Icono

Descripción generada automáticamenteCREAR POLÍTICAS DE AZURE

# **Lab Details**

1. In this lab we will walk through the steps to create, manage and assign Azure Policies.

# **Introduction**

## **What are Azure Policies?**

* Azure Policy is a service in Azure which allows you to create policies which enforce and control the properties of a resource. When these policies are used they enforce different rules and effects over the resources, so those resources stay compliant with your IT governance standards.
* Azure Policy allows you to ensure that all resources are configured with required services, and will tell you when systems are out of compliance.
* Azure policy is basically 3 components; policy definition , assignment and parameters.
* Policy definition is the conditions which you want controlled. There are built in definitions such as controlling what type of resources can be deployed to enforce the use of tags on all resources.
* Policy assignment is the scope of what the policy definition can take effect around. Scope of assignment can be assigned to an individual, resource, resource group or management group. Policy assignments are inherited by all child resources.
* Policy parameters are used by reducing the number of policy definitions you must create. Parameters would be used to define which type of VM SKUs to deploy or define a specific location.

# **Architecture Diagram**

Imagen de la pantalla de un celular con letras

Descripción generada automáticamente con confianza media

# **Task Details**

1. Sign in to Azure Portal
2. Create an Allowed Locations policy assignment
3. Test the Allowed Locations policy assignment
4. Delete the resources

**Lab Steps**

**Task 1: Sign in to Azure Portal**

1. Go to the Azure portal by clicking on the **Open console** button or by using URL [https://portal.azure.com](https://portal.azure.com/).
   * **Note**: It is recommended to use incognito mode to avoid Azure portal cache related issues.
2. If it automatically logs into any other azure account, please logout of it and clear cache.
3. Sign in with your given ***username*** and ***password*** on Azure portal.

