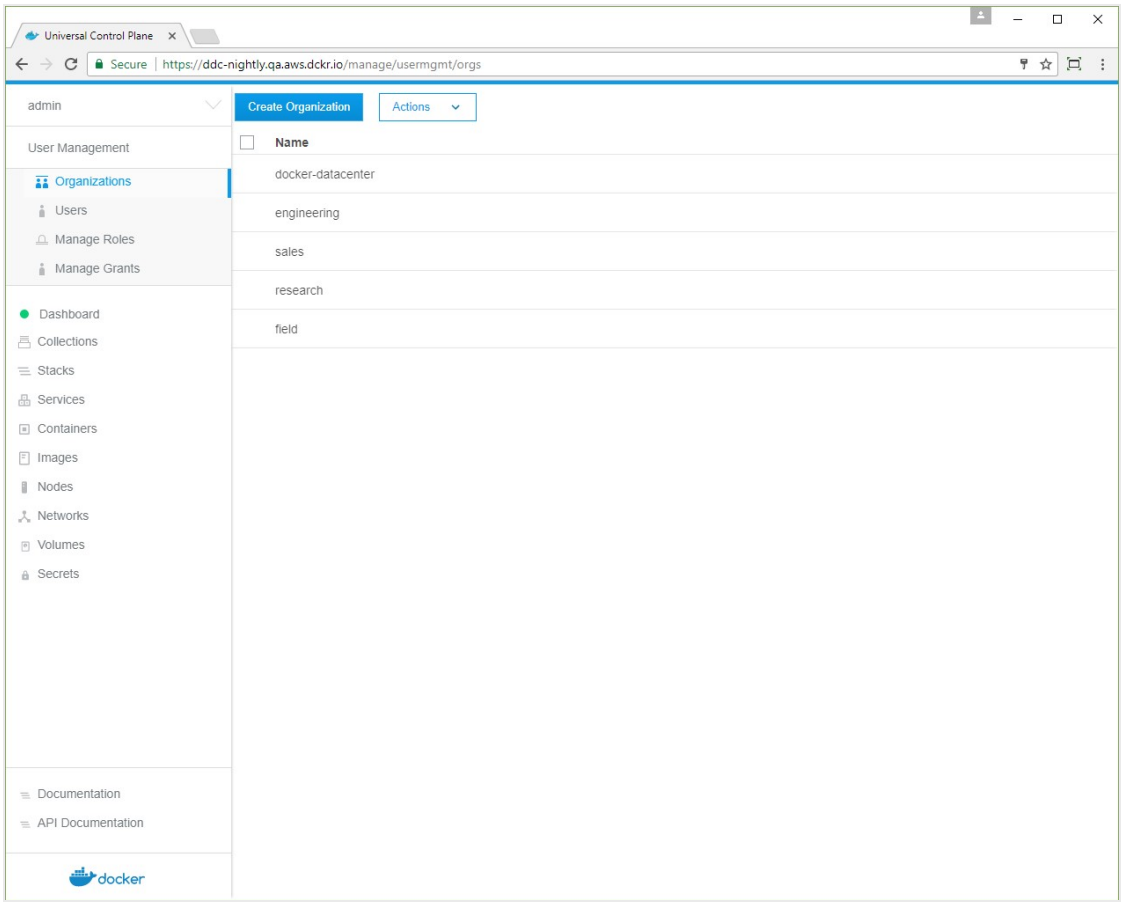
Create and manage teams

Estimated reading time: 4 minutes

> **These are the docs for UCP version 2.2.17**
>
> To select a different version, use the selector below.
>
> 2.2.17

