to enforce a strong separation between server, network, and storage provisioning activities. For example, a network administrator can create vNICs, a storage administrator can create vHBAs, and the server administrator can configure all other elements of a service profile

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure schedules. Schedules can be used to trigger one-time or periodic tasks in the future.
- Configure Inband CIMC IP connectivity.
- Create/modify/delete local storage policies (disks and LUNs).
- Configure vHBA initiator groups.
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure iSCSI boot parameters.
- Configure the vNIC/vHBA placement of a Service Profile.
- Assign usNIC policies to service profile.

- Create/modify/delete Service Profile maintenance policies.
- Configure VMQ policies.
- Create/modify/delete Service Profiles/Templates. Assign policies to Service Profiles. Acknowledge service profile pending tasks.
- Assign storage profiles to Service Profiles.
- Perform maintenance tasks on local disks, local LUNs and remote LUNs.
- Configure power policies and power placement.
- Associate and Disassociate Service Profiles.
- Configure Service Profile BIOS policies.
- Configure Service Profile scriptable vMedia.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure Service Profile scriptable vMedia policies.

### **Service Profile Config (ls-config)**

This privilege allows a user to configure service profiles and to configure distributed virtual switches (DVSEs) in a VM-FEX environment.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure LAN connectivity policies. Configure Service Profile vNICs and add/remove VLANs on vNICs.
- Configure VMware vCenter connections, datacenters, folders, switch.
- Configure schedules. Schedules can be used to trigger one-time or periodic tasks in the future.
- Configure Inband CIMC IP connectivity.
- Configure VMware vCenter cryptographic keys.
- Within a service profile, specify if vNICs/vHBAs should be inherited from the hardware when vNICs/vHBAs are not explicitly defined.
- Create/modify/delete Service Profiles/Templates. Assign policies to Service Profiles. Acknowledge service profile pending tasks.
- Assign storage profiles to Service Profiles.
- Configure FC group templates.
- Perform maintenance tasks on local disks, local LUNs and remote LUNs.
- Associate and Disassociate Service Profiles.
- Configure Service Profile BIOS policies.
- Configure Service Profile scriptable vMedia.

- Configure vHBA behavior policy when vHBAs are not explicitly defined.
- Create/modify/delete local storage policies (disks and LUNs).
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure Service Profile iSCSI vNICs.
- Configure iSCSI boot parameters.
- Configure the vNIC/vHBA placement of a Service Profile.
- Configure Service Profile vNICs storage initiator autoconfig policies.
- Create/modify/delete Service Profile maintenance policies.
- Configure power policies and power placement.
- Configure vNIC behavior policy when vNICs are not explicitly defined.
- Assign port profiles to Distributed Virtual Switches.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure SAN connectivity policies. Configure Service Profile vHBAs and add/remove VSANs on vHBAs.
- Configure Service Profile scriptable vMedia policies.

### **Service Profile Config Policy (ls-config-policy)**

This privilege allows a user to configure policies that are applied to Service Profiles, including host firmware packages, local disk policies, boot policies, and Serial over LAN policies

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure VMware vCenter connections, datacenters, folders, switch.
- Configure iSCSI authentication profile.
- Create/modify/delete local storage policies (disks and LUNs).
- Configure VMware vCenter cryptographic keys.
- Create/modify/delete Service Profile maintenance policies.
- Configure Serial over LAN policies.
- Assign storage profiles to Service Profiles.
- Create/modify/delete management firmware packages. This feature is deprecated.
- Configure Service Profile boot policies.
- Configure power policies and power placement.
- Associate and Disassociate Service Profiles.
- Assign port profiles to Distributed Virtual Switches.

- Configure Service Profile scriptable vMedia.
- Configure Service Profile scriptable vMedia policies.
- Create/modify/delete FC adapter policies.
- Create/modify/delete Ethernet adapter policies (Ethernet and iSCSI).

### **Service Profile Ext Access (Is-ext-access)**

Service profile end point access

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

### **Service Profile Network (Is-network)**

This privilege allows a user to configure network policies and network elements that are applied to service profile vNICs. A user can also configure other network elements that impact service profiles, such as server ports.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure LAN connectivity policies. Configure Service Profile vNICs and add/remove VLANs on vNICs.
- Configure VMware vCenter connections, datacenters, folders, switch.
- Create/modify/delete vNIC/vHBA placement.
- Configure Inband CIMC IP connectivity.
- Create/modify/delete Service Profile dynamic vNIC policies.
- Configure Ethernet server ports on the Fabric Interconnect.
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure Service Profile iSCSI vNICs.
- Configure iSCSI boot parameters.
- Configure vNIC templates.
- Reset IO Module and FEX. Set IO Module/FEX labels.
- Create/modify/delete Network Control policies.
- Configure VMQ policies.
- Configure VLAN and VLAN group org permissions.
- Configure VM-FEX Port Profile policy.
- Configure vNIC behavior policy when vNICs are not explicitly defined.
- Assign port profiles to Distributed Virtual Switches.