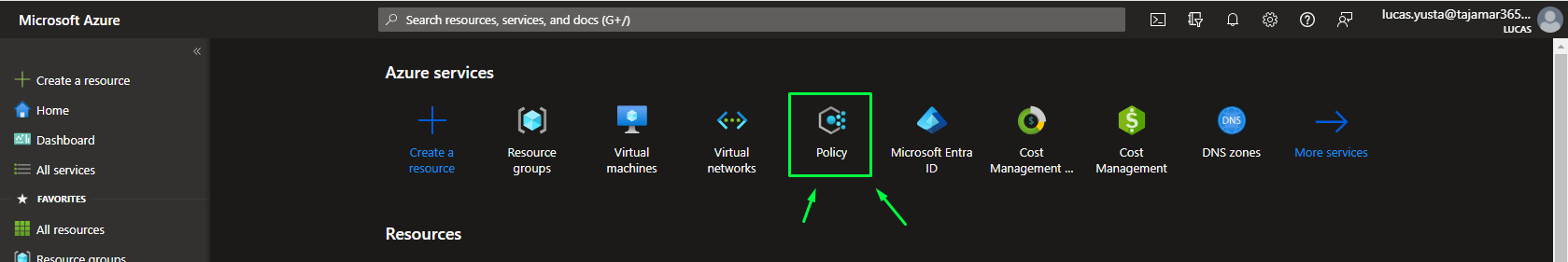
Pantalla de computadora

Descripción generada automáticamente con confianza media

1. If login is not working. Click on the **End Lab** and start the lab again.

**Task 2: Create an Allowed Locations policy assignment**

1. In the search box at the top of the Azure portal, enter **Policy**. Select **Policy** from the search results.



1. In the **Overview**page, Click on the three dots icon next to scope search bar at the top of the page.

Interfaz de usuario gráfica, Texto, Aplicación

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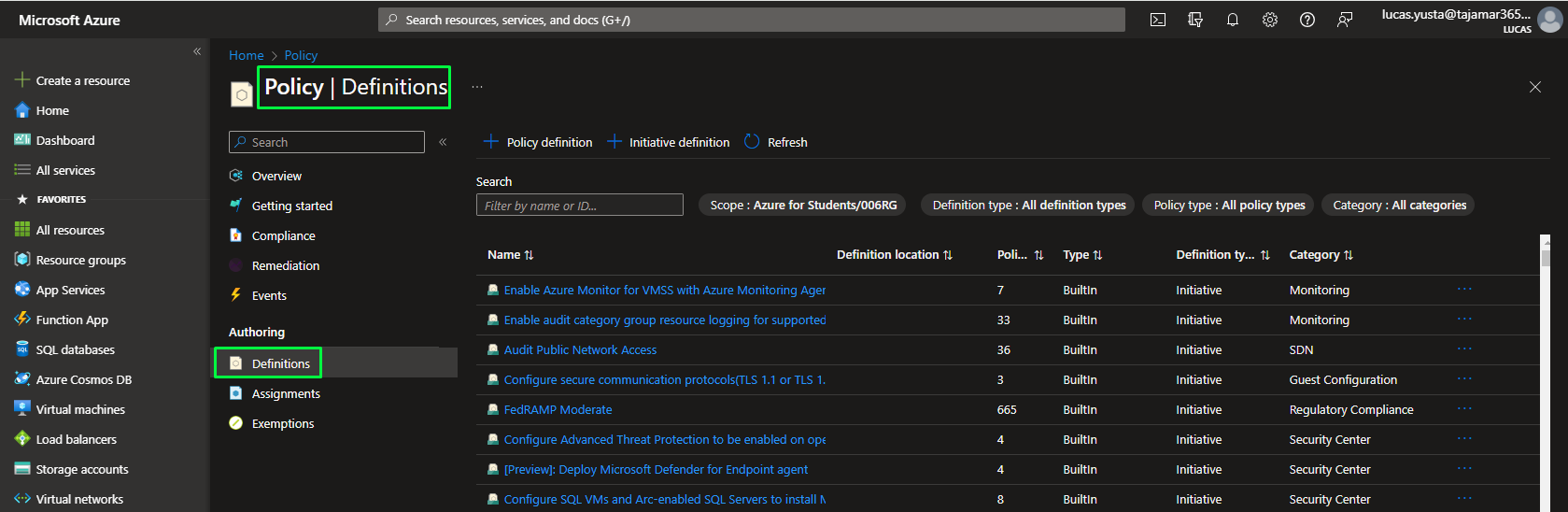
1. In the page that opens up, select the name of your resource group from the dropdown and click on **Select** button.

Captura de pantalla de un celular

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1. On the **Policy** tab, under the **Authoring** section, select **Definitions**. You can browse some built-in definitions using the **Category** drop-down

which will filter the list of policies.



* **Note:** Ignore any kind of warning you see in the **overview** section of the policy.

1. In the **Search** box, type and search for **Allowed locations**.

Captura de pantalla de computadora

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1. Click on the **Allowed locations** policy definition to display its details.
2. On the Allowed locations tab, click on **Assign**.

Captura de pantalla de computadora

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1. In the **Assign policy** section, enter or select the following values in the **Basics** tab.

* Scope : Click on the Ellipsis **(…)** button next to the Scope text box and in the Scope tab, specify the following details:
* Subscription : Enter your Azure Subscription name
* Resource group : **rg\_eastus\_XXXXX**
* Click on **Select**.

Captura de pantalla de computadora

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* Assignment name : Enter ***Allow UK South for <resource-group-name>***
* Description : Enter ***Allow resources to be created in UK South Only for <resource-group-name>***
* Policy enforcement : Select **Enabled**
* Click on **Next**.

Captura de pantalla de computadora

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* On the **Parameters** tab, select **UK South** as the only allowed location in the drop-down list of **Allowed locations**.

