Swinburne University of Technology

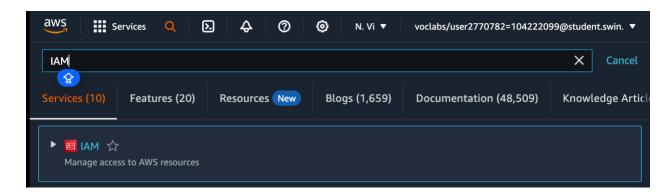
COS20019 Cloud Computing Architecture

Week 6: ACF Lab 1: Intro to AWS IAM

Saturday 14th October, 2023

Task 1: Explore the Users and Groups

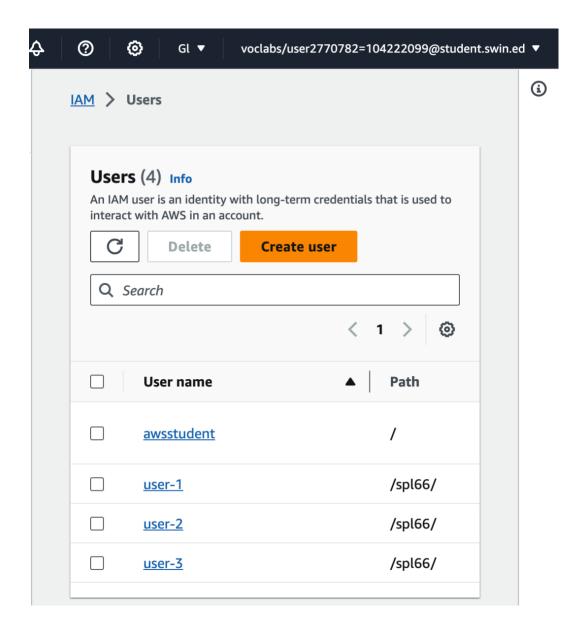
In the AWS Management Console, on the Services menu, select IAM.



In the navigation pane on the left, choose **Users**.

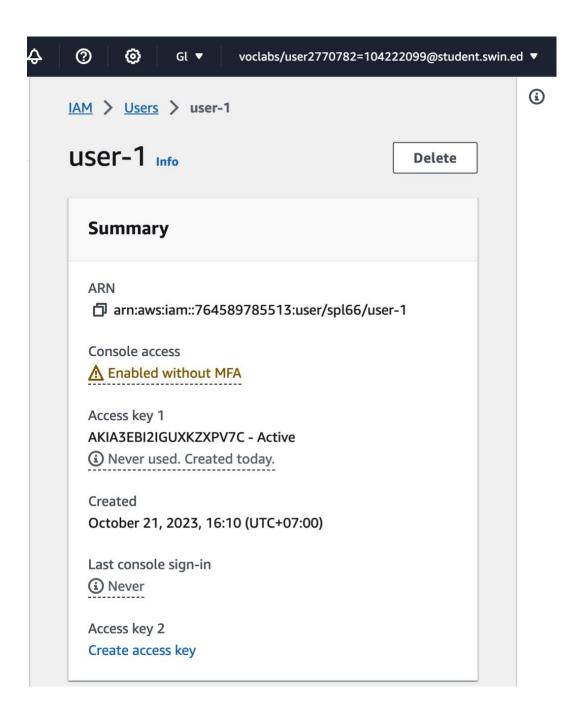
The following IAM Users have been created for you:

- user-1
- user-2
- user-3

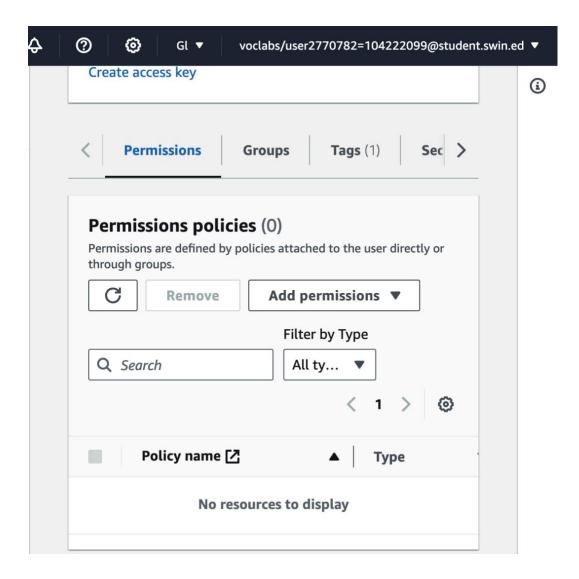


Choose user-1.

