



# Configuring Role-Based Access Control

---

This chapter includes the following sections:

- [Role-Based Access Control](#), page 1
- [User Accounts for Cisco UCS Manager](#), page 1
- [User Roles](#), page 4
- [User Locales](#), page 8
- [Configuring User Roles](#), page 9
- [Configuring Locales](#), page 11
- [Configuring User Accounts](#), page 13
- [Monitoring User Sessions](#), page 19

## Role-Based Access Control

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 access. Because users are not directly assigned privileges, management of individual user privileges is simply a matter of assigning the appropriate roles and locales.

A user is granted write access to desired system resources only if the assigned role grants the access privileges and the assigned locale allows access. For example, a user with the Server Administrator role in the Engineering organization could update server configurations in the Engineering organization but could not update server configurations in the Finance organization unless the locales assigned to the user include the Finance organization.

## User Accounts for Cisco UCS Manager

User accounts are used to access the system. Up to 48 user accounts can be configured in each Cisco UCS instance. Each user account must have a unique username and password.

A user account can be set with a SSH public key. The public key can be set in either of the two formats: OpenSSH and SECSH.

### Default User Account

Each Cisco UCS instance has a default user account, admin, which cannot be modified or deleted. This account is the system administrator or superuser account and has full privileges. There is no default password assigned to the admin account; you must choose the password during the initial system setup.

The admin account is always active and does not expire. You cannot configure the admin account as inactive.

### Local User Accounts

Local user accounts are authenticated directly through the fabric interconnect and can be enabled or disabled by anyone with admin or aaa privileges. Once a local user account is disabled, the user cannot log in. Configuration details for disabled local user accounts are not deleted by the database. If you re-enable a disabled local user account, the account becomes active again with the existing configuration, including username and password.

### Remote User Accounts

A remotely authenticated user account is any user account that is authenticated through LDAP, RADIUS, or TACACS+.

If a user maintains a local user account and a remote user account simultaneously, the roles defined in the local user account override those maintained in the remote user account.

### Expiration of User Accounts

User accounts can be configured to expire at a predefined time. When the expiration time is reached, the user account is disabled.

By default, user accounts do not expire.

**Note**

---

After you configure a user account with an expiration date, you cannot reconfigure the account to not expire. You can, however, configure the account with the latest date available.

---

## Guidelines for Cisco UCS Manager Usernames

The username is also used as the login ID for Cisco UCS Manager. When you assign usernames to Cisco UCS Manager user accounts, consider the following guidelines and restrictions:

- The login ID can contain between 1 and 32 characters, including the following:
  - Any alphabetic character
  - Any digit
  - \_ (underscore)
  - - (dash)
  - . (dot)
- The unique username for each user account cannot be all-numeric. You cannot create a local user with an all-numeric username.

- The unique username must start with an alphabetic character. It cannot start with a number or a special character, such as an underscore.

After you create a user account, you cannot change the username. You must delete the user account and create a new one.

## Reserved Words: Local User Accounts

The following words cannot be used when creating a local user account in Cisco UCS Manager.

- root
- bin
- daemon
- adm
- ip
- sync
- shutdown
- halt
- news
- uucp
- operator
- games
- gopher
- nobody
- nscd
- mailnull
- mail
- rpcuser
- rpc
- mtsuser
- ftpuser
- ftp
- man
- sys
- samdme
- debug

## Guidelines for Cisco UCS Manager Passwords

A password is required for each locally authenticated user account. A user with admin or aaa privileges can configure Cisco UCS Manager to perform a password strength check on user passwords. If the password strength check is enabled, each user must have a strong password.

Cisco recommends that each user have a strong password. If you enable the password strength check for locally authenticated users, Cisco UCS Manager rejects any password that does not meet the following requirements:

- Must contain a minimum of 8 characters and a maximum of 64 characters.
- Must contain at least three of the following:
  - Lower case letters
  - Upper case letters
  - Digits
  - Special characters
- Must not contain a character that is repeated more than 3 times consecutively, such as aaabbb.
- Must not be identical to the username or the reverse of the username.
- Must pass a password dictionary check. For example, the password must not be based on a standard dictionary word.
- Must not contain the following symbols: \$ (dollar sign), ? (question mark), and = (equals sign).
- Should not be blank for local user and admin accounts.