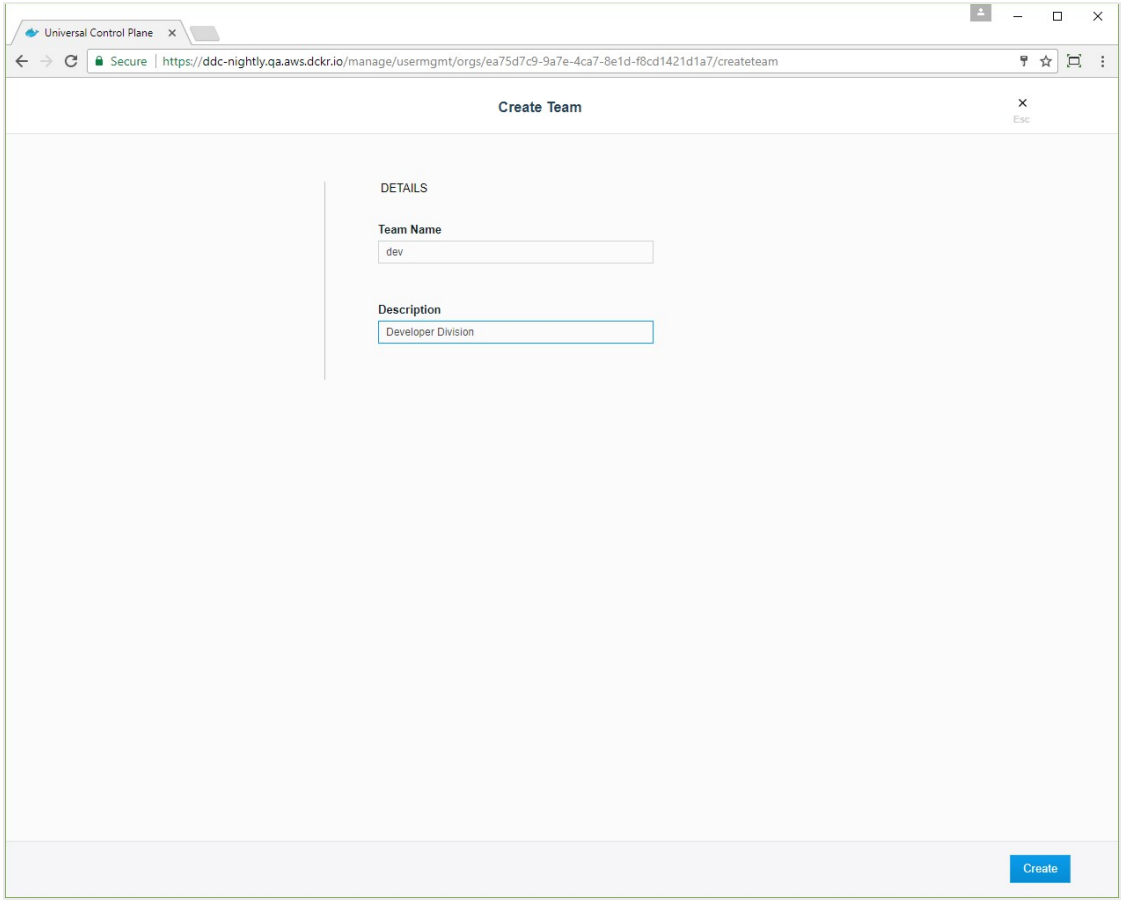
You can extend the user's default permissions by granting them fine-grained permissions over resources. You do this by adding the user to a team.

To create a new team, go to the UCP web UI, and navigate to the **Organizations** page.



