Set up a Cloud Central account

Cloud Manager 3.8

NetApp
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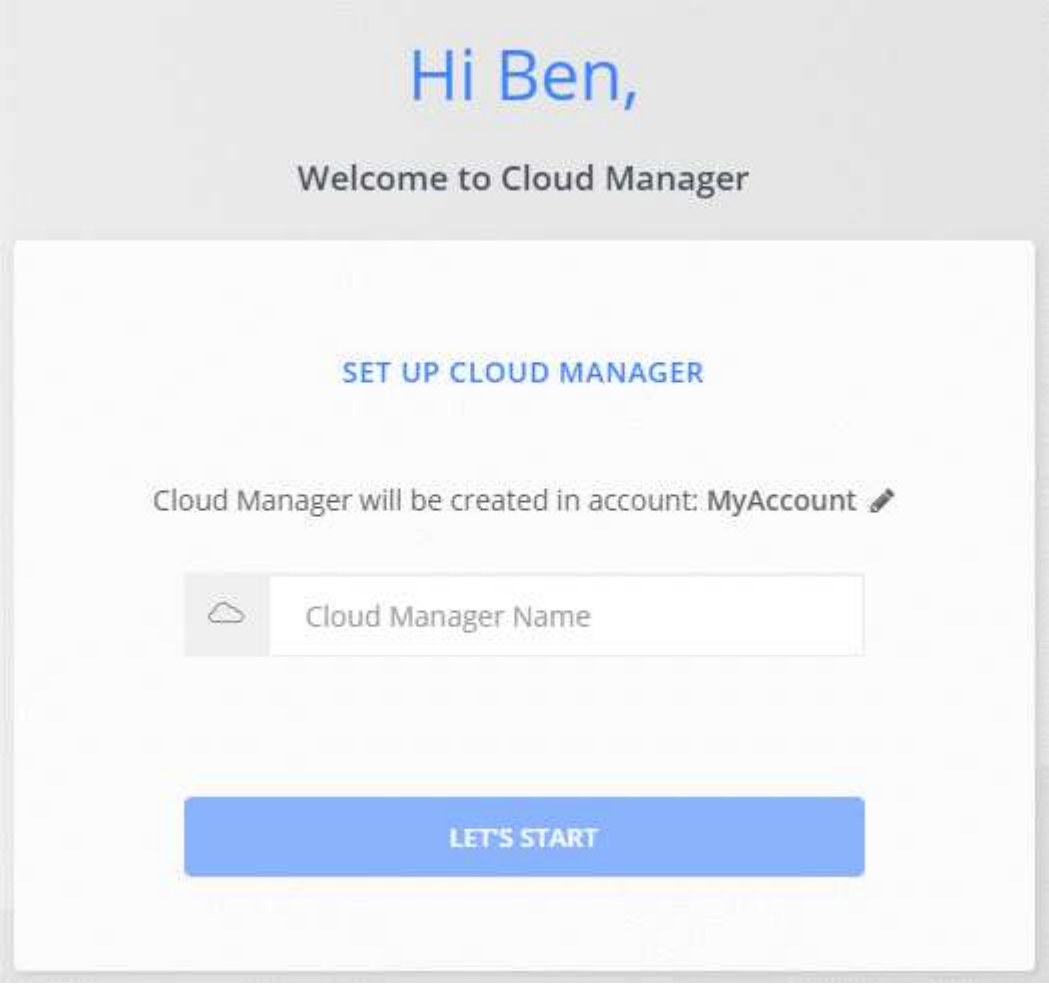
Set up a Cloud Central account