## Web Session Limits for User Accounts

Web session limits are used by Cisco UCS Manager to restrict the number of web sessions (both GUI and XML) a given user account is permitted to access at any one time.

By default, the number of concurrent web sessions allowed by Cisco UCS Manager is set to 32; although this value can be configured up to the system maximum of 256.

## User Roles

User roles contain one or more privileges that define the operations allowed for the user who is assigned the role. A user can be assigned one or more roles. A user assigned multiple roles has the combined privileges of all assigned roles. For example, if Role1 has storage related privileges, and Role2 has server related privileges, users who are assigned to both Role1 and Role2 have storage and server related privileges.

A Cisco UCS instance can contain up to 48 user roles, including the default user roles.

All roles include read access to all configuration settings in the Cisco UCS instance. The difference between the read-only role and other roles is that a user who is only assigned the read-only role cannot modify the system state. A user assigned another role can modify the system state in that user's assigned area or areas.

Roles can be created, modified to add new or remove existing privileges, or deleted. When a role is modified, the new privileges are applied to all users assigned to that role. Privilege assignment is not restricted to the privileges defined for the default roles. That is, you can use a custom set of privileges to create a unique role. For example, the default Server Administrator and Storage Administrator roles have different set of privileges, but a new Server and Storage Administrator role can be created that combines the privileges of both roles.

If a role is deleted after it has been assigned to users, it is also deleted from those user accounts.

User profiles on AAA servers (RADIUS or TACACS+) should be modified to add the roles corresponding to the privileges granted to that user. The attribute is used to store the role information. The AAA servers return this attribute with the request and parse it to get the roles. LDAP servers return the roles in the user profile attributes.

**Note**

---

If a local user account and a remote user account have the same username, any roles assigned to the remote user are overridden by those assigned to the local user.

---

## Default User Roles

The system contains the following default user roles:

**AAA Administrator**

Read-and-write access to users, roles, and AAA configuration. Read access to the rest of the system.

**Administrator**

Complete read-and-write access to the entire system. The default admin account is assigned this role by default and it cannot be changed.

**Facility Manager**

Read-and-write access to power management operations through the power-mgmt privilege. Read access to the rest of the system.

**Network Administrator**

Read-and-write access to fabric interconnect infrastructure and network security operations. Read access to the rest of the system.

**Operations**

Read-and-write access to systems logs, including the syslog servers, and faults. Read access to the rest of the system.

**Read-Only**

Read-only access to system configuration with no privileges to modify the system state.

**Server Equipment Administrator**

Read-and-write access to physical server related operations. Read access to the rest of the system.

**Server Profile Administrator**

Read-and-write access to logical server related operations. Read access to the rest of the system.

**Server Security Administrator**

Read-and-write access to server security related operations. Read access to the rest of the system.

**Storage Administrator**

Read-and-write access to storage operations. Read access to the rest of the system.

## Reserved Words: User Roles

The following words cannot be used when creating custom roles in Cisco UCS Manager.

- network-admin
- network-operator
- vdc-admin
- vdc-operator
- server-admin

## Privileges

Privileges give users assigned to user roles access to specific system resources and permission to perform specific tasks. The following table lists each privilege and the user role given that privilege by default.

**Table 1: User Privileges**

| Privilege        | Description                | Default Role Assignment |
|------------------|----------------------------|-------------------------|
| aaa              | System security and AAA    | AAA Administrator       |
| admin            | System administration      | Administrator           |
| ext-lan-config   | External LAN configuration | Network Administrator   |
| ext-lan-policy   | External LAN policy        | Network Administrator   |
| ext-lan-qos      | External LAN QoS           | Network Administrator   |
| ext-lan-security | External LAN security      | Network Administrator   |
| ext-san-config   | External SAN configuration | Storage Administrator   |
| ext-san-policy   | External SAN policy        | Storage Administrator   |
| ext-san-qos      | External SAN QoS           | Storage Administrator   |