- Specify the allowed range for virtual MAC addresses.
- Create/modify/delete Ethernet adapter policies (Ethernet and iSCSI).

### **Service Profile Network Policy (ls-network-policy)**

This privilege allows a user to configure network policies and network elements that are applied to service profile vNICs.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Create/modify/delete vNIC/vHBA placement.
- Configure pools of MAC addresses.
- Create/modify/delete Service Profile dynamic vNIC policies.
- Configure Ethernet server ports on the Fabric Interconnect.
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure pools of IP addresses.
- Reset IO Module and FEX. Set IO Module/FEX labels.
- Specify the allowed range for virtual MAC addresses.
- Create/modify/delete Network Control policies.
- Configure VMQ policies.

### **Service Profile Qos Policy (ls-qos-policy)**

Service Profile QOS policy

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Create/modify/delete QoS rate-limiting and Flow Control policies.

### **Service Profile Security (ls-security)**

This privilege allows a user to configure IPMI policies.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

### **Service Profile Security Policy (ls-security-policy)**

This privilege allows a user to configure IPMI policies.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure IPMI users and IPMI authentication profiles.

### **Service Profile Server (Is-server)**

This privilege allows a user to configure service profiles.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure LAN connectivity policies. Configure Service Profile vNICs and add/remove VLANs on vNICs.
- Configure schedules. Schedules can be used to trigger one-time or periodic tasks in the future.
- Configure Inband CIMC IP connectivity.
- Within a service profile, specify if vNICs/vHBAs should be inherited from the hardware when vNICs/vHBAs are not explicitly defined.
- Create/modify/delete Service Profiles/Templates. Assign policies to Service Profiles. Acknowledge service profile pending tasks.
- Assign storage profiles to Service Profiles.
- Configure FC group templates.
- Perform maintenance tasks on local disks, local LUNs and remote LUNs.
- Associate and Disassociate Service Profiles.
- Configure Service Profile BIOS policies.
- Configure Service Profile scriptable vMedia.
- Configure vHBA behavior policy when vHBAs are not explicitly defined.
- Create/modify/delete local storage policies (disks and LUNs).
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure Service Profile iSCSI vNICs.
- Configure iSCSI boot parameters.
- Configure the vNIC/vHBA placement of a Service Profile.
- Configure Service Profile vNICs storage initiator autoconfig policies.
- Create/modify/delete Service Profile maintenance policies.
- Configure VMQ policies.
- Configure power policies and power placement.
- Configure vNIC behavior policy when vNICs are not explicitly defined.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure SAN connectivity policies. Configure Service Profile vHBAs and add/remove VSANs on vHBAs.
- Configure Service Profile scriptable vMedia policies.

**Service Profile Server Oper (ls-server-oper)**

This privilege allows a user to control the power state of a service profile.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Control the power state of a Service Profile.

**Service Profile Server Policy (ls-server-policy)**

This privilege allows a user to control the power state of a service profile, associate and disassociate service profiles, and configure server-related policies.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Create/modify/delete vNIC/vHBA placement.
- Configure iSCSI authentication profile.
- Control the power state of a Service Profile.
- Configure Service Profile vNICs storage initiator autoconfig policies.
- Configure DIMM black listing policy.
- Create/modify/delete management firmware packages. This feature is deprecated.
- Configure Service Profile boot policies.
- Configure power policies and power placement.
- Associate and Disassociate Service Profiles.
- Configure Service Profile scriptable vMedia.
- Configure Service Profile scriptable vMedia policies.
- Create/modify/delete server-related policies: maintenance, BIOS.
- Create/modify/delete FC adapter policies.
- Create/modify/delete Ethernet adapter policies (Ethernet and iSCSI).

**Service Profile Storage (ls-storage)**

This privilege allows a user to configure storage policies and storage elements that are applied to service profile vHBAs. The user can also configure other storage elements that impact service profiles.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure vHBA behavior policy when vHBAs are not explicitly defined.
- Create/modify/delete local storage policies (disks and LUNs).
- Configure vHBA initiator groups.



- Configure Service Profile iSCSI vNICs.
- Configure iSCSI boot parameters.
- Configure Service Profile vNICs storage initiator autoconfig policies.
- Create/modify/delete storage connection policies.
- Configure the allowed range for UUIDs.
- Configure the allowed range for virtual WWN addresses.
- Assign storage profiles to Service Profiles.
- Configure FC group templates.
- Perform maintenance tasks on local disks, local LUNs and remote LUNs.
- Configure Service Profile scriptable vMedia.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure the FC storage visibility for a vHBA initiator group.
- Set FC zone labels.
- Configure Service Profile scriptable vMedia policies.
- Create/modify/delete FC adapter policies.