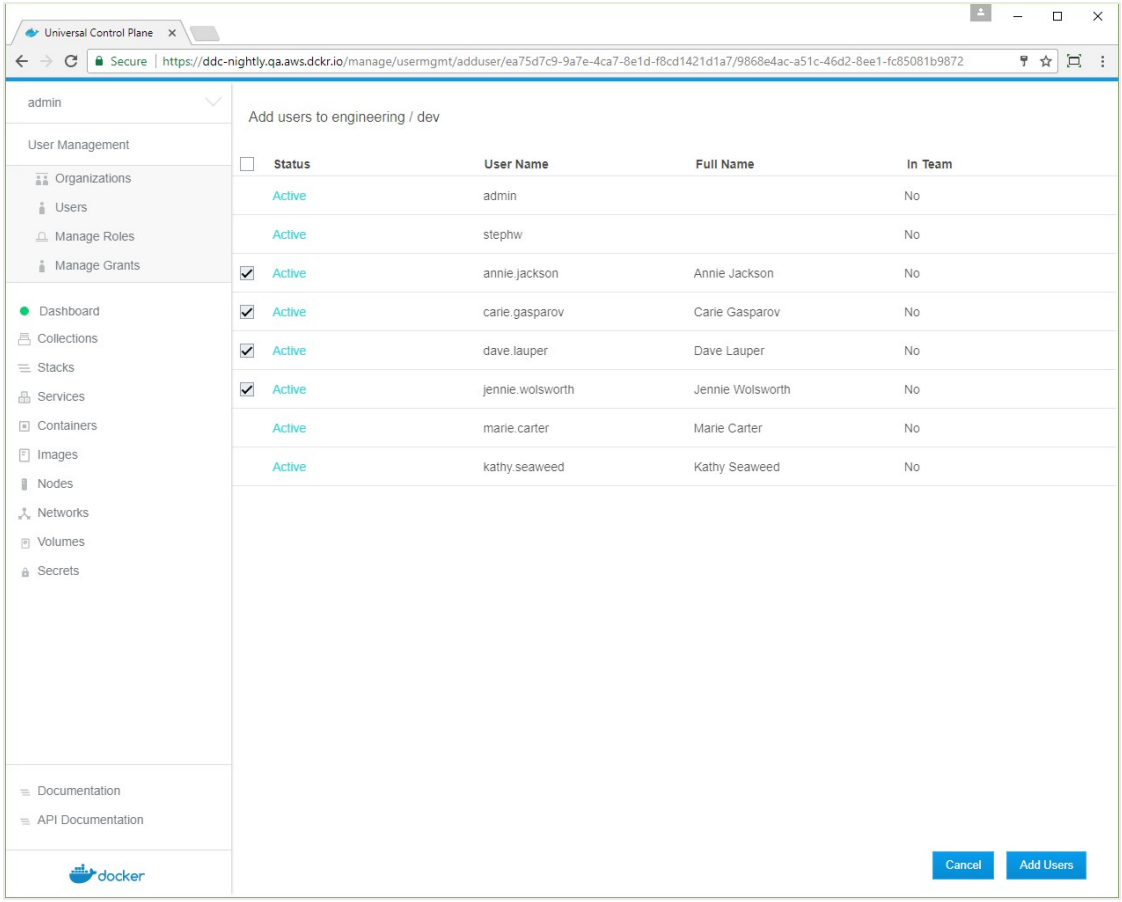
If you want to put the team in a new organization, click **Create Organization** and give the new organization a name, like "engineering". Click **Create** to create it.

In the list, click the organization where you want to create the new team. Name the team, give it an optional description, and click **Create** to create a new team.