| Privilege                       | Description   | Default Role Assignment        |
|---------------------------------|---|--------------------------------|
| ext-san-security                | External SAN security   | Storage Administrator          |
| fault                           | Alarms and alarm policies   | Operations                     |
| operations                      | Logs and Smart Call Home  | Operations                     |
| pod-config                      | Pod configuration   | Network Administrator          |
| pod-policy                      | Pod policy  | Network Administrator          |
| pod-qos                         | Pod QoS   | Network Administrator          |
| pod-security                    | Pod security  | Network Administrator          |
| power-mgmt                      | Read-and-write access to power management operations  | Facility Manager               |
| read-only                       | Read-only access<br>Read-only cannot be selected as a privilege; it is assigned to every user role. | Read-Only                      |
| server-equipment                | Server hardware management  | Server Equipment Administrator |
| server-maintenance              | Server maintenance  | Server Equipment Administrator |
| server-policy                   | Server policy   | Server Equipment Administrator |
| server-security                 | Server security   | Server Security Administrator  |
| service-profile-config          | Service profile configuration   | Server Profile Administrator   |
| service-profile-config-policy   | Service profile configuration policy  | Server Profile Administrator   |
| service-profile-ext-access      | Service profile end point access  | Server Profile Administrator   |
| service-profile-network         | Service profile network   | Network Administrator          |
| service-profile-network-policy  | Service profile network policy  | Network Administrator          |
| service-profile-qos             | Service profile QoS   | Network Administrator          |
| service-profile-qos-policy      | Service profile QoS policy  | Network Administrator          |
| service-profile-security        | Service profile security  | Server Security Administrator  |
| service-profile-security-policy | Service profile security policy   | Server Security Administrator  |

| Privilege                      | Description                       | Default Role Assignment       |
|--------------------------------|-----------------------------------|-------------------------------|
| service-profile-server         | Service profile server management | Server Profile Administrator  |
| service-profile-server-oper    | Service profile consumer          | Server Profile Administrator  |
| service-profile-server-policy  | Service profile pool policy       | Server Security Administrator |
| service-profile-storage        | Service profile storage           | Storage Administrator         |
| service-profile-storage-policy | Service profile storage policy    | Storage Administrator         |

## User Locales

A user can be assigned one or more locales. Each locale defines one or more organizations (domains) the user is allowed access, and access would be limited to the organizations specified in the locale. One exception to this rule is a locale without any organizations, which gives unrestricted access to system resources in all organizations.

A Cisco UCS instance can contain up to 48 user locales.

Users with AAA privileges (AAA Administrator role) can assign organizations to the locale of other users. The assignment of organizations is restricted to only those in the locale of the user assigning the organizations. For example, if a locale contains only the Engineering organization then a user assigned that locale can only assign the Engineering organization to other users.



### Note

You cannot assign a locale to users with one or more of the following privileges:

- aaa
- admin
- operations

You can hierarchically manage organizations. A user that is assigned at a top level organization has automatic access to all organizations under it. For example, an Engineering organization can contain a Software Engineering organization and a Hardware Engineering organization. A locale containing only the Software Engineering organization has access to system resources only within that organization; however, a locale that contains the Engineering organization has access to the resources for both the Software Engineering and Hardware Engineering organizations.

# Configuring User Roles

## Creating a User Role

### Procedure

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, expand **All > User Management > User Services**.
- Step 3** Right-click **User Services** and choose **Create Role**.  
You can also right-click **Roles** to access that option.
- Step 4** In the **Create Role** dialog box, complete the following fields:

| Name                | Description   |
|---------------------|---|
| Name field          | A user-defined name for this user role.<br><br>This name can be between 1 and 16 alphanumeric characters. You cannot use spaces or any special characters, and you cannot change this name after the object has been saved. |
| Privileges list box | A list of the privileges defined in the system.<br><br>Click a privilege to view a description of that privilege. Check the check box to assign that privilege to the selected user.  |
| Help Section        |   |
| Description field   | A description of the most recent privilege you clicked in the <b>Privileges</b> list box.   |

- Step 5** Click **OK**.