Account settings: users, workspaces, Connectors, and subscriptions

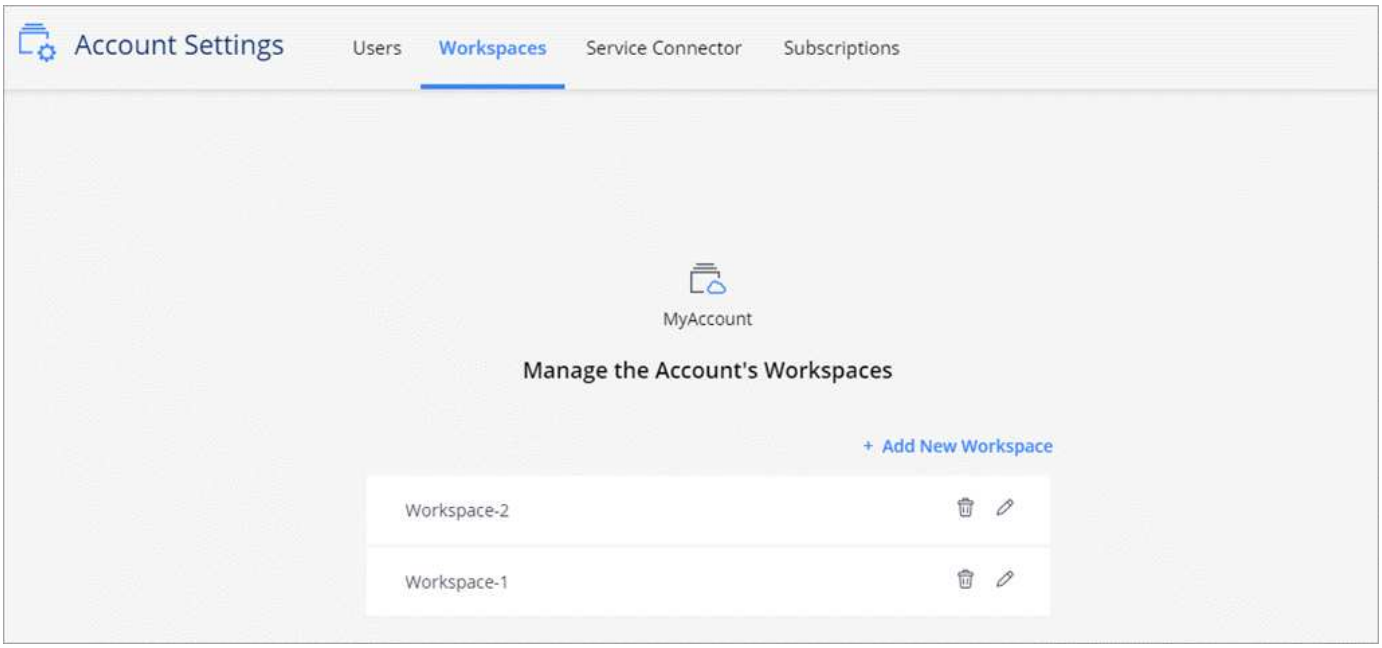
A *Cloud Central account* provides multi-tenancy and enables you to organize users and resources in isolated workspaces from within Cloud Manager.

For example, multiple users can deploy and manage Cloud Volumes ONTAP systems in isolated environments called *workspaces*. These workspaces are invisible to other users, unless they are shared.

When you first access Cloud Manager, you're prompted to select or create a Cloud Central account:



Account Admins can then modify the settings for this account by managing users, workspaces, Connectors, and subscriptions:



For step-by-step instructions, see Setting up the Cloud Central account.

Account Settings

The Account Settings widget in Cloud Manager enables Account Admins to manage a Cloud Central account. If you just created your account, then you'll start from scratch. But if you've already set up an account, then you'll see *all* the users, workspaces, Connectors, and subscriptions that are associated with the account.

Users

The users that display in the Account Settings are NetApp Cloud Central users that you associate with your Cloud Central account. Associating a user with an account and one or more workspaces in that account enables those users to create and manage working environments in Cloud Manager.

When you associate a user, you assign them a role:

- *Account Admin*: Can perform any action in Cloud Manager.
- *Workspace Admin*: Can create and manage resources in the assigned workspace.
- *Cloud Compliance Viewer*: Can only view compliance information and generate reports for systems that they have permission to access.

Workspaces

In Cloud Manager, a workspace isolates any number of *working environments* from other working environments. Workspace Admins can't access the working environments in a workspace unless the Account Admin associates the admin with that workspace.

A working environment represents a storage system:

- A single-node Cloud Volumes ONTAP system or an HA pair
- An on-premises ONTAP cluster in your network
- An ONTAP cluster in a NetApp Private Storage configuration

Connectors

A Connector enables Cloud Manager to manage resources and processes within your public cloud environment. The Connector runs on a virtual machine instance that you deploy in your cloud provider, or on an on-prem host that you configured.

You can use a Connector with more than one NetApp cloud data service. For example, if you already have a Connector for Cloud Manager, you can select it when you set up the Cloud Tiering service.

Subscriptions

The Account Settings widget shows the NetApp subscriptions associated with the selected account.

When you subscribe to Cloud Manager from a cloud provider's marketplace, you're redirected to Cloud Central where you need to save your subscription and associate it with specific accounts.

After you've subscribed, each subscription is available from the Account Settings widget. You'll only see the subscriptions that are associated with the account that you're currently viewing.

You have the option to rename a subscription and to disassociate the subscription from one or more accounts.

For example, let's say that you have two accounts and each is billed through separate subscriptions. You might disassociate a subscription from one of the accounts so the users in that account don't accidentally choose the wrong subscription when creating a Cloud Volume ONTAP working environment.

