Cisco UCS Manager 3.2 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 UCS management connectivity: HTTP, HTTPs, SSH, telnet, CIM, WS-MAN, event channel security.
- Configure DNS providers and DNS domain.
- Configure SNMP policy, SNMP users, SNMP trap destinations.
- 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.
- Configure Key Ring. Import certificates of trusted authorities. Generate and import Certificates.

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:

- Configure Ethernet Link Profile and LACP policy.

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

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

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:

- All tasks inherited from privilege: ext-san-qos

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:

- All tasks inherited from privilege: ext-san-policy

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

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

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:

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

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:

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

- Create/modify/delete Service Profiles/Templates. Assign policies to Service Profiles. Acknowledge service profile pending tasks.
- Configure iSCSI boot parameters.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Configure power policies and power placement.

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:

- Associate and Disassociate Service Profiles.
- Configure VMware vCenter connections, datacenters, folders, switch.
- Create/modify/delete local storage policies (disks and LUNs).
- Configure SAN connectivity policies. Configure Service Profile vHBAs and add/remove VSANs on vHBAs.
- Configure VMware vCenter cryptographic keys.
- Configure vNIC behavior policy when vNICs are not explicitly defined.
- Configure Service Profile iSCSI vNICs.
- Configure Service Profile scriptable vMedia policies.
- Configure LAN connectivity policies. Configure Service Profile vNICs and add/remove VLANs on vNICs.
- Assign storage profiles to Service Profiles.
- Create/modify/delete Service Profile dynamic vNICs within a Service Profile.
- Configure FC group templates.
- Configure Service Profile BIOS policies.
- Configure schedules. Schedules can be used to trigger one-time or periodic tasks in the future.
- Configure power policies and power placement.
- Configure Service Profile scriptable vMedia.
- Assign port profiles to Distributed Virtual Switches.
- Create/modify/delete Service Profile maintenance policies.
- Configure the vNIC/vHBA placement of a Service Profile.
- Perform maintenance tasks on local disks, local LUNs and remote LUNs.
- Configure Service Profile vNICs storage initiator autoconfig policies.
- Configure vHBA behavior policy when vHBAs are not explicitly defined.

- Configure Inband CIMC IP connectivity.
- Create/modify/delete Service Profiles/Templates. Assign policies to Service Profiles. Acknowledge service profile pending tasks.
- Configure iSCSI boot parameters.
- Configure Storage Profiles. Assign storage profiles to Service Profiles.
- Within a service profile, specify if vNICs/vHBAs should be inherited from the hardware when vNICs/vHBAs are not explicitly defined.

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:

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

Service Profile Ext Access (ls-ext-access)

This privilege allows service profile end point access.

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

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 Service Profile dynamic vNICs within a Service Profile.
- Configure Ethernet server ports on the Fabric Interconnect.
- Configure VMQ policies.
- Create/modify/delete Network Control policies.
- Create/modify/delete Service Profile dynamic vNIC policies.
- Configure pools of IP addresses.
- Create/modify/delete vNIC/vHBA placement.

- Reset IO Module and FEX. Set IO Module/FEX labels.
- Specify the allowed range for virtual MAC addresses.
- Configure pools of MAC addresses.

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:

- All tasks inherited from privilege: ls-security-policy

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 (ls-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:

- Associate and Disassociate Service Profiles.
- Create/modify/delete local storage policies (disks and LUNs).
- Configure SAN connectivity policies. Configure Service Profile vHBAs and add/remove VSANs on vHBAs.
- Configure vNIC behavior policy when vNICs are not explicitly defined.
- Configure Service Profile iSCSI vNICs.
- Configure Service Profile scriptable vMedia policies.
- Configure LAN connectivity policies. Configure Service Profile vNICs and add/remove VLANs on vNICs.
- Assign storage profiles to Service Profiles.

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

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:

- Associate and Disassociate Service Profiles.
- Configure Service Profile scriptable vMedia.
- Create/modify/delete FC adapter policies.
- Control the power state of a Service Profile.

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

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

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:

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

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:

- Configure the logging level for debug log files on the Fabric Interconnect.
- Configure whether config, firmware and monitoring policies are resolved locally or through UCS Central.
- Configure the Catalog pack, specifying which catalog to be used.
- Acknowledge faults.
- Configure the statistics collection policies.
- Create/modify/delete stats threshold policies.
- Configure log file export policies. Export log files.
- Configure the Syslog feature.

- Clear or backup SEL log files (FEX, IO Module, CIMC). Configure SEL log policy.
- Generate and download Tech Support files.
- Configure core file export policies. Download core files.

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:

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

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:

- Enable/Disable Ethernet ports on a Fabric Interconnect or IO Module. Set port labels.
- Configure diagnostics.
- Acknowledge Chassis and IO Module. Set Chassis labels and chassis IDs.
- Configure locator, indicator, beacon and health LEDs.
- Control the power state of a Service Profile.
- Perform server maintenance operations: reset CIMC, reset KVM server, reset CMOS, perform diagnostic interrupt, reset server. Set blade and rack server labels.
- Enable/Disable mapping out of black-listed DIMMs. Reset server DIMM errors.
- Reset IO Module and FEX. Set IO Module/FEX labels.
- Enable/Disable Ethernet/FC/iSCSI ports and port channels on a server adapter. Set port/port channel label.
- 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.
- Assign port profiles to Distributed Virtual Switches.
- Configure Virtual Machine and Virtual Machine vNIC retention policy.
- Configure VMware vCenter cryptographic keys.
- Acknowledge Chassis and IO Module. Set Chassis labels and chassis IDs.
- Configure locator, indicator, beacon and health LEDs.
- Control the power state of a Service Profile.
- Perform server maintenance operations: reset CIMC, reset KVM server, reset CMOS, perform diagnostic interrupt, reset server. Set blade and rack server labels.
- Run diagnostics.
- 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.
- Acknowledge, decommission, recommission and recover blade servers and rack servers.
- Configure UUID pools.
- Configure server pools, server pool policies, and server pool qualification policies.
- Control power state of network adaptors.
- Configure Service Profile BIOS policies.
- Configure DIMM black listing policy.
- Configure whether server/chassis discovery policies can be resolved through UCS Central.
- Configure Service Profile disk and BIOS scrub policies.
- Reset IO Module and FEX. Set IO Module/FEX labels.
- Configure server/chassis discovery, acknowledgement and connectivity policies. Configure blade inheritance and auto-configuration policy.

Server Security (pn-security)

This privilege is currently not used.

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.