## Adding Privileges to a User Role

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
  - Step 2** On the **Admin** tab, expand **All > User Management > User Services**.
  - Step 3** Expand the **Roles** node.
  - Step 4** Choose the role to which you want to add privileges.
  - Step 5** In the **General** tab, check the boxes for the privileges you want to add to the role.
  - Step 6** Click **Save Changes**.
- 

## Removing Privileges from a User Role

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
  - Step 2** On the **Admin** tab, expand **All > User Management > User Services**.
  - Step 3** Expand the **Roles** node.
  - Step 4** Choose the role from which you want to remove privileges.
  - Step 5** In the **General** tab, uncheck the boxes for the privileges you want to remove from the role.
  - Step 6** Click **Save Changes**.
- 

## Deleting a User Role

When you delete a user role, Cisco UCS Manager removes that role from all user accounts to which the role has been assigned.

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
  - Step 2** On the **Admin** tab, expand **All > User Management > User Services**.
  - Step 3** Expand the **Roles** node.
  - Step 4** Right-click the role you want to delete and choose **Delete**.
  - Step 5** In the **Delete** dialog box, click **Yes**.
-

# Configuring Locales

## Creating a Locale

### Before You Begin

One or more organizations must exist before you create a locale.

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, expand **All > User Management > User Services**.
- Step 3** Right-click **Locales** and choose **Create a Locale**.
- Step 4** In the **Create Locale** page, do the following:
- In the **Name** field, enter a unique name for the locale.  
This name can be between 1 and 16 alphanumeric characters. You cannot use spaces or any special characters, and you cannot change this name after the object has been saved.
  - Click **Next**.
- Step 5** In the **Assign Organizations** dialog box, do the following:
- Expand the **Organizations** area to view the organizations in the Cisco UCS instance.
  - Expand the **root** node to see the sub-organizations.
  - Click an organization that you want to assign to the locale.
  - Drag the organization from the **Organizations** area and drop it into the design area on the right.
  - Repeat Steps b and c until you have assigned all desired organizations to the locale.
- Step 6** Click **Finish**.
- 

### What to Do Next

Add the locale to one or more user accounts. For more information, see [Changing the Locales Assigned to a Locally Authenticated User Account](#), on page 17.

## Assigning an Organization to a Locale

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, expand **All > User Management > User Services**.
- Step 3** Expand the **Locales** node and click the locale to which you want to add an organization.
- Step 4** In the **Work** pane, click the **General** tab.
- Step 5** In the **Organizations** area, click + on the table icon bar.
- Step 6** In the **Assign Organizations** dialog box, do the following:
- Expand the **Organizations** area to view the organizations in the Cisco UCS instance.
  - Expand the **root** node to see the sub-organizations.
  - Click an organization that you want to assign to the locale.
  - Drag the organization from the **Organizations** area and drop it into the design area on the right.
  - Repeat Steps b and c until you have assigned all desired organizations to the locale.
- Step 7** Click **OK**.
- 

## Deleting an Organization from a Locale

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, expand **All > User Management > User Services**.
- Step 3** Expand the **Locales** node and click the locale from which you want to delete an organization.
- Step 4** In the **Work** pane, click the **General** tab.
- Step 5** In the **Organizations** area, right-click the organization that you want to delete from the locale and choose **Delete**.
- Step 6** Click **Save Changes**.
-

## Deleting a Locale

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
  - Step 2** On the **Admin** tab, expand **All > User Management > User Services**.
  - Step 3** Expand the **Locales** node.
  - Step 4** Right-click the locale you want to delete and choose **Delete**.
  - Step 5** If Cisco UCS Manager GUI displays a confirmation dialog box, click **Yes**.
- 

## Configuring User Accounts

### Creating a User Account

At a minimum, we recommend that you create the following users:

- Server administrator account
- Network administrator account
- Storage administrator

### Before You Begin

Perform the following tasks, if the system includes any of the following:

- Remote authentication services, ensure the users exist in the remote authentication server with the appropriate roles and privileges.
- Multi-tenancy with organizations, create one or more locales. If you do not have any locales, all users are created in root and are assigned roles and privileges in all organizations.
- SSH authentication, obtain the SSH key.