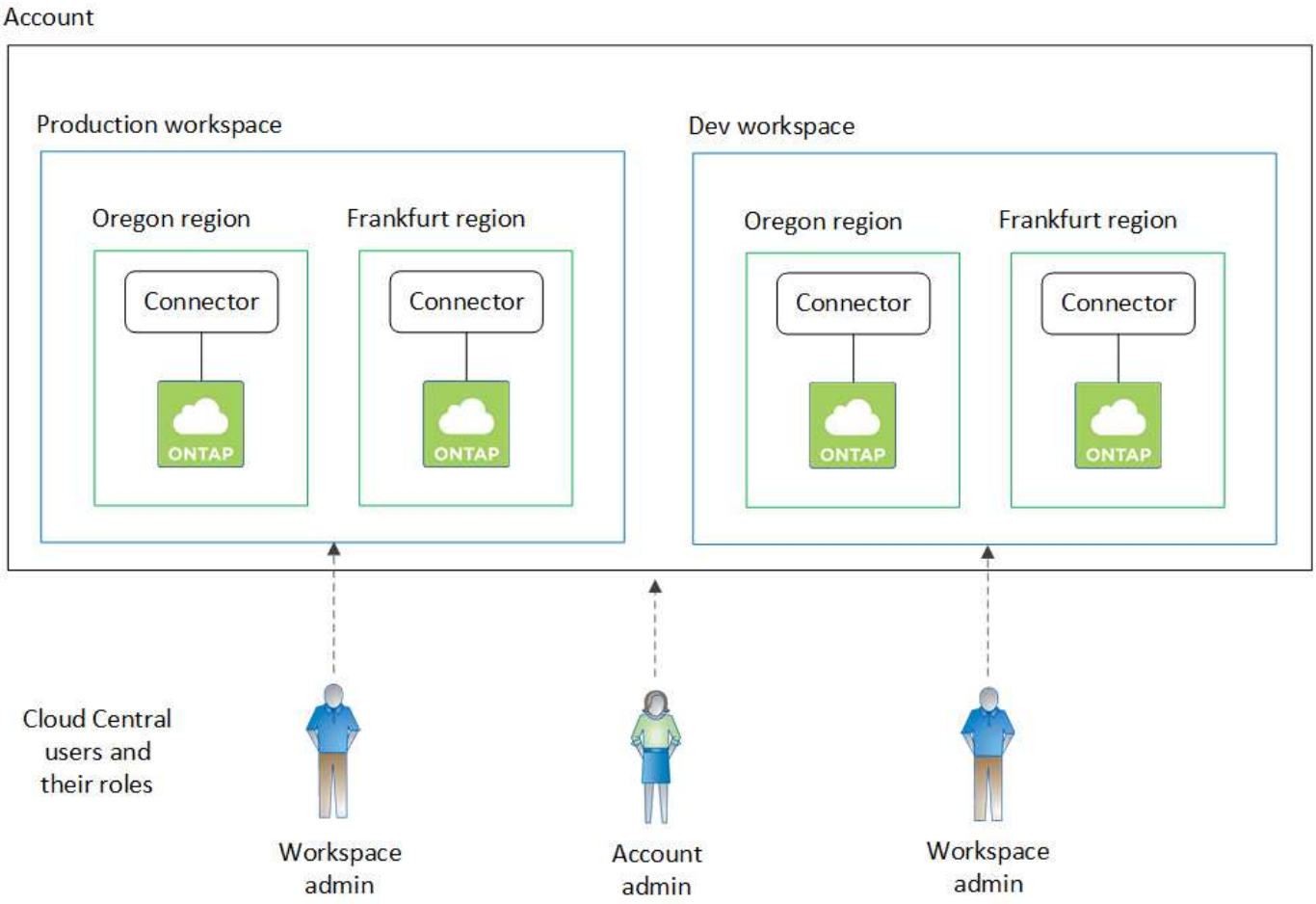
Examples

The following examples depict how you might set up your accounts.

In both example images that follow, the Connector and the Cloud Volumes ONTAP systems don't actually reside *in* the NetApp Cloud Central account—they're running in a cloud provider. This is a conceptual representation of the relationship between each component.

