

Microsoft ADC Cybersecurity Skilling Program

Week 6 Lab Assignment

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Introduction

Lab 01: Role-Based Access Control

Student lab manual

Lab scenario

You have been asked to create a proof of concept showing how Azure users and groups are created. Also, how role-based access control is used to assign roles to groups. Specifically, you need to:

- Create a Senior Admins group containing the user account of Joseph Price as its member.
- Create a Junior Admins group containing the user account of Isabel Garcia as its member.
- Create a Service Desk group containing the user account of Dylan Williams as its member.
- Assign the Virtual Machine Contributor role to the Service Desk group.

For all the resources in this lab, we are using the **East US** region. Verify with your instructor this is the region to use for class.

Lab objectives

In this lab, you will complete the following exercises:

- Exercise 1: Create the Senior Admins group with the user account Joseph Price as its member (the Azure portal).
- Exercise 2: Create the Junior Admins group with the user account Isabel Garcia as its member (PowerShell).
- Exercise 3: Create the Service Desk group with the user Dylan Williams as its member (Azure CLI).
- Exercise 4: Assign the Virtual Machine Contributor role to the Service Desk group.

Instructions

Exercise 1: Create the Senior Admins group with the user account Joseph Price as its member.

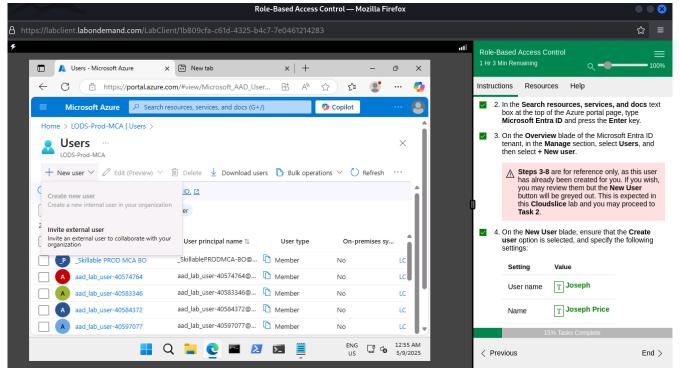
Estimated timing: 10 minutes

In this exercise, you will complete the following tasks:

- Task 1: Use the Azure portal to create a user account for Joseph Price.
- Task 2: Use the Azure portal to create a Senior Admins group and add the user account of Joseph Price to the group.

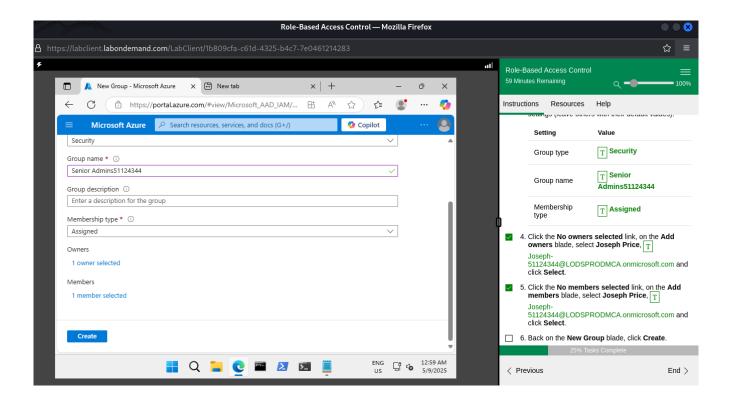
Task 1: Use the Azure portal to create a user account for Joseph Price

In this task, you will create a user account for Joseph Price.



Task2: Use the Azure portal to create a Senior Admins group and add the user account of Joseph Price to the group.

In this task, you will create the *Senior Admins* group, add the user account of Joseph Price to the group, and configure it as the group owner.