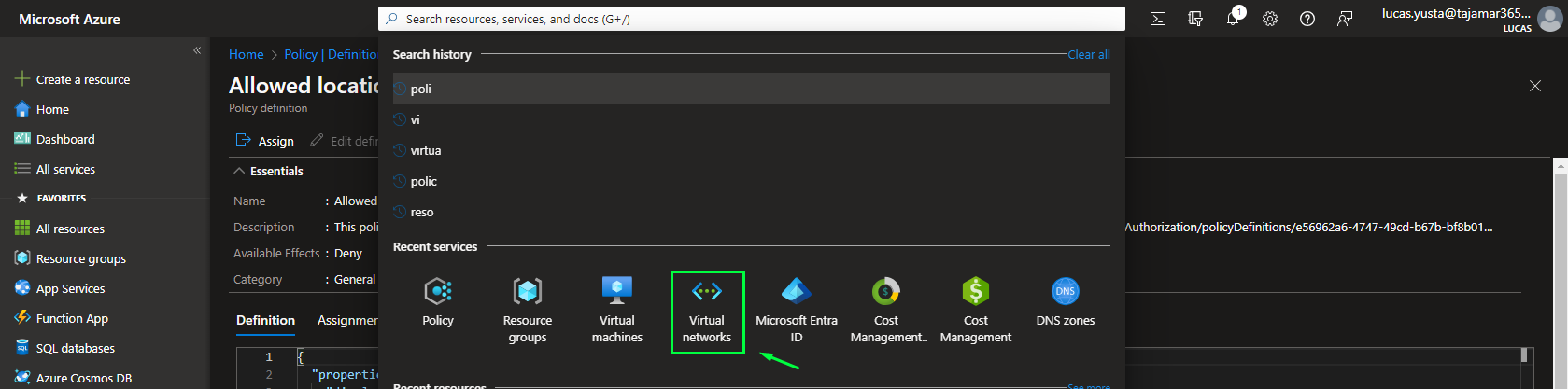
Interfaz de usuario gráfica, Texto

Descripción generada automáticamente

* Select the **Review + create** button at the bottom of the page and then click on **Create**. In a few minutes, your policy assignment will be created.

**Task 3: Test the Allowed Locations policy assignment**

1. In the search box at the top of the Azure portal, enter **Virtual Network**. Select **Virtual networks** from the search results.



1. Click on **+ Create**.

Captura de pantalla de un celular

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1. On the **Create virtual network** tab,  enter or select the following values in the **Basics** tab.

* Resource group : Select **rg\_eastus\_XXXXX**
* Name : Enter ***myWhizVnet***
* Region : Select **East US**

Captura de pantalla de computadora

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* Click on **Review+create**. You will see that a **validation failed** message will appear on the screen.

Interfaz de usuario gráfica

Descripción generada automáticamente con confianza media

* Now **click** on the **validation failed** message and you will further see that **East US location was disallowed** by the **policy**, hence it got failed to create a Virtual Network in that location.

Captura de pantalla de computadora

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* Now, click on the **Basics** tab and select the region as **UK South** and then click on **Review+Create**. After the validation is passed, click on **Create**, and verify that the virtual network was created successfully.

Interfaz de usuario gráfica, Texto

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Captura de pantalla de un celular

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* So, in this lab you learned to apply an Azure policy by selecting a built-in policy definition and assigning it to a resource group.

**Do you know?**

Azure Policy can be used to automatically remediate non-compliant resources by triggering remediation tasks when a policy violation occurs, helping to maintain compliance and enforce governance in real-time.

**Task 4: Deleting the resources**

1. In the search box at the top of the Azure portal, enter **Resource Groups**. Select Resource groups from the results.
2. Click on the name of the resource group.
3. Select all the resources in that Resource group by clicking on the**Name checkbox**.
4. Go to the three dots on right and click **Delete**.
5. Now type Delete to confirm deletion.
6. Confirm Deletion.

Captura de pantalla de computadora

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**Completion and Conclusions**

1. You have successfully signed into Azure Portal.
2. You have successfully created an Allowed Locations policy assignment.
3. You have successfully tested the Allowed Locations policy assignment.
4. You have successfully deleted the resources