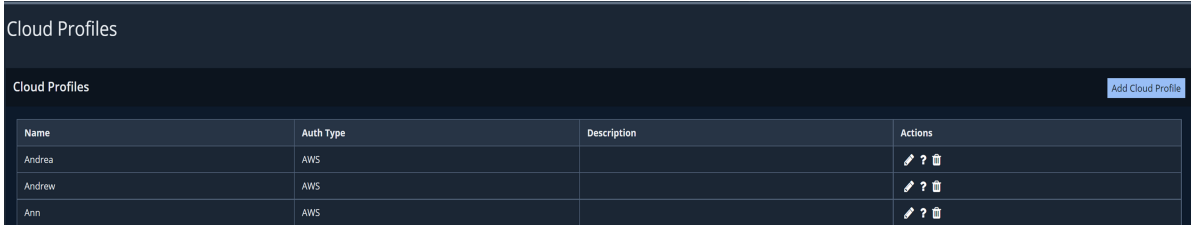











## CLOUD PROFILES

Cloud Profiles are used to provide credentials for Cloud Validation Actions. These cloud profiles must match an existing account you have in your environment or for your cloud provider.



Name	Auth Type	Description	Actions
Andrea	AWS		  
Andrew	AWS		  
Ann	AWS		  

Cloud Profiles

### Create Cloud Profiles



These profiles must match a Cloud Account. The entries could be accounts created specifically for testing the Cloud Security Technologies or could be existing accounts.

1. Select **Environment** > **Cloud Profiles**.
2. Click **Add Cloud Profile**.
3. Enter the **Name**.
4. (Optional) Add a **Description**. Describing the access of the account helps users know which Profile to select when running Cloud Actions.
5. Select **Auth Type** and then enter the requested credentials.

- o **Basic auth:**

- username
- password

- o **AWS:**



When a Cloud Action is run with an AWS Cloud Profile, environment variables `AWS_ACCESS_KEY_ID` and `AWS_SECRET_ACCESS_KEY` are created and populated based on the profile. These credentials are used by the BOTO module unless they are overridden in the Python script. `AWS_SESSION_TOKEN` is also set in the cloud action environment if it's present in the cloud profile.

- `AWS_ACCESS_KEY_ID`
- `AWS_SECRET_ACCESS_KEY`
- `AWS_SESSION_TOKEN`

- o **Azure:**

- `AZURE_TENANT_ID`
- `AZURE_CLIENT_ID`



This value may be referred to as **app id** in Azure.

- `AZURE_CLIENT_SECRET`
- `AZURE_SUBSCRIPTION_ID`

- **Google Cloud:**

For the setup and cleanup parts of the Action, a Cloud Profile should be used that has these roles:



- Compute Admin
- Storage Admin
- Deployment Manager Editor

- GOOGLE\_CLOUD\_PROJECT\_ID
- GOOGLE\_CLOUD\_CLIENT\_ID
- GOOGLE\_CLOUD\_CLIENT\_EMAIL
- GOOGLE\_CLOUD\_PRIVATE\_KEY\_ID
- GOOGLE\_CLOUD\_PRIVATE\_KEY
- GOOGLE\_CLOUD\_TOKEN\_URI

- **Custom**

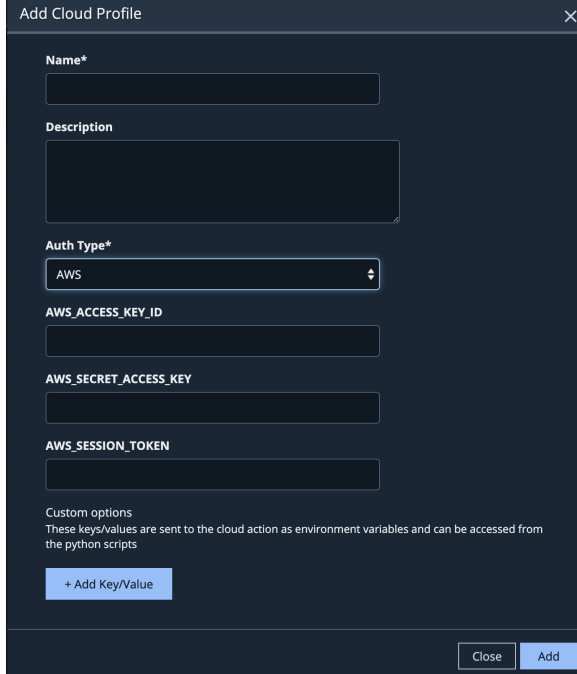
6. (Optional) Click + **Add Key/Value** to add **Custom options**. These keys/values are sent to the Cloud Action as environment variables.



- Two environment variables are included with Cloud Validation, `RESOURCE_TAG_KEY` and `RESOURCE_TAG_VALUE`, which let you tag your cloud resources when running Actions. This tagging can be helpful in cleanup tasks or in identifying what has changed during an incomplete build or tear down.
- For example, if you are testing the creation of an S3 bucket, add `MSV_test` as the key and `MSV_test_bucket_created` as the Value. `RESOURCE_TAG_KEY` and `RESOURCE_TAG_VALUE` are also included in your scripts. If the creation succeeds, then you can quickly search your AWS for `MSV_test_bucket_created` to quickly remove the added bucket.

- Key
- Value

7. Click **Add**. The profile is added and available to select when running your Cloud Actions.



Add Cloud Profile

Name\*

Description

Auth Type\*

AWS

AWS\_ACCESS\_KEY\_ID

AWS\_SECRET\_ACCESS\_KEY

AWS\_SESSION\_TOKEN

Custom options  
These keys/values are sent to the cloud action as environment variables and can be accessed from the python scripts

+ Add Key/Value

Close Add

Add Cloud Profile form for AWS Auth Type




Cloud profiles can be tested on the Cloud Profiles page by clicking ? for the profile you want to be tested in the Actions column.

### Edit Cloud Profiles

1. Select **Environment** > **Cloud Profiles**.
2. For the Cloud Profile you want to modify, click **Edit**.
3. Make any necessary modifications and then click **Save**.

### Delete Cloud Profiles

1. Select **Environment** > **Cloud Profiles**.
2. For the Cloud Profile you want to delete, click  **Delete**.
3. Confirm that you want to delete the profile and then click **OK**.