Example 1

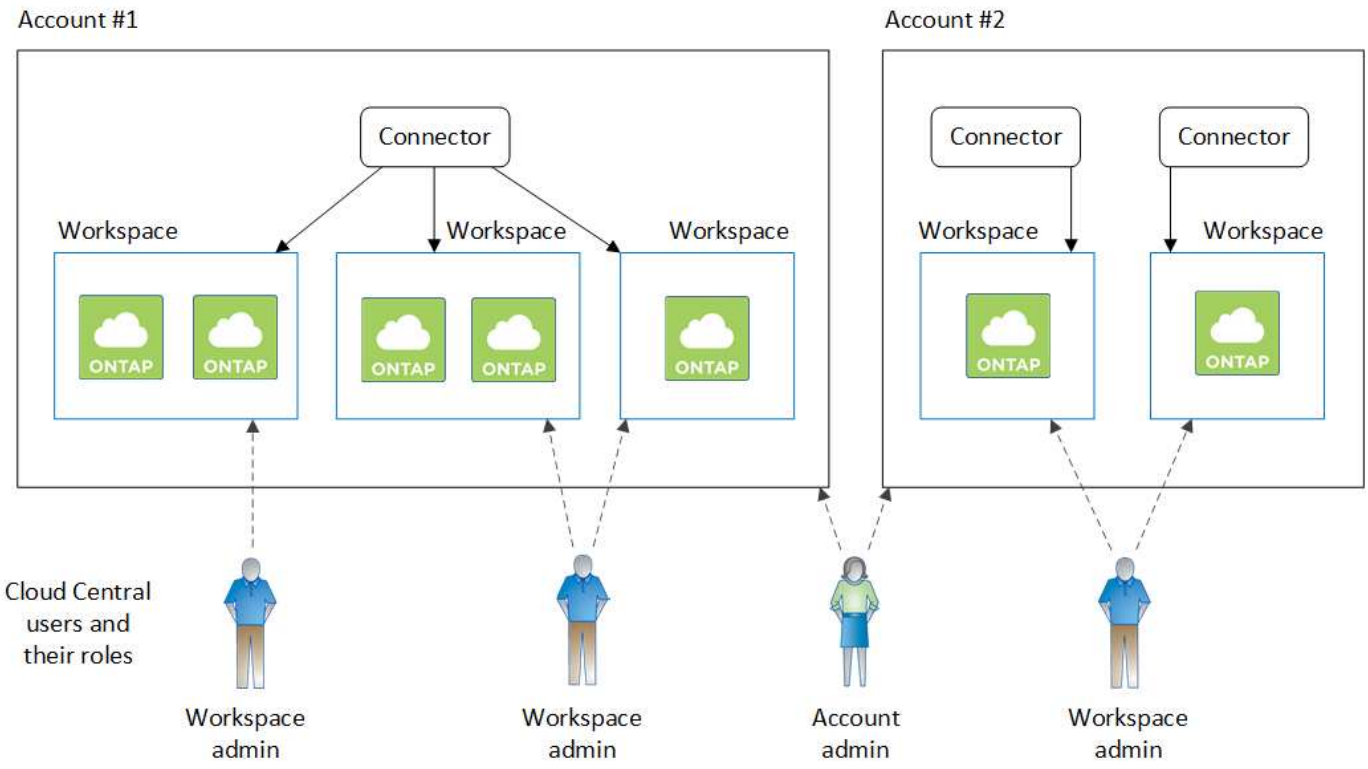
The following example shows an account that uses two workspaces to create isolated environments. The first workspace is for a production environment and the second is for a dev environment.



Example 2

Here's another example that shows the highest level of multi-tenancy by using two separate Cloud Central accounts. For example, a service provider might use Cloud Manager in one account to provide services for their customers, while using another account to provide disaster recovery for one of their business units.

Note that account 2 includes two separate Connectors. This might happen if you have systems in separate regions or in separate cloud providers.



Setting up workspaces and users in the Cloud Central account

When you log in to Cloud Manager for the first time, you're prompted to create a *NetApp Cloud Central account*. This account provides multi-tenancy and enables you to organize users and resources in isolated *workspaces*.

Learn more about how Cloud Central accounts work.

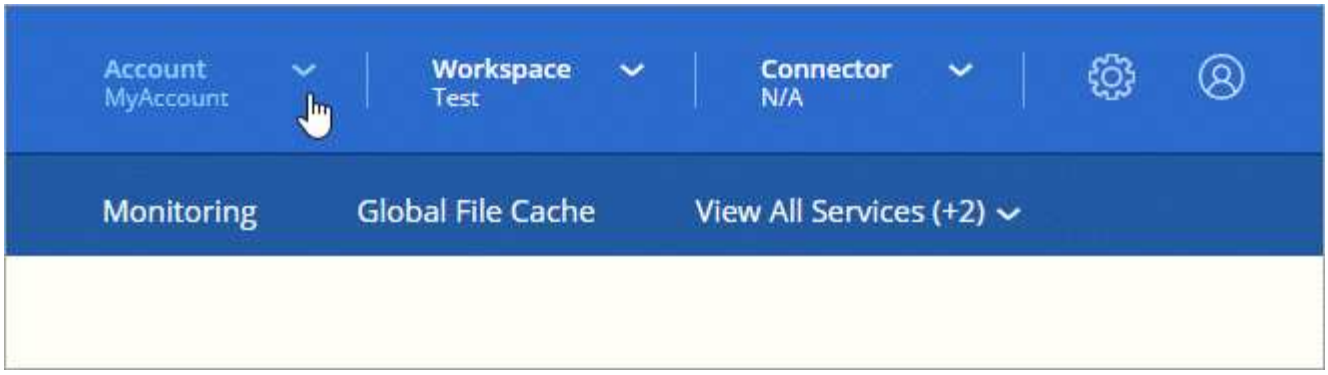
Set up your Cloud Central account so users can access Cloud Manager and access the working environments in a workspace. Just add a single user or add multiple users and workspaces.