Add users to a team

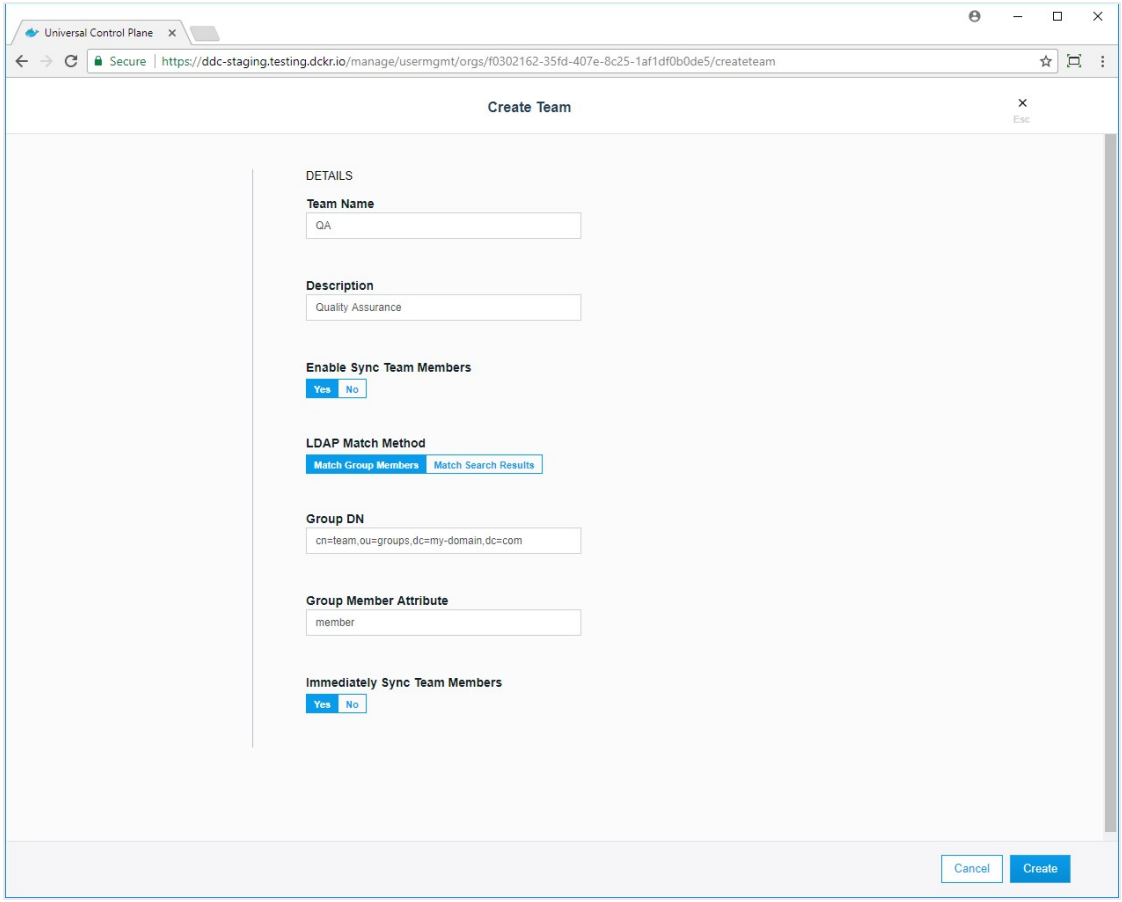
You can now add and remove users from the team. In the current organization's teams list, click the new team, and in the details pane, click **Add Users**. Choose the users that you want to add to the team, and when you're done, click **Add Users**.



Enable Sync Team Members

To sync the team with your organization's LDAP directory, click **Yes**.

If UCP is configured to sync users with your organization's LDAP directory server, you have the option to enable syncing the new team's members when creating a new team or when modifying settings of an existing team. Learn how to configure integration with an LDAP directory (https://docs.docker.com/datacenter/ucp/2.2/guides/admin/configure/external-auth/). Enabling this option expands the form with additional fields for configuring the sync of team members.



There are two methods for matching group members from an LDAP directory:

Match Group Members

This option specifies that team members should be synced directly with members of a group in your organization's LDAP directory. The team's membership will by synced to match the membership of the group.

Field	Description
Group DN	This specifies the distinguished name of the group from which to select users.
Group Member Attribute	The value of this group attribute corresponds to the distinguished names of the members of the group.

Match Search Results

This option specifies that team members should be synced using a search query against your organization's LDAP directory. The team's membership will be synced to match the users in the search results.

Field	Description
Search Base DN	The distinguished name of the node in the directory tree where the search should start looking for users.