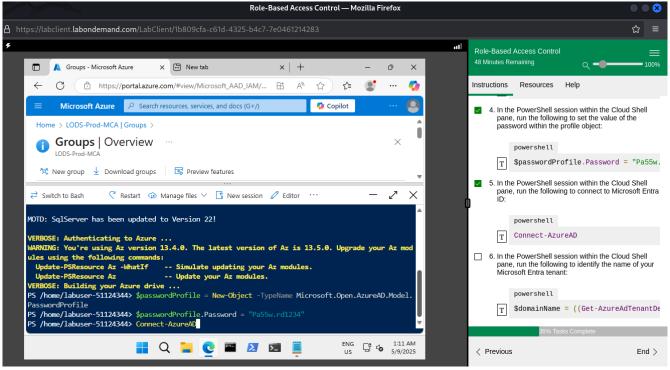
Exercise 2: Create a Junior Admins group containing the user account of Isabel Garcia as its member.

In this exercise, you will complete the following tasks:

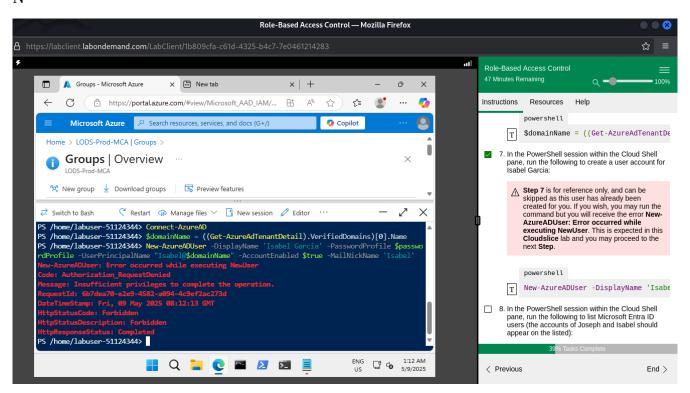
- Task 1: Use PowerShell to create a user account for Isabel Garcia.
- Task 2: Use PowerShell to create the Junior Admins group and add the user account of Isabel Garcia to the group.

Task 1: Use PowerShell to create a user account for Isabel Garcia.

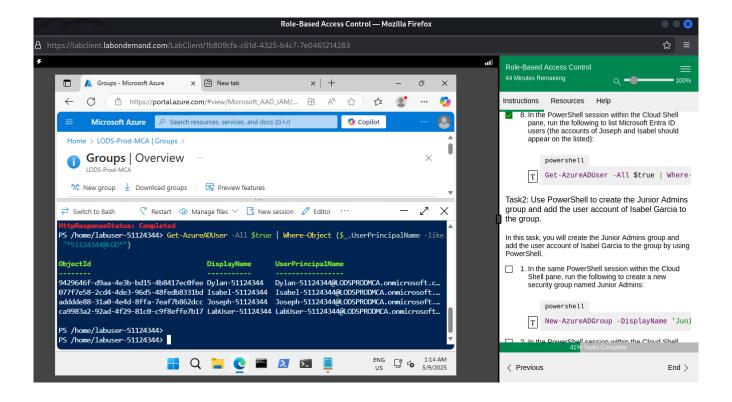
In this task, you will create a user account for Isabel Garcia by using PowerShell.



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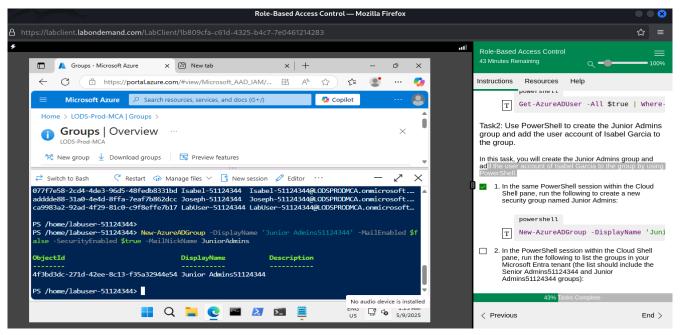


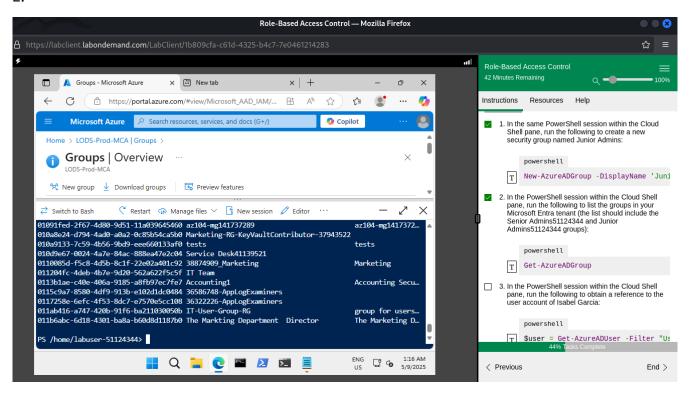
The accounts of Joseph and Isabel should appear on the listed