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, expand **All > User Management > User Services**.
- Step 3** Right-click **User Services** and choose **Create User** to open the **User Properties** dialog box. You can also right-click **Locally Authenticated Users** to access that option.
- Step 4** Complete the following fields with the required information about the user:

| Name                    | Description  |
|-------------------------|--|
| <b>Login ID</b> field   | <p>The account name that is used when logging into this account. This account must be unique and meet the guidelines and restrictions for Cisco UCS Manager user accounts.</p> <ul style="list-style-type: none"> <li>• The login ID can contain between 1 and 32 characters, including the following: <ul style="list-style-type: none"> <li>◦ Any alphabetic character</li> <li>◦ Any digit</li> <li>◦ _ (underscore)</li> <li>◦ - (dash)</li> <li>◦ . (dot)</li> </ul> </li> <li>• The unique username for each user account cannot be all-numeric. You cannot create a local user with an all-numeric username.</li> <li>• The unique username must start with an alphabetic character. It cannot start with a number or a special character, such as an underscore.</li> </ul> <p>After you save the user, the login ID cannot be changed. You must delete the user account and create a new one.</p> |
| <b>First Name</b> field | The first name of the user. This field can contain up to 32 characters.  |
| <b>Last Name</b> field  | The last name of the user. This field can contain up to 32 characters.   |
| <b>Email</b> field      | The email address for the user.  |
| <b>Phone</b> field      | The telephone number for the user.   |

| Name                             | Description  |
|----------------------------------|--|
| <b>Password field</b>            | <p>The password associated with this account. If password strength check is enabled, a user's password must be strong and Cisco UCS Manager rejects any password that does not meet the following requirements:</p> <ul style="list-style-type: none"> <li>• Must contain a minimum of 8 characters and a maximum of 64 characters.</li> <li>• Must contain at least three of the following: <ul style="list-style-type: none"> <li>◦ Lower case letters</li> <li>◦ Upper case letters</li> <li>◦ Digits</li> <li>◦ Special characters</li> </ul> </li> <li>• Must not contain a character that is repeated more than 3 times consecutively, such as aaabbb.</li> <li>• Must not be identical to the username or the reverse of the username.</li> <li>• Must pass a password dictionary check. For example, the password must not be based on a standard dictionary word.</li> <li>• Must not contain the following symbols: \$ (dollar sign), ? (question mark), and = (equals sign).</li> <li>• Should not be blank for local user and admin accounts.</li> </ul> |
| <b>Confirm Password field</b>    | The password a second time for confirmation purposes.  |
| <b>Account Status field</b>      | If the status is set to <b>active</b> , a user can log into Cisco UCS Manager with this login ID and password.   |
| <b>Account Expires check box</b> | <p>If checked, this account expires and cannot be used after the date specified in the <b>Expiration Date</b> field.</p> <p><b>Note</b> After you configure a user account with an expiration date, you cannot reconfigure the account to not expire. You can, however, configure the account with the latest date available.</p>  |
| <b>Expiration Date field</b>     | <p>The date on which the account expires. The date should be in the format yyyy-mm-dd.</p> <p>Click the down arrow at the end of this field to view a calendar that you can use to select the expiration date.</p> <p><b>Note</b> Cisco UCS Manager GUI displays this field when you check the <b>Account Expires</b> check box.</p>   |

**Step 5** In the **Roles** area, check one or more boxes to assign roles and privileges to the user account.

**Note** Do not assign locales to users with an admin or aaa role.

**Step 6** (Optional) If the system includes organizations, check one or more check boxes in the **Locales** area to assign the user to the appropriate locales.

**Step 7** In the **SSH** area, complete the following fields:

a) In the **Type** field, do the following:

- **Password Required**—The user must enter a password when they log in.
- **Key**—SSH encryption is used when this user logs in.

b) If you chose **Key**, enter the SSH key in the **SSH data** field.

**Step 8** Click **OK**.

---

## Enabling the Password Strength Check for Locally Authenticated Users

You must be a user with admin or aaa privileges to enable the password strength check. If the password strength check is enabled, Cisco UCS Manager does not permit a user to choose a password that does not meet the guidelines for a strong password.