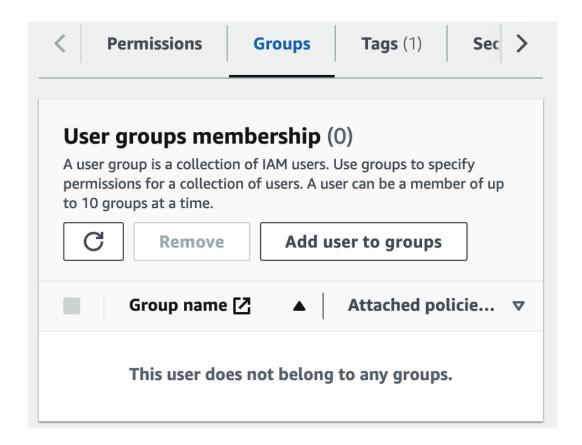
This will bring to a summary page for user-1. The **Permissions** tab will be displayed.



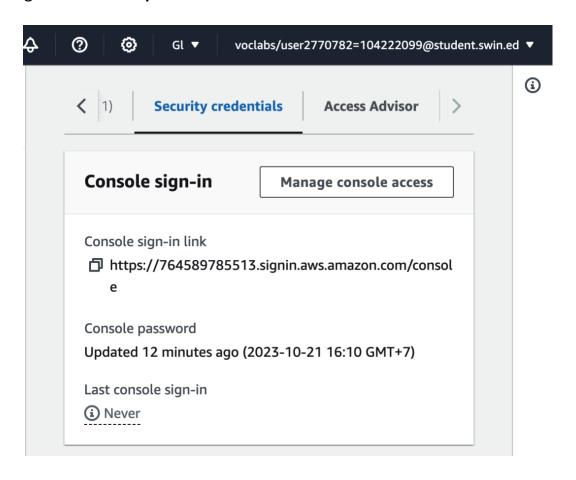
Notice that user-1 does not have any permissions.



Choose the **Groups** tab. user-1 also is not a member of any groups.



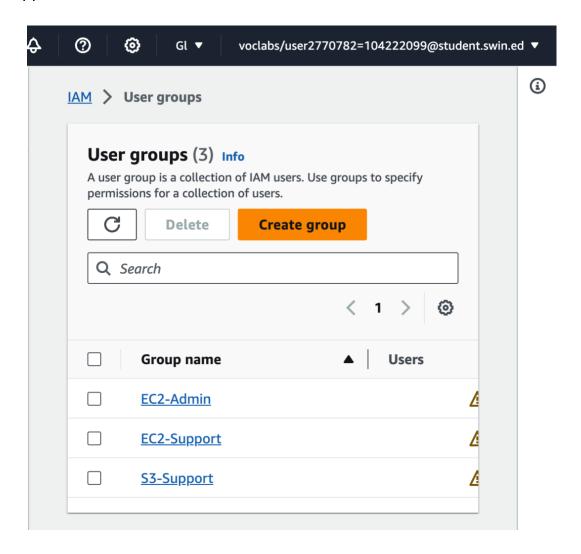
Choose the **Security credentials** tab. user-1 is assigned a **Console password**



In the navigation pane on the left, choose **User groups**.

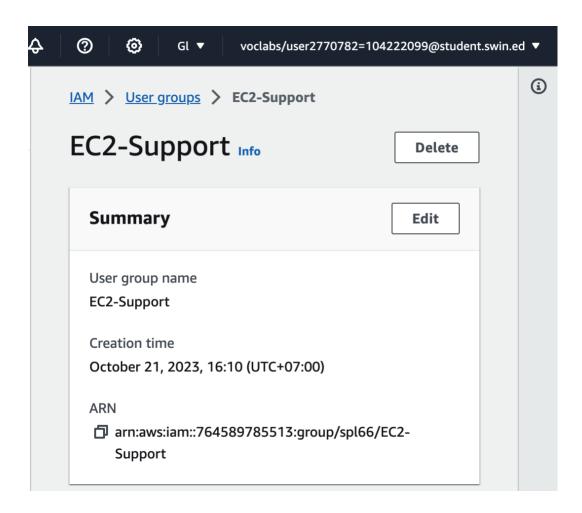
The following groups have already been created for you:

- EC2-Admin
- EC2-Support
- S3-Support



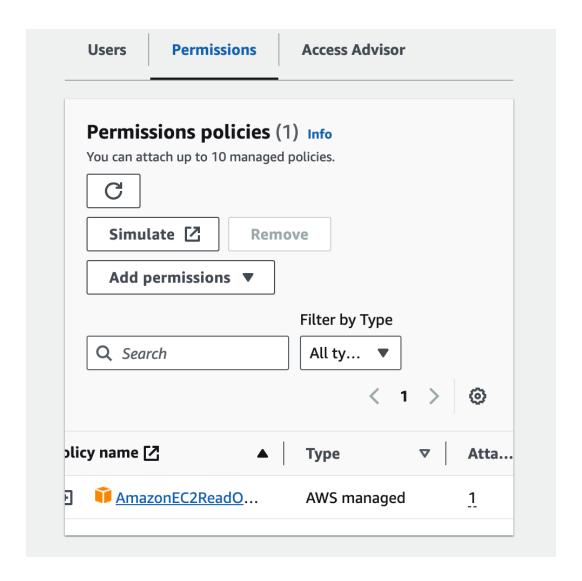
Choose the **EC2-Support** group.

This will bring you to the summary page for the **EC2-Support** group.

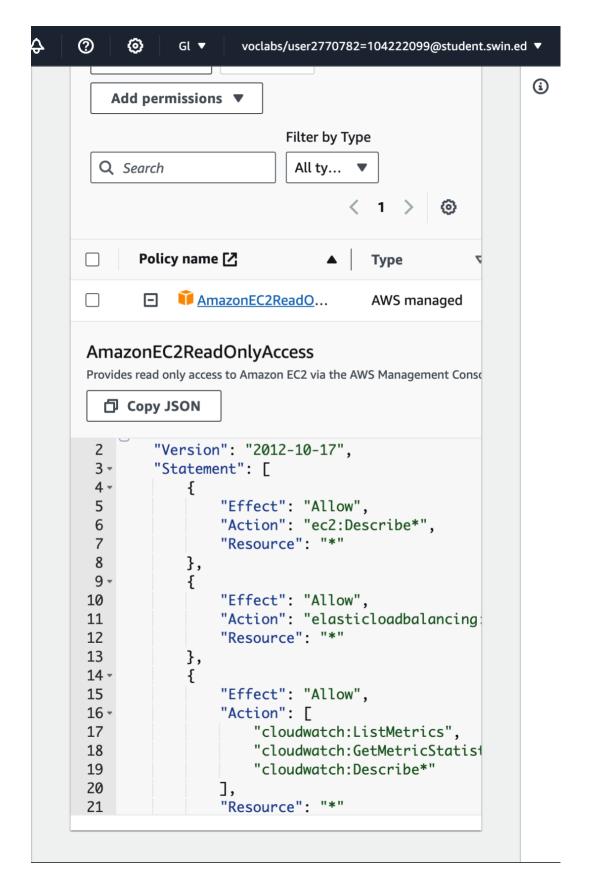


Choose the **Permissions** tab.

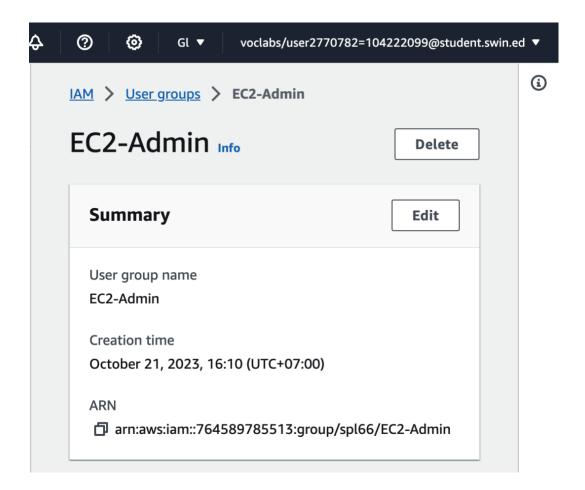
This group has a Managed Policy associated with it, called **AmazonEC2ReadOnlyAccess**.