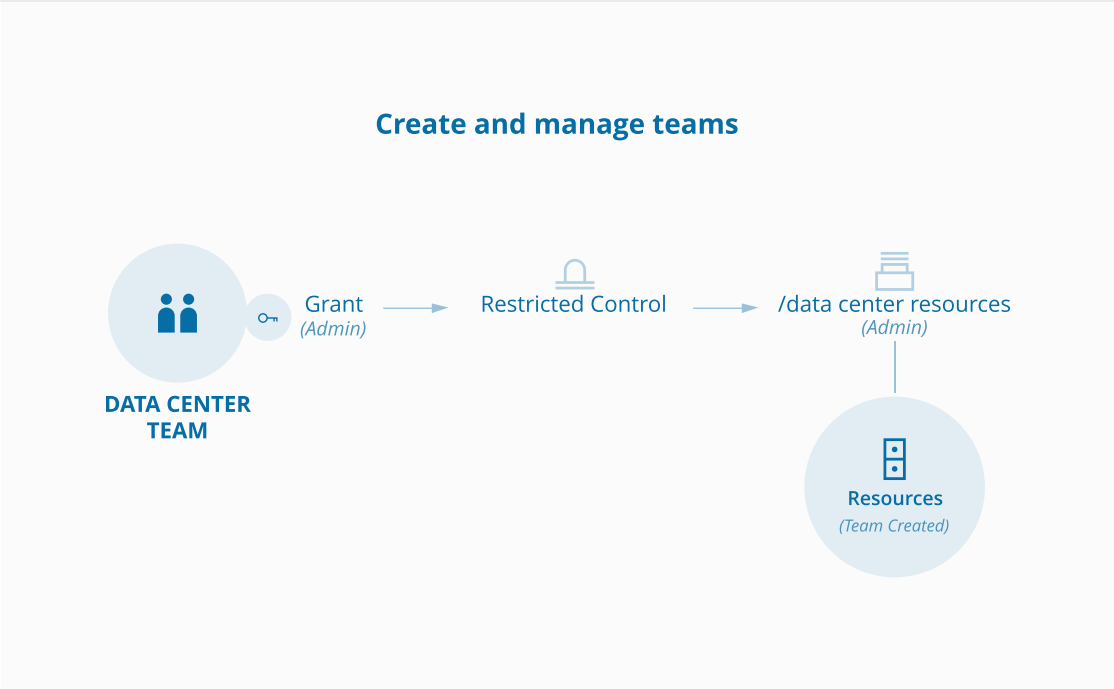
Field	Description
Search Filter	The LDAP search filter used to find users. If you leave this field empty, all existing users in the search scope will be added as members of the team.
Search subtree instead of just one level	Whether to perform the LDAP search on a single level of the LDAP tree, or search through the full LDAP tree starting at the Base DN.

Immediately Sync Team Members

Select this option to run an LDAP sync operation immediately after saving the configuration for the team. It may take a moment before the members of the team are fully synced.