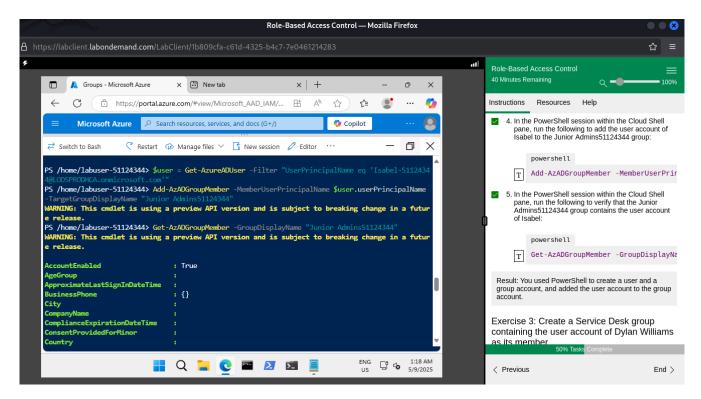


Task2: Use PowerShell to create the Junior Admins group and add the user account of Isabel Garcia to the group.

In this task, you will create the Junior Admins group and add the user account of Isabel Garcia to the group by using PowerShell.







Used PowerShell to create a user and a group account, and added the user account to the group account.

Exercise 3: Create a Service Desk group containing the user account of Dylan Williams as its member.

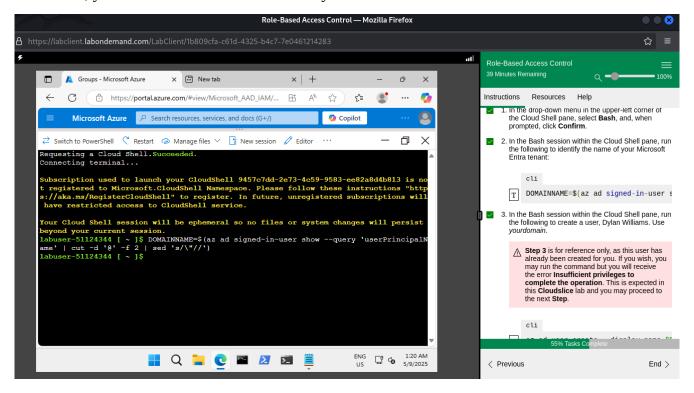
Estimated timing: 10 minutes

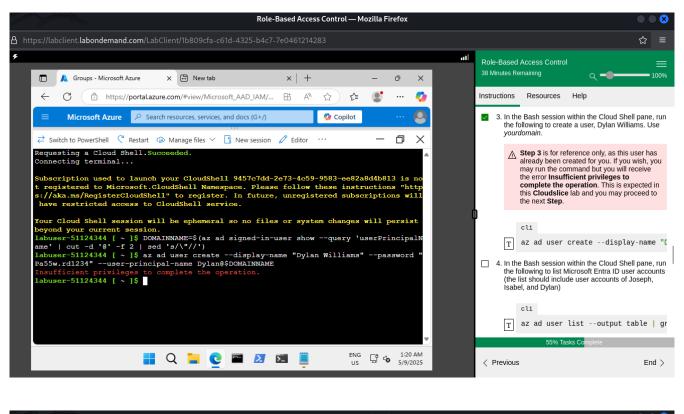
In this exercise, you will complete the following tasks:

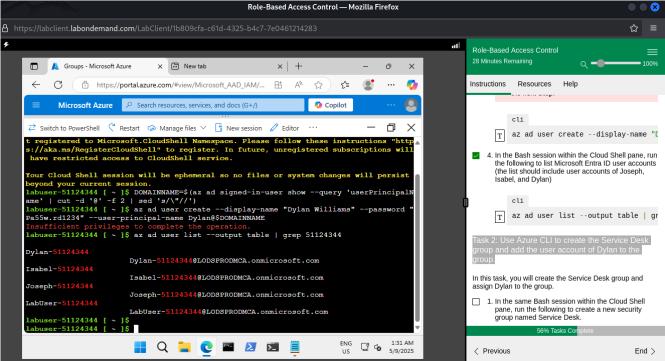
- Task 1: Use Azure CLI to create a user account for Dylan Williams.
- Task 2: Use Azure CLI to create the Service Desk group and add the user account of Dylan to the group.