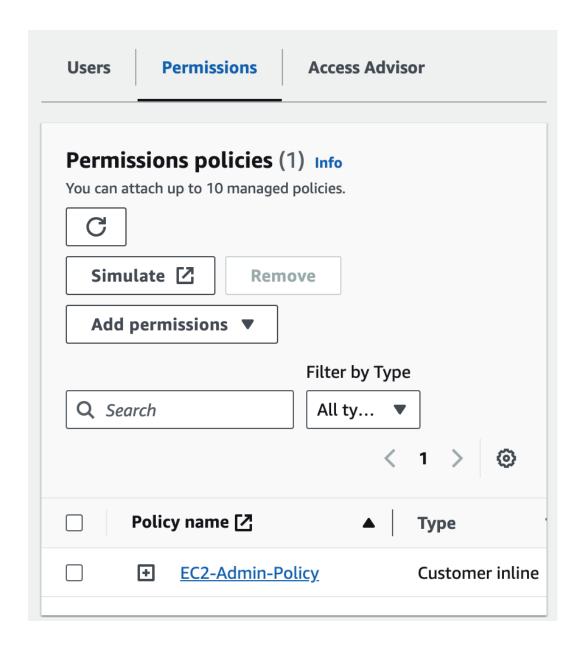
Choose the plus (+) icon next to the AmazonEC2ReadOnlyAccess policy to view the policy details.



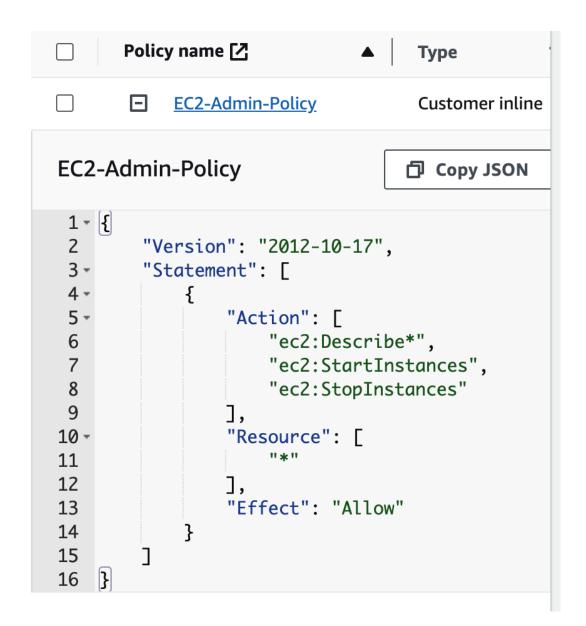
Choose the **EC2-Admin** group and then choose the **Permissions** tab.



This Group is slightly different from the other two. Instead of a *Managed Policy*, it has an **Inline Policy**,

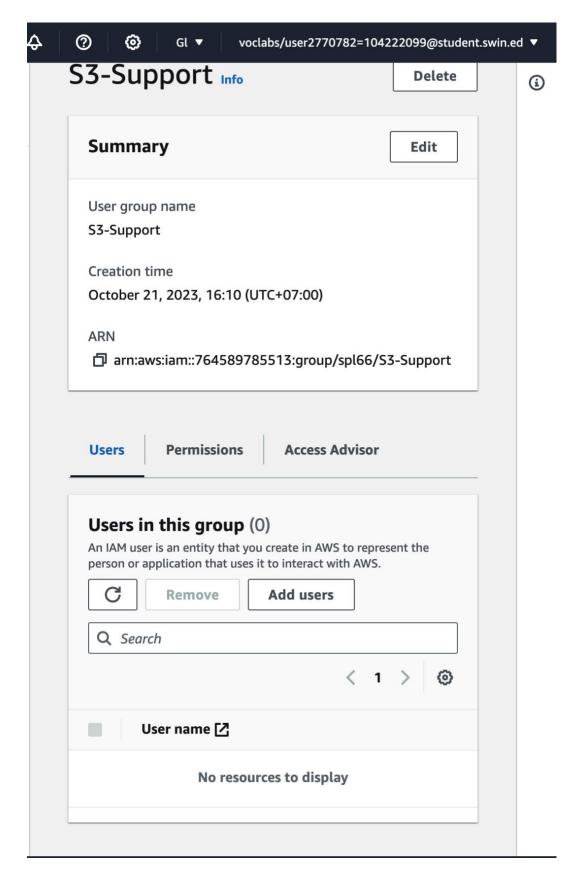


Choose the plus (+) icon to view the policy details.