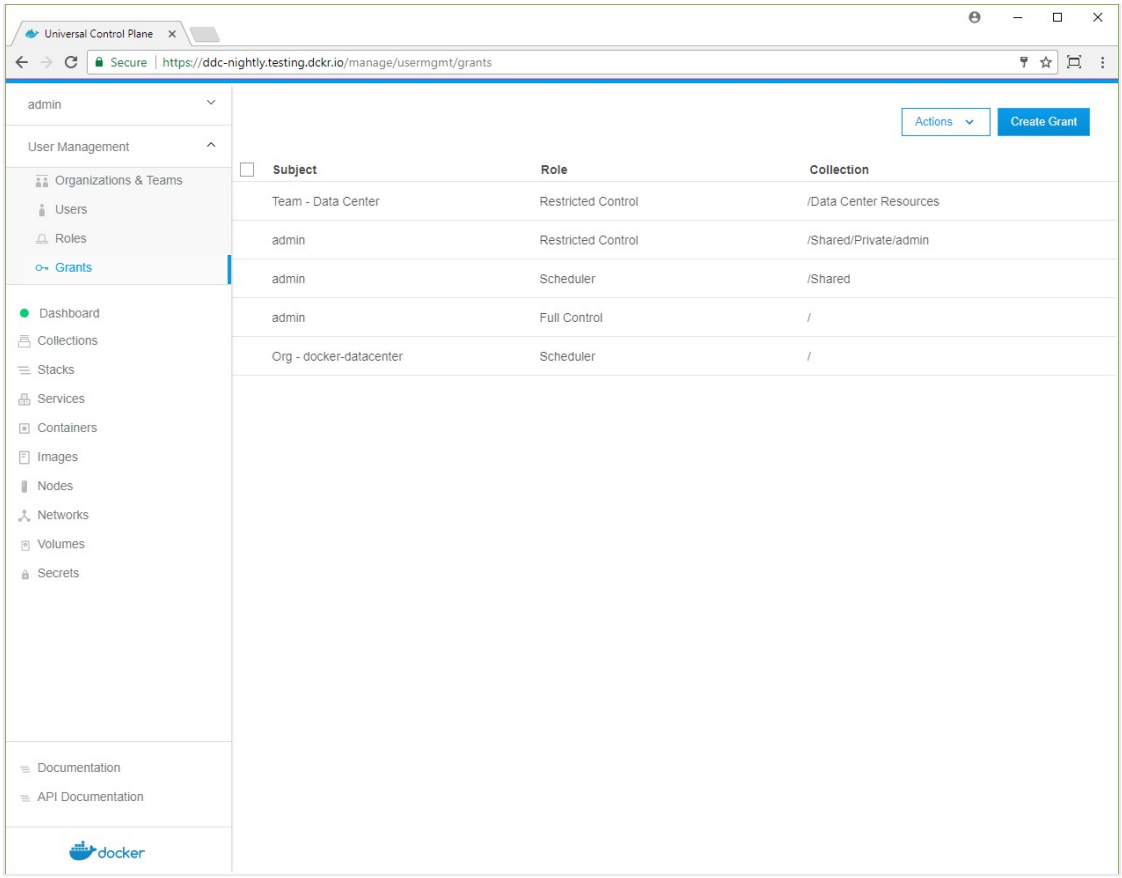
Manage team permissions

Create a grant to manage the team's permissions. Learn how to grant permissions to users based on roles (https://docs.docker.com/datacenter/ucp/2.2/guides/access-control/grant-permissions/). In this example, you create a collection for the "Data Center" team, where they can deploy services and resources, and you create a grant that gives the team permission to access the collection.



1. Navigate to the **Organizations & Teams** page.
2. Select **docker-datacenter**, and click **Create Team**. Name the team "Data Center", and click **Create**.
3. Navigate to the **Collections** page.
4. Click **Create Collection**, name the collection "Data Center Resources", and click **Create**.
5. Navigate to the **Grants** page, and click **Create Grant**.

6. Find **Swarm** in the collections list, and click **View Children**.
7. Find **Data Center Resources**, and click **Select Collection**.
8. In the left pane, click **Roles** and in the **Role** dropdown, select **Restricted Control**.
9. In the left pane, click **Subjects** and select the **Organizations** subject type.
10. In the **Organization** dropdown, select **docker-datacenter**, and in the **Teams** dropdown, select **Data Center**.
11. Click **Create** to create the grant.



In this example, you gave members of the `Data Center` team `Restricted Control` permissions to create and edit resources in the `Data Center Resources` collection.

Where to go next

- UCP permission levels (https://docs.docker.com/datacenter/ucp/2.2/guides/access-control/permission-levels/)
- Isolate volumes between two different teams (https://docs.docker.com/datacenter/ucp/2.2/guides/access-control/isolate-volumes-between-teams/)
- Isolate swarm nodes between two different teams (https://docs.docker.com/datacenter/ucp/2.2/guides/access-control/isolate-nodes-between-teams/)

authorize (https://docs.docker.com/glossary/?term=authorize), authentication (https://docs.docker.com/glossary/?term=authentication), users (https://docs.docker.com/glossary/?term=users), teams (https://docs.docker.com/glossary/?term=teams), groups (https://docs.docker.com/glossary/?term=groups), sync