### **Service Profile Storage Policy (ls-storage-policy)**

This privilege allows a user to configure storage policies and storage elements that are applied to service profile vHBAs.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Create/modify/delete vNIC/vHBA placement.
- Create/modify/delete local storage policies (disks and LUNs).
- Configure storage connection within a Service Profile.
- Configure Service Profile vNICs storage initiator autoconfig policies.
- Create/modify/delete storage connection policies.
- Configure the allowed range for UUIDs.
- Configure the allowed range for virtual WWN addresses.
- Assign storage profiles to Service Profiles.
- Configure FC group templates.
- Configure Service Profile boot policies.
- Configure pools of IQN addresses (for iSCSI).
- Configure Service Profile scriptable vMedia.

- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure Service Profile scriptable vMedia policies.
- Configure pools of WWN addresses.

### **Operations (operations)**

This privilege allows a user to perform maintenance activities, such as SEL backup operations, and to configure system-level policies, such as call home, syslog, and log level, and to create tech support files.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Generate and download Tech Support files.
- Configure core file export policies. Download core files.
- Configure whether config, firmware and monitoring policies are resolved locally or through UCS Central.
- Configure log file export policies. Export log files.
- Configure the logging level for debug log files on the Fabric Interconnect.
- Clear or backup SEL log files (FEX, IO Module, CIMC). Configure SEL log policy.
- Acknowledge faults.
- Configure the Catalog pack, specifying which catalog to be used.
- Configure the statistics collection policies.
- Configure the Syslog feature.
- Create/modify/delete stats threshold policies.

### **Org Management (org-management)**

This privilege allows a user to configure organizations in the org hierarchy.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Create/modify/delete organizations.

### **Server Equipment (pn-equipment)**

This privilege allows a user to configure the power supply redundancy policy and to control the power state of network adapters.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure Power Supply Redundancy policy. Configure whether PSU redundancy policies can be resolved through UCS Central.
- Control power state of network adaptors.

**Server Maintenance (pn-maintenance)**

This privilege allows a user to perform maintenance operations on physical servers, such as acknowledging servers, configuring locator LEDs, and decommissioning servers.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure locator, indicator, beacon and health LEDs.
- Enable/Disable Ethernet/FC/iSCSI ports and port channels on a server adapter. Set port/port channel label.
- Enable/Disable mapping out of black-listed DIMMs. Reset server DIMM errors.
- Control the power state of a Service Profile.
- Acknowledge Chassis and IO Module. Set Chassis labels and chassis IDs.
- Configure diagnostics.
- Reset IO Module and FEX. Set IO Module/FEX labels.
- Perform server maintenance operations: reset CIMC, reset KVM server, reset CMOS, perform diagnostic interrupt, reset server. Set blade and rack server labels.
- Acknowledge, decommission, recommission and recover blade servers and rack servers.

**Server Policy (pn-policy)**

This privilege allows a user to configure server-related policies.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure VMware vCenter connections, datacenters, folders, switch.
- Configure locator, indicator, beacon and health LEDs.
- Enable/Disable mapping out of black-listed DIMMs. Reset server DIMM errors.
- Configure Power Supply Redundancy policy. Configure whether PSU redundancy policies can be resolved through UCS Central.
- Control the power state of a Service Profile.
- Acknowledge Chassis and IO Module. Set Chassis labels and chassis IDs.
- Configure server/chassis discovery, acknowledgement and connectivity policies. Configure blade inheritance and auto-configuration policy.
- Configure VMware vCenter cryptographic keys.
- Reset IO Module and FEX. Set IO Module/FEX labels.
- Configure UUID pools.
- Configure Virtual Machine and Virtual Machine vNIC retention policy.

- Perform server maintenance operations: reset CIMC, reset KVM server, reset CMOS, perform diagnostic interrupt, reset server. Set blade and rack server labels.
- Acknowledge, decommission, recommission and recover blade servers and rack servers.
- Configure DIMM black listing policy.
- Configure server pools, server pool policies, and server pool qualification policies.
- Configure whether server/chassis discovery policies can be resolved through UCS Central.
- Configure Service Profile disk and BIOS scrub policies.
- Control power state of network adaptors.
- Configure Service Profile BIOS policies.
- Assign port profiles to Distributed Virtual Switches.
- Run diagnostics.

### **Server Security (pn-security)**

Server security

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

### **Power Mgmt (power-mgmt)**

This privilege allows a user to configure power groups, the power budget, and power policies.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure Power Groups, power budget, and power policies.

## **Cisco UCS Manager 4.0 Privileges**

### **Aaa (aaa)**

This privilege allows a user to perform provisioning operations related to Authentication, Authorization and Accounting. This includes managing users and roles, and configuring services that are exposed to the management interfaces.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure SNMP policy, SNMP users, SNMP trap destinations.
- Configure UCS management connectivity: HTTP, HTTPS, SSH, telnet, CIM, WS-MAN, event channel security.
- Configure DNS providers and DNS domain.

- Configure Key Ring. Import certificates of trusted authorities. Generate and import Certificates.
- Configure users, roles, user locales, user sessions, login banner, authentication domains, authentication providers (LDAP, RADIUS, TACACS).
- Configure whether communication policies are resolved locally or through UCS Central.

**Admin (admin)**

This privilege provides a user with full access to all operations in Cisco UCS Manager.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- This privilege has full access to all operations.