Task 2: Add Users to Groups

In the left navigation pane, choose **User groups**. Choose the **S3-Support** group. Choose the **Users** tab.

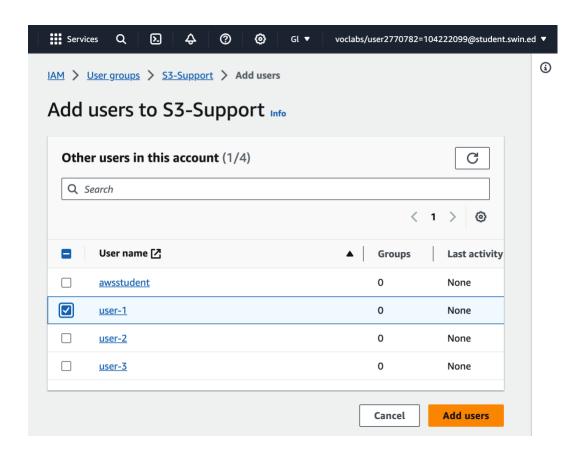


In the Users tab, choose Add users.

In the Add Users to S3-Support window, configure the following:

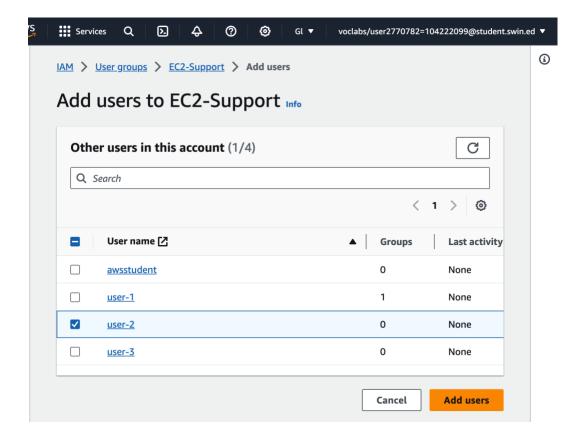
- Select user-1.
- At the bottom of the screen, choose Add Users.

In the **Users** tab you will see that user-1 has been added to the group.



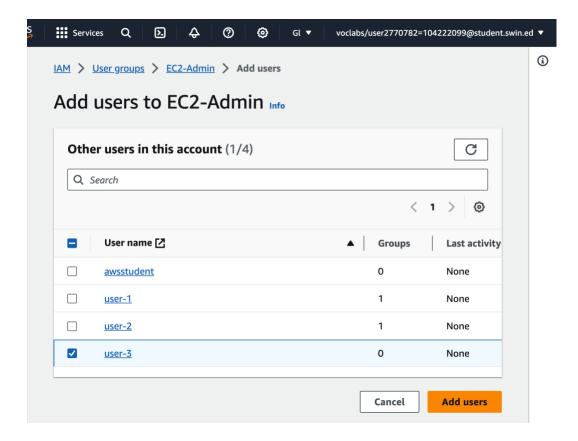
Add user-2 to the EC2-Support Group

Using similar steps to the ones above, add **user-2** to the **EC2-Support** group. user-2 should now be part of the **EC2-Support** group.



Add user-3 to the EC2-Admin Group

Using similar steps to the ones above, add user-3 to the EC2-Admin group. user-3 should now be part of the EC2-Admin group.

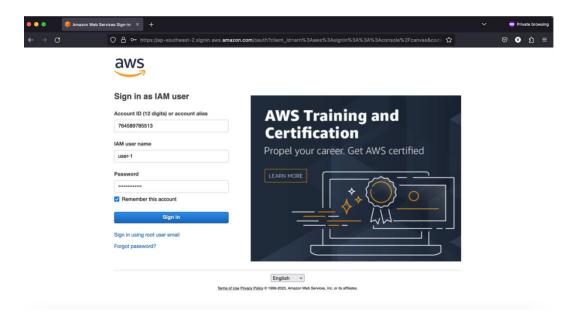


Each Group should now have a 1 in the Users column for the number of Users in each Group.

