Swinburne University of Technology

*COS20019 Cloud Computing Architecture*

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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**.

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

The following IAM Users have been created for you:

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

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Choose **user-1**.

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

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Notice that user-1 does not have any permissions.

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Choose the **Groups** tab.

user-1 also is not a member of any groups.

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Choose the **Security credentials** tab.

user-1 is assigned a **Console password**

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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

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Choose the **EC2-Support** group.

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

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Choose the **Permissions** tab.

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

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

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

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

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

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**Task 2: Add Users to Groups**

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

Choose the **S3-Support** group.

Choose the **Users** tab.

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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.

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**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.

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**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.

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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-1
* **Password:** Lab-Password1

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

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

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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**

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Sign-in with:

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

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

* Select the instance named  *LabHost*.

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

In the **Stop Instance** window, select **Stop**.

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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.

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

Sign-in with:

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

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

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

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

In the **Stop instance** window, choose **Stop**.

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**ENDLAB.**