**Ext Lan Config (ext-lan-config)**

This privilege allows a user to configure LAN settings on a fabric interconnect, including Ethernet border ports, VLANs, LAN PIN groups, Ethernet SPAN sessions, LAN policies, and management interfaces.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Enable/Disable Ethernet/FC/iSCSI ports and port channels on a server adapter. Set port/port channel label.
- Configure MAC aging properties. Specify Ethernet end-host or switching mode. Enable/Disable VLAN compression.
- Configure DNS providers and DNS domain.
- Configure Ethernet PIN Groups.
- Configure Fabric Interconnect system name.
- Configure VLANs and VLAN groups.
- Configure management interfaces monitoring policy.
- Configure Ethernet monitoring sessions (SPAN).
- Configure NetFlow policies, exporters and collectors.
- Configure Ethernet Link Profile and LACP policy.
- Configure Inband CIMC profile.
- Enable/Disable Ethernet ports on a Fabric Interconnect or IO Module. Set port labels.
- Configure management interfaces (IPv4 and IPv6) on the Fabric Interconnect.
- Configure Ethernet border ports on the Fabric Interconnect. Add/remove VLANs to border ports.
- Specify the allowed range for virtual MAC addresses.

**Ext Lan Policy (ext-lan-policy)**

This privilege allows a user to configure LAN settings on a fabric interconnect, including Ethernet border ports, VLANs, LAN PIN groups, Ethernet SPAN sessions, LAN policies, and vNIC/vHBA placement policies

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure NetFlow policies, exporters and collectors.
- Create/modify/delete vNIC/vHBA placement.
- Enable/Disable Ethernet/FC/iSCSI ports and port channels on a server adapter. Set port/port channel label.
- Configure Ethernet Link Profile and LACP policy.
- Configure Inband CIMC profile.
- Configure MAC aging properties. Specify Ethernet end-host or switching mode. Enable/Disable VLAN compression.
- Enable/Disable Ethernet ports on a Fabric Interconnect or IO Module. Set port labels.
- Configure Ethernet border ports on the Fabric Interconnect. Add/remove VLANs to border ports.
- Configure Ethernet PIN Groups.
- Specify the allowed range for virtual MAC addresses.
- Configure VLANs and VLAN groups.
- Configure Ethernet monitoring sessions (SPAN).

**Ext Lan Qos (ext-lan-qos)**

This privilege allows a user to configure QoS classes of service for Ethernet and Fibre Channel and to configure Ethernet MTU.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

**Ext Lan Security (ext-lan-security)**

This privilege allows a user to configure NTP providers, and date and time zone settings.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure NTP providers, date and time zone.

**Ext San Config (ext-san-config)**

This privilege allows a user to configure SAN settings on a fabric interconnect, including FC/FCoE border ports, VSANs, SAN PIN groups, and Fibre Channel SPAN sessions.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

#### **Ext San Policy (ext-san-policy)**

This privilege allows a user to configure SAN settings on a fabric interconnect, including FC/FCoE border ports, VSANs, SAN PIN Groups, and Fibre Channel SPAN sessions.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure Fibre Channel and FCoE ports on the Fabric Interconnect. Add/remove VSANs to FC ports. Configure the FCoE native VLAN.
- Configure the allowed range for virtual WWN addresses.
- Configure Fibre Channel monitoring sessions.
- Configure storage connection within a Service Profile.
- Configure VSANs.
- Specify Fibre Channel end-host or switching mode. Specify FC trunking mode.
- Create/modify/delete storage connection policies.
- Configure Fibre Channel PIN Groups.

#### **Ext San Qos (ext-san-qos)**

This privilege allows a user to configure QoS classes of service for Ethernet and Fibre Channel and to configure Ethernet MTU.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

#### **Fault (fault)**

This privilege allows a user to configure fault policies, Call Home policies, and fault suppression policies. The user can also acknowledge faults in Cisco UCS Manager.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Acknowledge faults, configure fault policies (flap interval, soak interval, clear/ack action, limits, retention).
- Configure whether fault policies are resolved locally or through UCS Central.
- Configure Call Home policies. Used to send call home events when a fault is raised.

#### **Service Profile Compute (ls-compute)**

This privilege allows a user to configure most aspects of service profiles. However the user cannot create, modify or delete vNICs or vHBAs. You can use this privilege to enforce a strong separation between server, network, and storage provisioning activities. For example, a network administrator can create vNICs, a storage administrator can create vHBAs, and the server administrator can configure all other elements of a service profile

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure schedules. Schedules can be used to trigger one-time or periodic tasks in the future.
- Configure Inband CIMC IP connectivity.
- Create/modify/delete local storage policies (disks and LUNs).
- Configure vHBA initiator groups.
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure iSCSI boot parameters.
- Configure the vNIC/vHBA placement of a Service Profile.
- Assign usNIC policies to service profile.
- Create/modify/delete Service Profile maintenance policies.
- Configure VMQ policies.
- Create/modify/delete Service Profiles/Templates. Assign policies to Service Profiles. Acknowledge service profile pending tasks.
- Assign storage profiles to Service Profiles.
- Perform maintenance tasks on local disks, local LUNs and remote LUNs.
- Configure power policies and power placement.
- Associate and Disassociate Service Profiles.
- Configure Service Profile BIOS policies.
- Configure Service Profile scriptable vMedia.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure Service Profile scriptable vMedia policies.