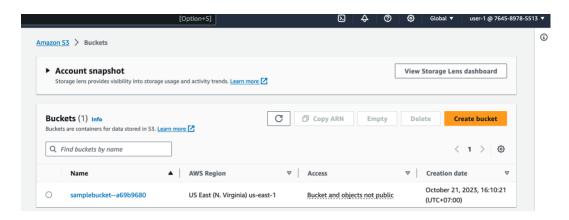
Task 3: Sign-In and Test Users

In the navigation pane on the left, choose **Dashboard**. Copy the **Sign-in URL for IAM users in this account** to a text editor. Sign-in with:

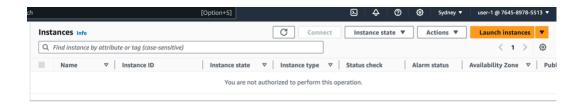
IAM user name: user-1Password: Lab-Password1



In the Services menu, choose S3.

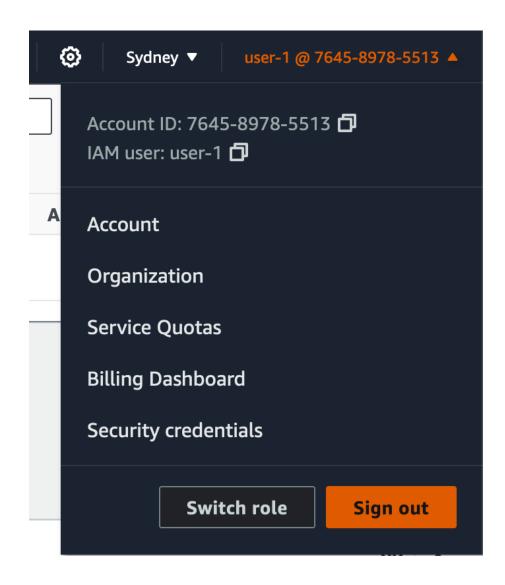


In the Services menu, choose EC2.



Sign user-1 out of the AWS Management Console by completing the following actions:

- At the top of the screen, choose user-1
- Choose Sign Out

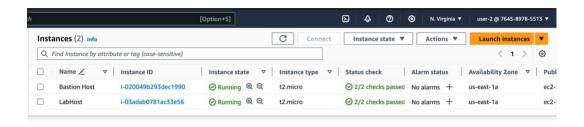


Sign-in with:

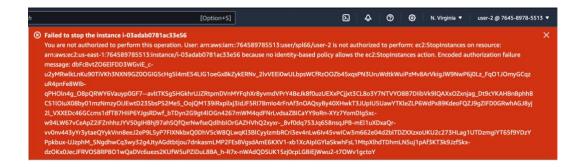
IAM user name: user-2Password: Lab-Password2

In the **Services** menu, choose **EC2**.

• Select the instance named LabHost.

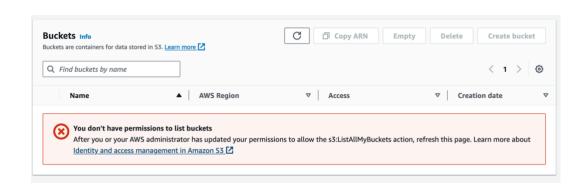


In the **Instance state** menu above, select **Stop instance**. In the **Stop Instance** window, select **Stop**.



In the **Services**, choose **S3**.

You will see the message **You don't have permissions to list buckets** because user-2 does not have permission to access Amazon S3.

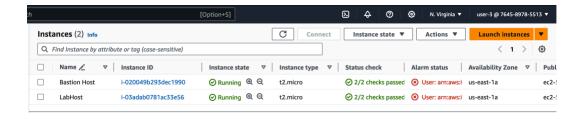


You will now sign-in as **user-3**, who has been hired as your Amazon EC2 administrator. Sign-in with:

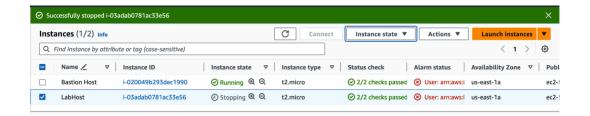
IAM user name: user-3Password: Lab-Password3

In the **Services** menu, choose **EC2**.

In the navigation pane on the left, choose **Instances**.



In the **Instance state** menu, choose **Stop instance**. In the **Stop instance** window, choose **Stop**.



ENDLAB.