Adding workspaces

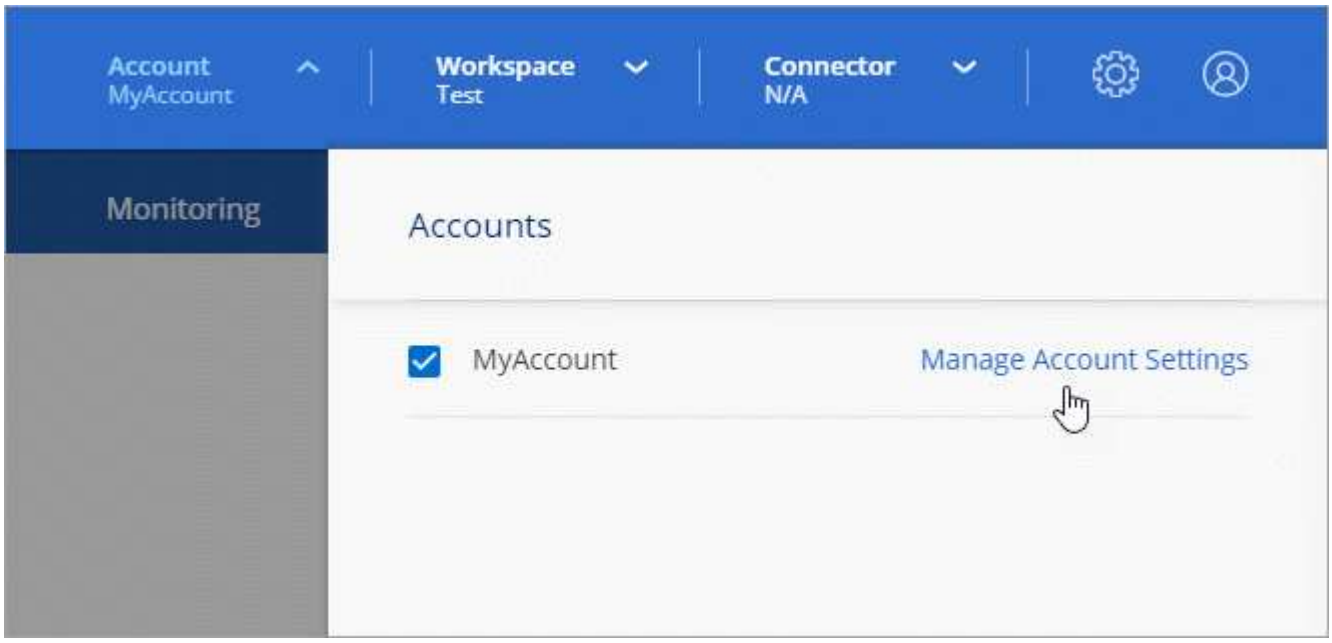
In Cloud Manager, workspaces enable you to isolate a set of working environments from other working environments and from other users. For example, you can create two workspaces and associate separate users with each workspace.