**Service Profile Config (Is-config)**

This privilege allows a user to configure service profiles and to configure distributed virtual switches (DVSEs) in a VM-FEX environment.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure LAN connectivity policies. Configure Service Profile vNICs and add/remove VLANs on vNICs.
- Configure VMware vCenter connections, datacenters, folders, switch.
- Configure schedules. Schedules can be used to trigger one-time or periodic tasks in the future.
- Configure Inband CIMC IP connectivity.
- Configure VMware vCenter cryptographic keys.



- Within a service profile, specify if vNICs/vHBAs should be inherited from the hardware when vNICs/vHBAs are not explicitly defined.
- Create/modify/delete Service Profiles/Templates. Assign policies to Service Profiles. Acknowledge service profile pending tasks.
- Assign storage profiles to Service Profiles.
- Configure FC group templates.
- Perform maintenance tasks on local disks, local LUNs and remote LUNs.
- Associate and Disassociate Service Profiles.
- Configure Service Profile BIOS policies.
- Configure Service Profile scriptable vMedia.
- Configure vHBA behavior policy when vHBAs are not explicitly defined.
- Create/modify/delete local storage policies (disks and LUNs).
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure Service Profile iSCSI vNICs.
- Configure iSCSI boot parameters.
- Configure the vNIC/vHBA placement of a Service Profile.
- Configure Service Profile vNICs storage initiator autoconfig policies.
- Create/modify/delete Service Profile maintenance policies.
- Configure power policies and power placement.
- Configure vNIC behavior policy when vNICs are not explicitly defined.
- Assign port profiles to Distributed Virtual Switches.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure SAN connectivity policies. Configure Service Profile vHBAs and add/remove VSANs on vHBAs.
- Configure Service Profile scriptable vMedia policies.

### **Service Profile Config Policy (Is-config-policy)**

This privilege allows a user to configure policies that are applied to Service Profiles, including host firmware packages, local disk policies, boot policies, and Serial over LAN policies

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure VMware vCenter connections, datacenters, folders, switch.
- Configure iSCSI authentication profile.
- Create/modify/delete local storage policies (disks and LUNs).

- Configure VMware vCenter cryptographic keys.
- Create/modify/delete Service Profile maintenance policies.
- Configure Serial over LAN policies.
- Assign storage profiles to Service Profiles.
- Create/modify/delete management firmware packages. This feature is deprecated.
- Configure Service Profile boot policies.
- Configure power policies and power placement.
- Associate and Disassociate Service Profiles.
- Assign port profiles to Distributed Virtual Switches.
- Configure Service Profile scriptable vMedia.
- Configure Service Profile scriptable vMedia policies.
- Create/modify/delete FC adapter policies.
- Create/modify/delete Ethernet adapter policies (Ethernet and iSCSI).

#### **Service Profile Ext Access (Is-ext-access)**

Service profile end point access

##### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

#### **Service Profile Network (Is-network)**

This privilege allows a user to configure network policies and network elements that are applied to service profile vNICs. A user can also configure other network elements that impact service profiles, such as server ports.

##### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure LAN connectivity policies. Configure Service Profile vNICs and add/remove VLANs on vNICs.
- Configure VMware vCenter connections, datacenters, folders, switch.
- Create/modify/delete vNIC/vHBA placement.
- Configure Inband CIMC IP connectivity.
- Create/modify/delete Service Profile dynamic vNIC policies.
- Configure Ethernet server ports on the Fabric Interconnect.
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure Service Profile iSCSI vNICs.

- Configure iSCSI boot parameters.
- Configure vNIC templates.
- Reset IO Module and FEX. Set IO Module/FEX labels.
- Create/modify/delete Network Control policies.
- Configure VMQ policies.
- Configure VLAN and VLAN group org permissions.
- Configure VM-FEX Port Profile policy.
- Configure vNIC behavior policy when vNICs are not explicitly defined.
- Assign port profiles to Distributed Virtual Switches.
- Specify the allowed range for virtual MAC addresses.
- Create/modify/delete Ethernet adapter policies (Ethernet and iSCSI).

#### **Service Profile Network Policy (Is-network-policy)**

This privilege allows a user to configure network policies and network elements that are applied to service profile vNICs.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Create/modify/delete vNIC/vHBA placement.
- Configure pools of MAC addresses.
- Create/modify/delete Service Profile dynamic vNIC policies.
- Configure Ethernet server ports on the Fabric Interconnect.
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure pools of IP addresses.
- Reset IO Module and FEX. Set IO Module/FEX labels.
- Specify the allowed range for virtual MAC addresses.
- Create/modify/delete Network Control policies.
- Configure VMQ policies.