Task 1: Use Azure CLI to create a user account for Dylan Williams.

In this task, you will create a user account for Dylan Williams.

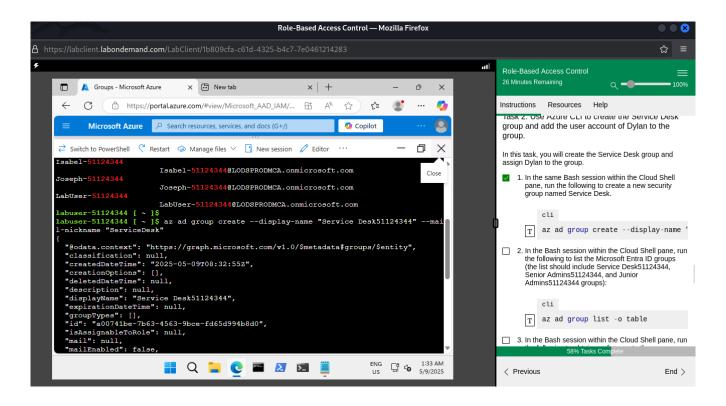


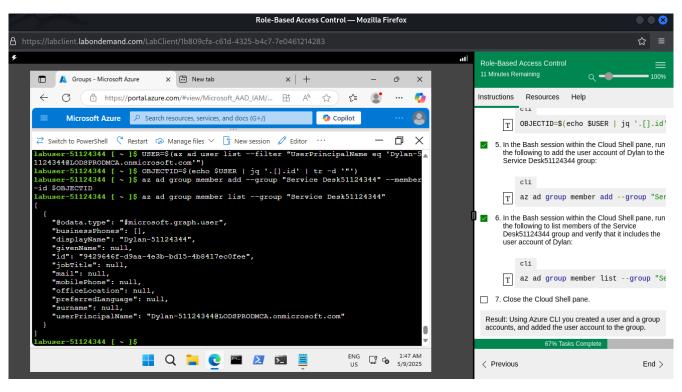




Task 2: Use Azure CLI to create the Service Desk group and add the user account of Dylan to the group.

In this task, you will create the Service Desk group and assign Dylan to the group.





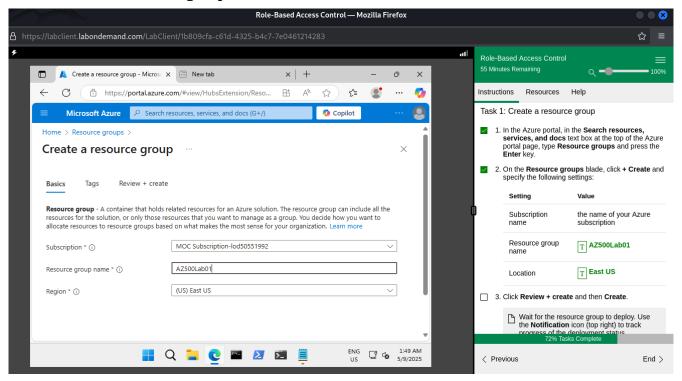
Exercise 4: Assign the Virtual Machine Contributor role to the Service Desk group.