Steps

1. From the top of Cloud Manager, click the **Account** drop-down.



2. Click **Manage Account** next to the currently selected account.



3. Click **Workspaces**.
4. Click **Add New Workspace**.
5. Enter a name for the workspace and click **Add**.

After you finish

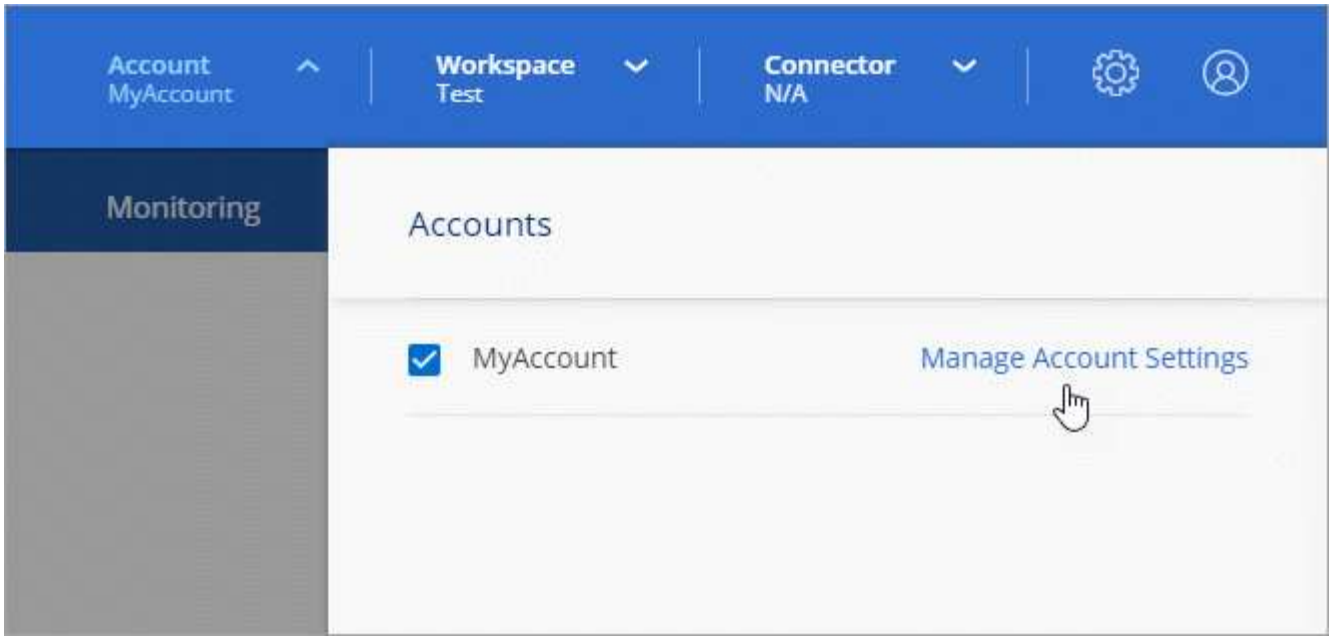
If a Workspace Admin needs access to this workspace, then you'll need to associate the user. You'll also need to associate Connectors with the workspace so Workspace Admins can use those Connectors.

Adding users

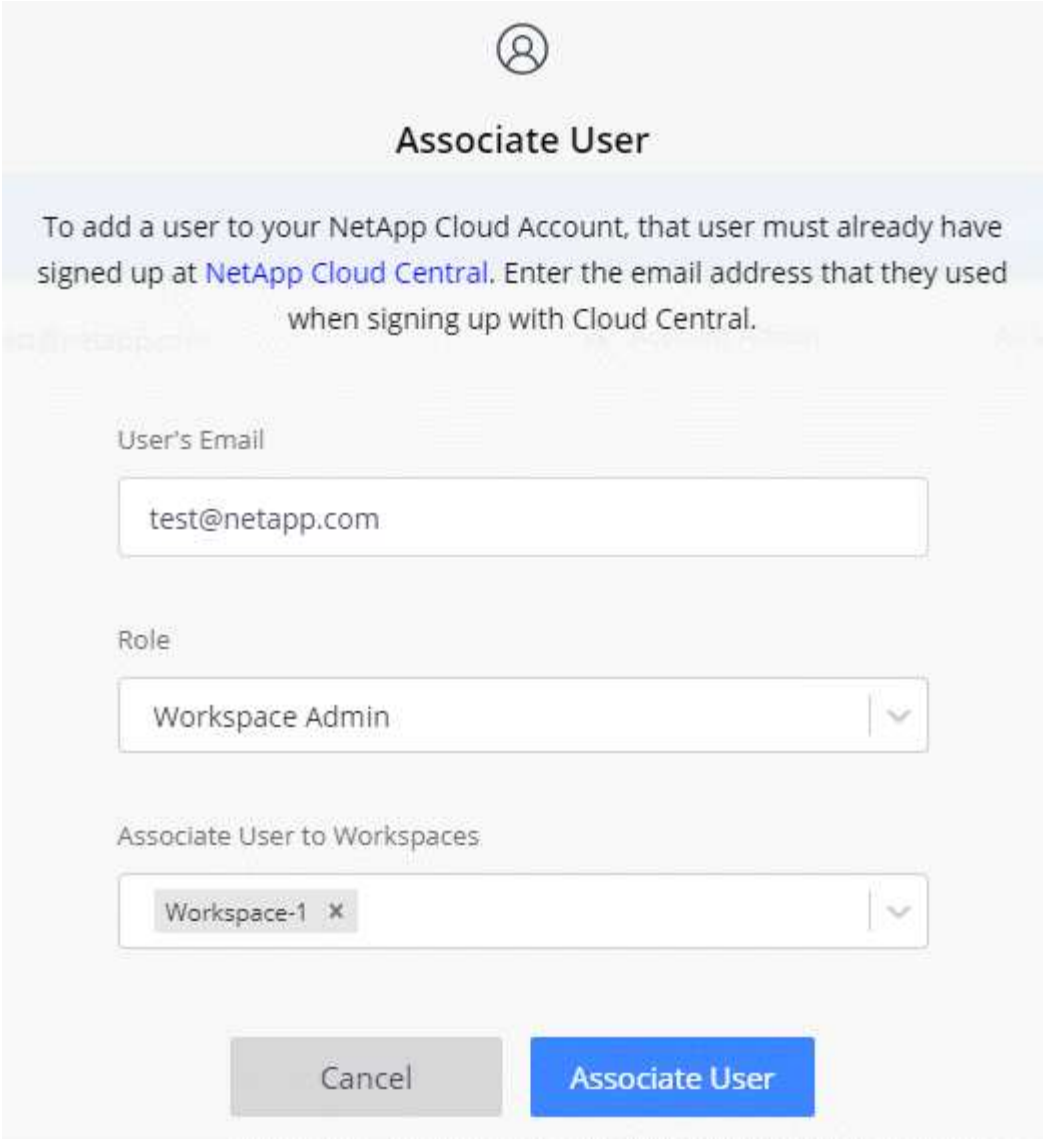
Associate Cloud Central users with the Cloud Central account so those users can create and manage working environments in Cloud Manager.