#### **Service Profile Qos Policy (Is-qos-policy)**

Service Profile QoS policy

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Create/modify/delete QoS rate-limiting and Flow Control policies.

**Service Profile Security (Is-security)**

This privilege allows a user to configure IPMI policies.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

**Service Profile Security Policy (Is-security-policy)**

This privilege allows a user to configure IPMI policies.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure IPMI users and IPMI authentication profiles.

**Service Profile Server (Is-server)**

This privilege allows a user to configure service profiles.

**Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure LAN connectivity policies. Configure Service Profile vNICs and add/remove VLANs on vNICs.
- Configure schedules. Schedules can be used to trigger one-time or periodic tasks in the future.
- Configure Inband CIMC IP connectivity.
- Within a service profile, specify if vNICs/vHBAs should be inherited from the hardware when vNICs/vHBAs are not explicitly defined.
- Create/modify/delete Service Profiles/Templates. Assign policies to Service Profiles. Acknowledge service profile pending tasks.
- Assign storage profiles to Service Profiles.
- Configure FC group templates.
- Perform maintenance tasks on local disks, local LUNs and remote LUNs.
- Associate and Disassociate Service Profiles.
- Configure Service Profile BIOS policies.
- Configure Service Profile scriptable vMedia.
- Configure vHBA behavior policy when vHBAs are not explicitly defined.
- Create/modify/delete local storage policies (disks and LUNs).
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure Service Profile iSCSI vNICs.
- Configure iSCSI boot parameters.
- Configure the vNIC/vHBA placement of a Service Profile.

- Configure Service Profile vNICs storage initiator autoconfig policies.
- Create/modify/delete Service Profile maintenance policies.
- Configure VMQ policies.
- Configure power policies and power placement.
- Configure vNIC behavior policy when vNICs are not explicitly defined.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure SAN connectivity policies. Configure Service Profile vHBAs and add/remove VSANs on vHBAs.
- Configure Service Profile scriptable vMedia policies.

### **Service Profile Server Oper (ls-server-oper)**

This privilege allows a user to control the power state of a service profile.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Control the power state of a Service Profile.

### **Service Profile Server Policy (ls-server-policy)**

This privilege allows a user to control the power state of a service profile, associate and disassociate service profiles, and configure server-related policies.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Create/modify/delete vNIC/vHBA placement.
- Configure iSCSI authentication profile.
- Control the power state of a Service Profile.
- Configure Service Profile vNICs storage initiator autoconfig policies.
- Configure DIMM black listing policy.
- Create/modify/delete management firmware packages. This feature is deprecated.
- Configure Service Profile boot policies.
- Configure power policies and power placement.
- Associate and Disassociate Service Profiles.
- Configure Service Profile scriptable vMedia.
- Configure Service Profile scriptable vMedia policies.
- Create/modify/delete server-related policies: maintenance, BIOS.
- Create/modify/delete FC adapter policies.

- Create/modify/delete Ethernet adapter policies (Ethernet and iSCSI).

### **Service Profile Storage (Is-storage)**

This privilege allows a user to configure storage policies and storage elements that are applied to service profile vHBAs. The user can also configure other storage elements that impact service profiles.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure vHBA behavior policy when vHBAs are not explicitly defined.
- Create/modify/delete local storage policies (disks and LUNs).
- Configure vHBA initiator groups.
- Configure Service Profile iSCSI vNICs.
- Configure iSCSI boot parameters.
- Configure Service Profile vNICs storage initiator autoconfig policies.
- Create/modify/delete storage connection policies.
- Configure the allowed range for UUIDs.
- Configure the allowed range for virtual WWN addresses.
- Assign storage profiles to Service Profiles.
- Configure FC group templates.
- Perform maintenance tasks on local disks, local LUNs and remote LUNs.
- Configure Service Profile scriptable vMedia.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure the FC storage visibility for a vHBA initiator group.
- Set FC zone labels.
- Configure Service Profile scriptable vMedia policies.
- Create/modify/delete FC adapter policies.

### **Service Profile Storage Policy (Is-storage-policy)**

This privilege allows a user to configure storage policies and storage elements that are applied to service profile vHBAs.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Create/modify/delete vNIC/vHBA placement.
- Create/modify/delete local storage policies (disks and LUNs).
- Configure storage connection within a Service Profile.

- Configure Service Profile vNICs storage initiator autoconfig policies.
- Create/modify/delete storage connection policies.
- Configure the allowed range for UUIDs.
- Configure the allowed range for virtual WWN addresses.
- Assign storage profiles to Service Profiles.
- Configure FC group templates.
- Configure Service Profile boot policies.
- Configure pools of IQN addresses (for iSCSI).
- Configure Service Profile scriptable vMedia.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure Service Profile scriptable vMedia policies.
- Configure pools of WWN addresses.