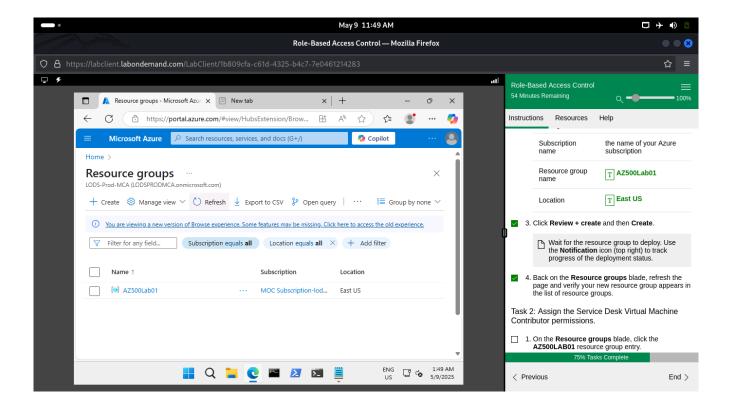
Estimated timing: 10 minutes

In this exercise, you will complete the following tasks:

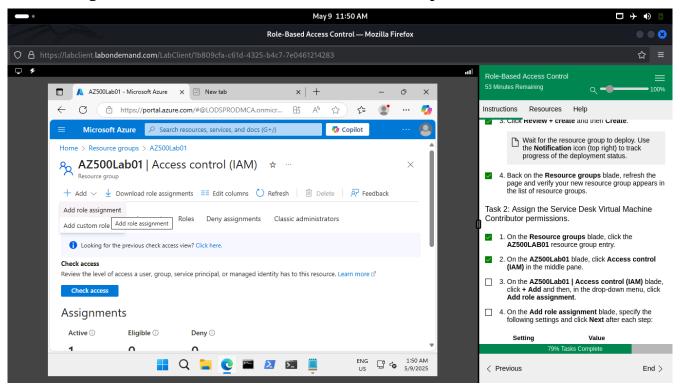
- Task 1: Create a resource group.
- Task 2: Assign the Service Desk Virtual Machine Contributor permissions to the resource group.

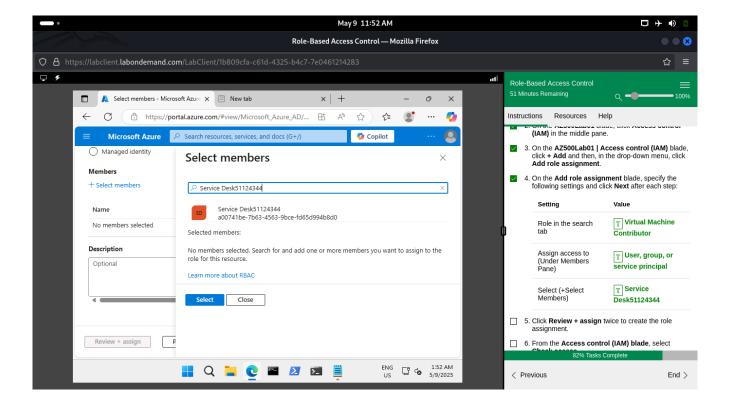
Task 1: Create a resource group





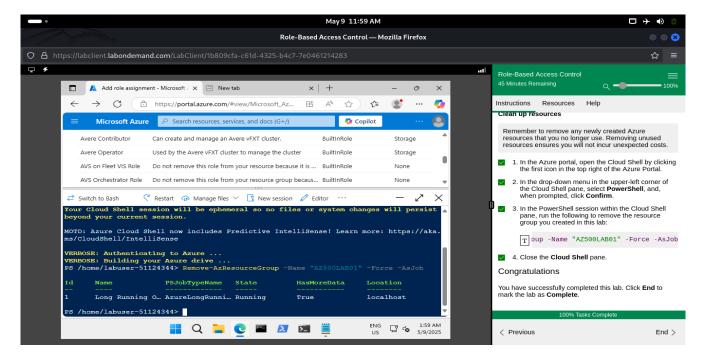
Task 2: Assign the Service Desk Virtual Machine Contributor permissions.





Clean up resources

Remember to remove any newly created Azure resources that you no longer use. Removing unused resources ensures you will not incur unexpected costs.



SUMMARY

IN THIS LAB I:

Used PowerShell to create a user and a group account, and added the user account to the group account.

Created the Senior Admins group with the user account Joseph Price as its member (the Azure portal).

Created the Junior Admins group with the user account Isabel Garcia as its member (PowerShell).

Create the Service Desk group with the user Dylan Williams as its member (Azure CLI).

Assigned the Virtual Machine Contributor role to the Service Desk group.