Steps

1. If the user hasn't already done so, ask the user to go to NetApp Cloud Central and sign up.
2. From the top of Cloud Manager, click the **Account** drop-down and click **Manage Account**.



3. From the Users tab, click **Associate User**.
4. Enter the user's email address and select a role for the user:
   - **Account Admin**: Can perform any action in Cloud Manager.
   - **Workspace Admin**: Can create and manage resources in assigned workspaces.
   - **Compliance Viewer**: Can only view compliance information and generate reports for workspaces that they have permission to access.
5. If you selected Workspace Admin or Compliance Viewer, select one or more workspaces to associate with that user.



6. Click **Associate User**.

Result

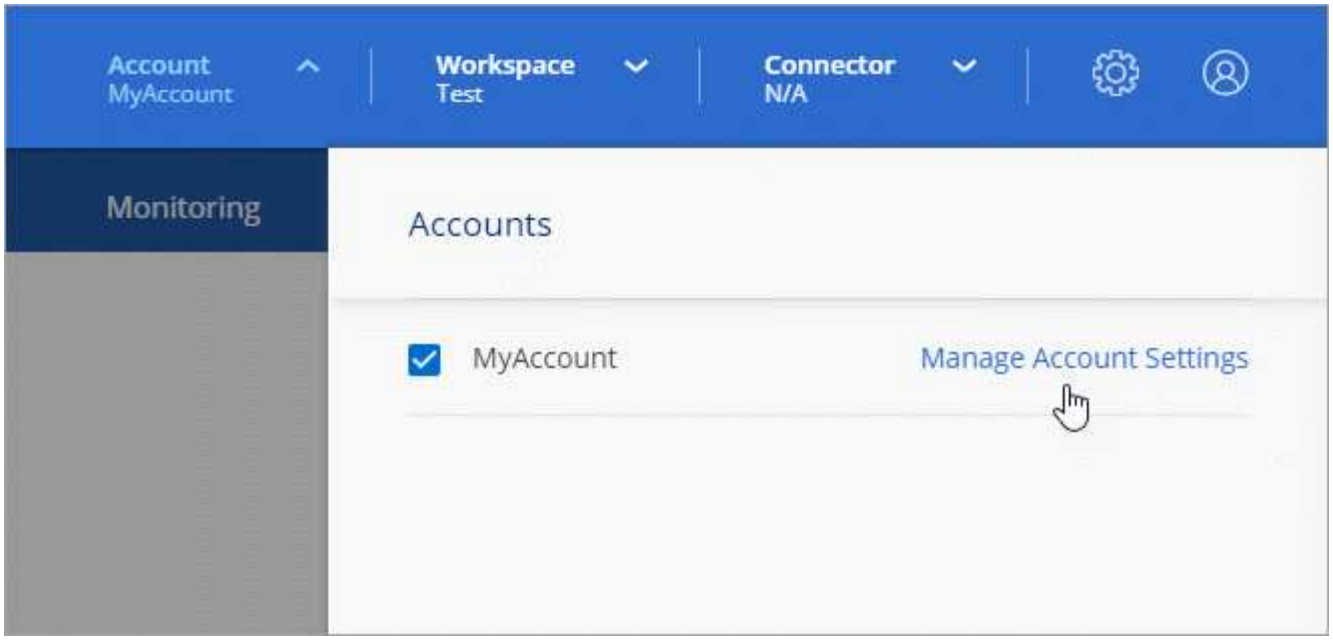
The user should receive an email from NetApp Cloud Central titled "Account Association." The email includes the information needed to access Cloud Manager.