### **Operations (operations)**

This privilege allows a user to perform maintenance activities, such as SEL backup operations, and to configure system-level policies, such as call home, syslog, and log level, and to create tech support files.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Generate and download Tech Support files.
- Configure core file export policies. Download core files.
- Configure whether config, firmware and monitoring policies are resolved locally or through UCS Central.
- Configure log file export policies. Export log files.
- Configure the logging level for debug log files on the Fabric Interconnect.
- Clear or backup SEL log files (FEX, IO Module, CIMC). Configure SEL log policy.
- Acknowledge faults.
- Configure the Catalog pack, specifying which catalog to be used.
- Configure the statistics collection policies.
- Configure the Syslog feature.
- Create/modify/delete stats threshold policies.

### **Org Management (org-management)**

This privilege allows a user to configure organizations in the org hierarchy.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Create/modify/delete organizations.

### **Server Equipment (pn-equipment)**

This privilege allows a user to configure the power supply redundancy policy and to control the power state of network adapters.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure Power Supply Redundancy policy. Configure whether PSU redundancy policies can be resolved through UCS Central.
- Control power state of network adaptors.

### **Server Maintenance (pn-maintenance)**

This privilege allows a user to perform maintenance operations on physical servers, such as acknowledging servers, configuring locator LEDs, and decommissioning servers.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure locator, indicator, beacon and health LEDs.
- Enable/Disable Ethernet/FC/iSCSI ports and port channels on a server adapter. Set port/port channel label.
- Enable/Disable mapping out of black-listed DIMMs. Reset server DIMM errors.
- Control the power state of a Service Profile.
- Acknowledge Chassis and IO Module. Set Chassis labels and chassis IDs.
- Configure diagnostics.
- Reset IO Module and FEX. Set IO Module/FEX labels.
- Perform server maintenance operations: reset CIMC, reset KVM server, reset CMOS, perform diagnostic interrupt, reset server. Set blade and rack server labels.
- Acknowledge, decommission, recommission and recover blade servers and rack servers.

### **Server Policy (pn-policy)**

This privilege allows a user to configure server-related policies.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure VMware vCenter connections, datacenters, folders, switch.
- Configure locator, indicator, beacon and health LEDs.
- Enable/Disable mapping out of black-listed DIMMs. Reset server DIMM errors.



- Configure Power Supply Redundancy policy. Configure whether PSU redundancy policies can be resolved through UCS Central.
- Control the power state of a Service Profile.
- Acknowledge Chassis and IO Module. Set Chassis labels and chassis IDs.
- Configure server/chassis discovery, acknowledgement and connectivity policies. Configure blade inheritance and auto-configuration policy.
- Configure VMware vCenter cryptographic keys.
- Reset IO Module and FEX. Set IO Module/FEX labels.
- Configure UUID pools.
- Configure Virtual Machine and Virtual Machine vNIC retention policy.
- Perform server maintenance operations: reset CIMC, reset KVM server, reset CMOS, perform diagnostic interrupt, reset server. Set blade and rack server labels.
- Acknowledge, decommission, recommission and recover blade servers and rack servers.
- Configure DIMM black listing policy.
- Configure server pools, server pool policies, and server pool qualification policies.
- Configure whether server/chassis discovery policies can be resolved through UCS Central.
- Configure Service Profile disk and BIOS scrub policies.
- Control power state of network adaptors.
- Configure Service Profile BIOS policies.
- Assign port profiles to Distributed Virtual Switches.
- Run diagnostics.

### **Server Security (pn-security)**

Server security

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

### **Power Mgmt (power-mgmt)**

This privilege allows a user to configure power groups, the power budget, and power policies.

#### **Tasks Allowed with this Privilege**

A user with this privilege can perform the following tasks:

- Configure Power Groups, power budget, and power policies.





## CHAPTER 3

# Deprecated Privileges

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- [Deprecated Privileges, on page 31](#)
- [Deprecated Privileges, on page 31](#)

## Deprecated Privileges

The following privileges are not currently used by Cisco UCS Manager and are deprecated:

- pod-config
- pod-policy
- pod-security
- pod-qos
- ext-san-security
- ls-qos
- ls-ext-access

## Deprecated Privileges

The following privileges are not currently used by Cisco UCS Manager and are deprecated:

- pod-config
- pod-policy
- pod-security
- pod-qos
- ext-san-security
- ls-qos
- ls-ext-access





## CHAPTER 4

# Upgrading and Downgrading

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- [Upgrading and Downgrading, on page 33](#)
- [Upgrading and Downgrading, on page 34](#)

## Upgrading and Downgrading

This section describes the effects of upgrading to and downgrading from Cisco UCS, Release 4.0 on the new role and privileges introduced in this release.