### Procedure

---

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

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

**Step 3** Click the **Locally Authenticated Users** node.

**Step 4** In the **Work** pane, check the **Password Strength Check** check box in the **Properties** area.

**Step 5** Click **Save Changes**.

---

## Setting the Web Session Limits for Cisco UCS Manager GUI Users

### Procedure

---

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

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

**Step 3** Click the **Communication Services** tab.

**Step 4** In the **Web Session Limits** area, complete the following fields:

| Name                                   | Description  |
|--|--|
| <b>Maximum Sessions Per User</b> field | The maximum number of concurrent HTTP and HTTPS sessions allowed for each user.<br>Enter an integer between 1 and 256.                   |
| <b>Maximum Sessions</b> field          | The maximum number of concurrent HTTP and HTTPS sessions allowed for all users within the system.<br>Enter an integer between 1 and 256. |

**Step 5** Click **Save Changes**.

---

## Changing the Locales Assigned to a Locally Authenticated User Account



**Note** Do not assign locales to users with an admin or aaa role.

---

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, expand **All > User Management > User Services > Locally Authenticated Users**.
- Step 3** Click the user account that you want to modify.
- Step 4** In the **Work** pane, click the **General** tab.
- Step 5** In the **Locales** area, do the following:
- To assign a new locale to the user account, check the appropriate check boxes.
  - To remove a locale from the user account, uncheck the appropriate check boxes.
- Step 6** Click **Save Changes**.
- 

## Changing the Roles Assigned to a Locally Authenticated User Account

Changes in user roles and privileges do not take effect until the next time the user logs in. If a user is logged in when you assign a new role to or remove an existing role from a user account, the active session continues with the previous roles and privileges.

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, expand **All > User Management > User Services > Locally Authenticated Users**.
- Step 3** Click the user account that you want to modify.
- Step 4** In the **Work** pane, click the **General** tab.
- Step 5** In the **Roles** area, do the following:
- To assign a new role to the user account, check the appropriate check boxes.
  - To remove a role from the user account, uncheck the appropriate check boxes.
- Step 6** Click **Save Changes**.
- 

## Enabling a User Account

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, expand **All > User Management > User Services > Locally Authenticated Users**.
- Step 3** Click the user that you want to enable.
- Step 4** In the **Work** pane, click the **General** tab.
- Step 5** In the **Account Status** field, click the **active** radio button.
- Step 6** Click **Save Changes**.
- 

## Disabling a User Account

### Procedure

---

- Step 1** In the **Navigation** pane, click the **Admin** tab.
- Step 2** On the **Admin** tab, expand **All > User Management > User Services > Locally Authenticated Users**.
- Step 3** Click the user that you want to disable.
- Step 4** In the **Work** pane, click the **General** tab.
- Step 5** In the **Account Status** field, click the **inactive** radio button.  
The admin user account is always set to active. It cannot be modified.
- Step 6** Click **Save Changes**.
-

## Deleting a Locally Authenticated User Account

### Procedure

- 
- Step 1** In the **Navigation** pane, click the **Admin** tab.
  - Step 2** On the **Admin** tab, expand **All > User Management > User Services**.
  - Step 3** Expand the **Locally Authenticated Users** node.
  - Step 4** Right-click the user account you want to delete and choose **Delete**.
  - Step 5** In the **Delete** dialog box, click **Yes**.
- 

## Monitoring User Sessions

You can monitor Cisco UCS Manager sessions for both locally authenticated users and remotely authenticated users, whether they logged in through the CLI or the GUI.

### Procedure

- 
- Step 1** In the **Navigation** pane, click the **Admin** tab.
  - Step 2** In the **Admin** tab, expand **All > User Management**.
  - Step 3** Click the **User Services** node.
  - Step 4** In the **Work** pane, click the **Sessions** tab.  
The tab displays the following details of user sessions:

| Name                          | Description   |
|-------------------------------|---|
| <b>Name</b> column            | The name for the session.   |
| <b>User</b> column            | The username that is involved in the session.                                       |
| <b>Fabric ID</b> column       | The fabric interconnect that the user logged in to for the session.                 |
| <b>Login Time</b> column      | The date and time the session started.  |
| <b>Terminal Type</b> column   | The kind of terminal the user is logged in through.                                 |
| <b>Host</b> column            | The IP address from which the user is logged in.                                    |
| <b>Current Session</b> column | If this column displays <b>Y</b> , the associated user session is currently active. |