Associating Workspace Admins with workspaces

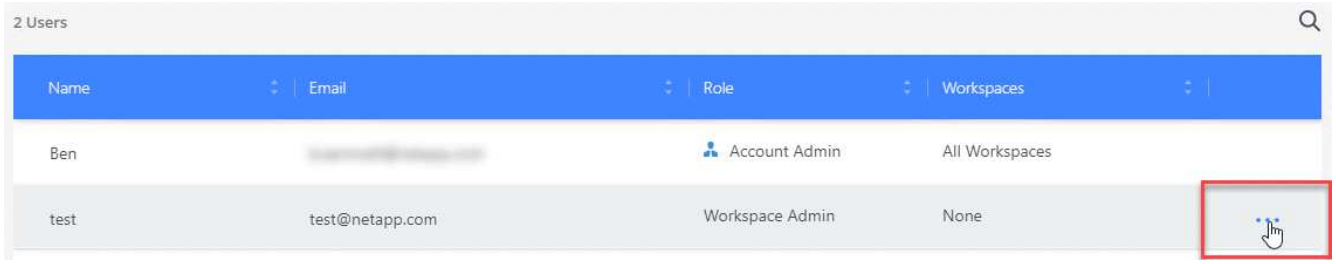
You can associate Workspace Admins with additional workspaces at any time. Associating the user enables them to create and view the working environments in that workspace.

Steps

1. From the top of Cloud Manager, click the **Account** drop-down and click **Manage Account**.



2. From the Users tab, click the action menu in the row that corresponds to the user.



3. Click **Manage Workspaces**.
4. Select one or more workspaces and click **Apply**.

Result

The user can now access those workspaces from Cloud Manager, as long as the Connector was also associated with the workspaces.

Associating Connectors with workspaces

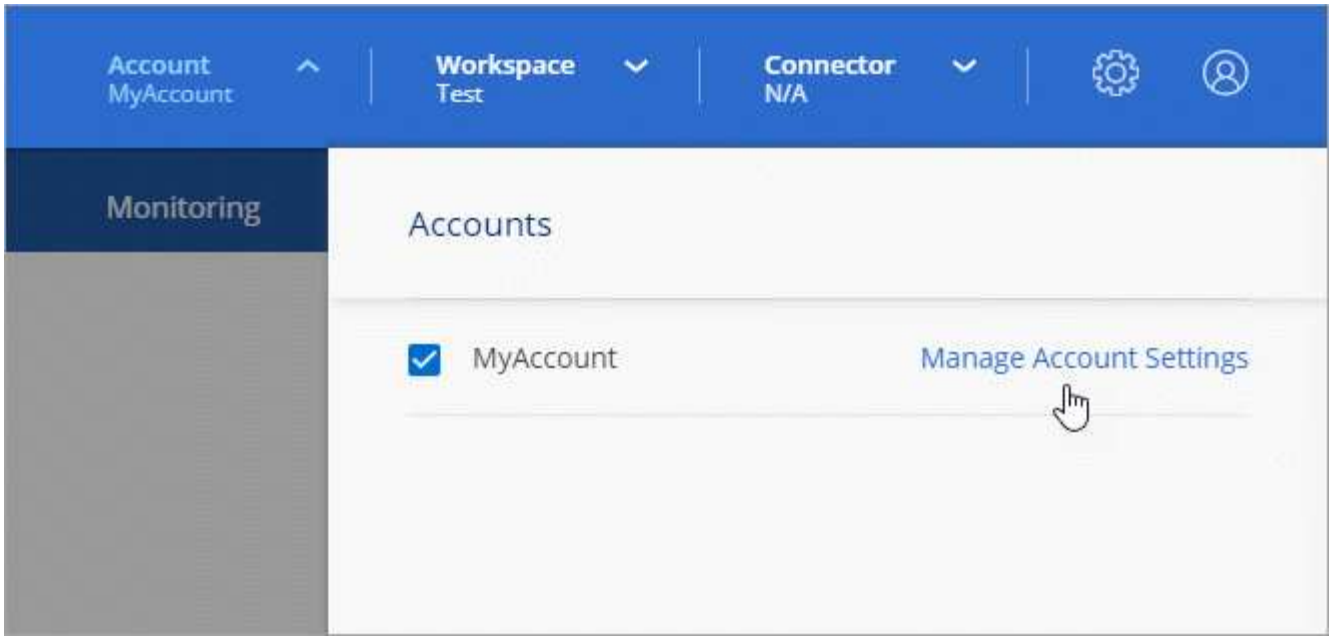
You need to associate a Connector with workspaces so Workspace Admins can use those Connectors to create Cloud Volumes ONTAP systems.

If you only have Account Admins, then associating the Connector with workspaces isn't required. Account Admins have the ability to access all workspaces in Cloud Manager by default.

Learn more about users, workspaces, and Connectors.

Steps

1. From the top of Cloud Manager, click the **Account** drop-down and click **Manage Account**.



2. Click **Connector**.
3. Click **Manage Workspaces** for the Connector that you want to associate.
4. Select one or more workspaces and click **Apply**.

Result

Workspace Admins can now use those Connectors to create Cloud Volumes ONTAP systems.

What's next?

Now that you've set up your account, you can manage it any time by removing users, managing workspaces, Connectors, and subscriptions. Learn more.

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