### Effect of Upgrading on Roles and Privileges

When upgrading Cisco UCS Manager from an earlier release to Cisco UCS 4.0, the server-compute role is added to the list of default roles in Cisco UCS Manager. By default, the following privileges are assigned to the server-compute role:

- Service Profile Compute (ls-compute)
- Service Profile Server Oper (ls-server-oper)
- Service Profile Server Policy (ls-server-policy)

The following new privileges are added to the list of privileges that you can add to a new or existing role:

- Org Management (org-management)
- Service Profile Compute (ls-compute)

### Effect of Downgrading on the New Role

If you downgrade Cisco UCS Manager from Cisco UCS, Release 4.0 to an earlier release, the following occurs:

- If you have not made any changes to the server-compute role, that role is deleted and will not be available in the downgraded Cisco UCS Manager. Any user with this role is assigned read-only privileges.
- If you have customized the server-compute role by adding privileges to or deleting privileges from that role, the server-compute role remains in the downgraded Cisco UCS Manager and retains the privileges that you added to the role.

- If the server-compute role includes either of the privileges that were added in Cisco UCS, Release 4.0, those privileges are removed from the role when you downgrade.

### **Effect of Downgrading on Users Assigned with New Privileges**

If you downgrade Cisco UCS Manager from Cisco UCS, Release 4.0 to an earlier release, the new privileges are not available in the downgraded Cisco UCS Manager. The following occurs to users who are assigned roles that include the new privileges:

- If the role includes other privileges that are available in the earlier release, the role and the user retains those privileges.
- If the role does not include other privileges that are available in the earlier release, the role and the user are assigned read-only privilege.

### **Effect of Upgrading Back to Cisco UCS Release 4.0 After a Downgrade**

If you upgrade Cisco UCS Manager back to Cisco UCS, Release 4.0 after you have downgraded from that release, the following occurs to users who were assigned the new role or privileges:

- If the server-compute role was deleted during the downgrade, users retain read-only privileges. You must reassign the server-compute role to users.
- If the server-compute role was not deleted during the downgrade, users retain the privileges from the earlier release. However, the Service Profile Compute (ls-compute) privilege is not reassigned to that role. You must manually assign that privilege to the server-compute role. The server-compute role retains all other privileges assigned to it.
- If a user was assigned a custom role with either the Service Profile Compute (ls-compute) or Org Management (org-management), the users retain read-only privileges. You must manually assign the new privileges to the custom role.

## **Upgrading and Downgrading**

This section describes the effects of upgrading to and downgrading from Cisco UCS, Release 4.0 on the new role and privileges introduced in this release.

### **Effect of Upgrading on Roles and Privileges**

When upgrading Cisco UCS Manager from an earlier release to Cisco UCS 4.0, the server-compute role is added to the list of default roles in Cisco UCS Manager. By default, the following privileges are assigned to the server-compute role:

- Service Profile Compute (ls-compute)
- Service Profile Server Oper (ls-server-oper)
- Service Profile Server Policy (ls-server-policy)

The following new privileges are added to the list of privileges that you can add to a new or existing role:

- Org Management (org-management)

- Service Profile Compute (ls-compute)

### **Effect of Downgrading on the New Role**

If you downgrade Cisco UCS Manager from Cisco UCS, Release 4.0 to an earlier release, the following occurs:

- If you have not made any changes to the server-compute role, that role is deleted and will not be available in the downgraded Cisco UCS Manager. Any user with this role is assigned read-only privileges.
- If you have customized the server-compute role by adding privileges to or deleting privileges from that role, the server-compute role remains in the downgraded Cisco UCS Manager and retains the privileges that you added to the role.
- If the server-compute role includes either of the privileges that were added in Cisco UCS, Release 4.0, those privileges are removed from the role when you downgrade.

### **Effect of Downgrading on Users Assigned with New Privileges**

If you downgrade Cisco UCS Manager from Cisco UCS, Release 4.0 to an earlier release, the new privileges are not available in the downgraded Cisco UCS Manager. The following occurs to users who are assigned roles that include the new privileges:

- If the role includes other privileges that are available in the earlier release, the role and the user retains those privileges.
- If the role does not include other privileges that are available in the earlier release, the role and the user are assigned read-only privilege.

### **Effect of Upgrading Back to Cisco UCS Release 4.0 After a Downgrade**

If you upgrade Cisco UCS Manager back to Cisco UCS, Release 4.0 after you have downgraded from that release, the following occurs to users who were assigned the new role or privileges:

- If the server-compute role was deleted during the downgrade, users retain read-only privileges. You must reassign the server-compute role to users.
- If the server-compute role was not deleted during the downgrade, users retain the privileges from the earlier release. However, the Service Profile Compute (ls-compute) privilege is not reassigned to that role. You must manually assign that privilege to the server-compute role. The server-compute role retains all other privileges assigned to it.
- If a user was assigned a custom role with either the Service Profile Compute (ls-compute) or Org Management (org-management), the users retain read-only privileges. You must manually assign the new privileges to the custom role.







## CHAPTER 5

# Related Documentation

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- [Related Documentation, on page 37](#)
- [Related Documentation, on page 37](#)

## Related Documentation

For more information, you can access related documents from the [Cisco UCS Documentation Roadmap](#).

### Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see What's New in Cisco Product Documentation at:  
<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>.

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## Related Documentation

For more information, you can access related documents from the [Cisco UCS Documentation Roadmap](#).

### Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see What's New in Cisco Product Documentation at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>.

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