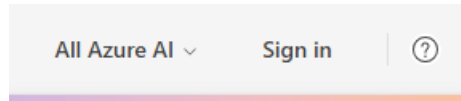


## Exercise 2- AI Studio AI Hubs

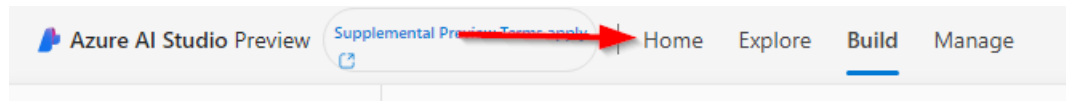
### Accessing Azure AI Hubs

Launch another Chrome tab on your desktop and navigate to the below URL. Click **Sign in** in the upper right-hand corner. Your Azure Credentials are available by clicking the **Cloud** icon at the top of the Lab Player.

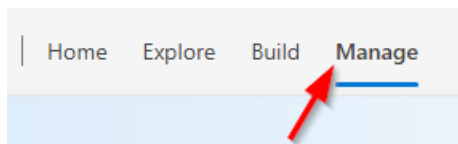


`https://ai.azure.com/`

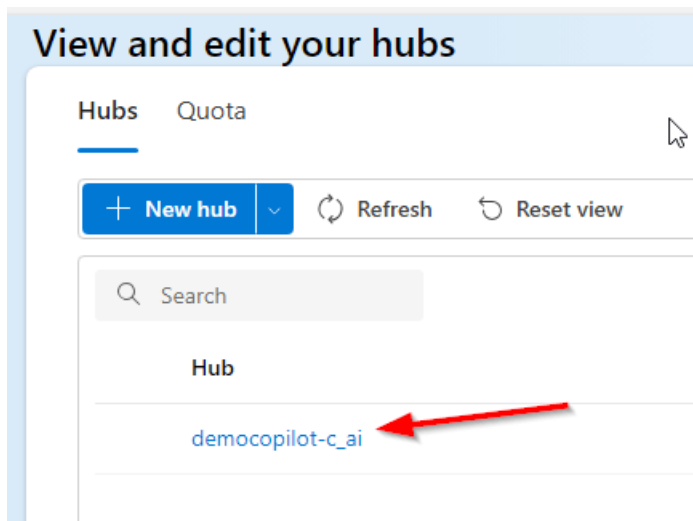
or click the **Home** tab button



1. Lets open the **Hub** from the previous exercise.
2. Click on the **Manage** tab



3. Click on your previously created **Hub**. Your name will be different.



4. The **Hub** settings page

Azure AI Studio Preview Supplemental Preview Terms apply | Home Explore Build **Manage** All Azure AI

Hubs / democopilot-c\_ai / Overview

### Overview

**Projects** 1 [View all →](#)

Project	Created on
democopilot-c-9304	May 2, 2024 2:52 PM

+ New project

**Description** [✎](#)

Add a hub description here

**Resource configuration** [View in the Azure Portal](#)

Subscription	Location
Pay-As-You-Go <a href="#">🔗</a> <a href="#">🗑</a>	eastus

Resource Group	Public network access
democopilot <a href="#">🔗</a> <a href="#">🗑</a>	Enabled

Storage account: stdemocopilo467206846101 [🔗](#) [🗑](#)

[Get API endpoints](#)

[View subscription quota](#)

**Connected resources** 5 [View all →](#)

Name	Type
ai-democopilotcai467206846101	AI Services
ai-democopilotcai467206846101_aiai	Azure OpenAI
mysearchv222	Azure AI Search (Cognitive Search)
democopilot-c-9304/workspaceblobstore	Azure Blob Storage
democopilot-c-9304/workspaceartifactstore	Azure Blob Storage

+ New connection

**Permissions** 1 [View all →](#)

[Manage in Azure Portal](#)

Groups and application permissions + 23

+ New member

- Click on the + **New member** button in the bottom right-hand corner

**Permissions** 1 [View all →](#)

[Manage in Azure Portal](#)

Groups and application permissions + 23

+ New member

- This account doesn't have additional users to add but expand the dropdown to see the different Roles available.

### Add resource members

New member \*

Role \*

Azure AI Developer [👉](#)

Owner
Contributor
✓ Azure AI Developer
Reader

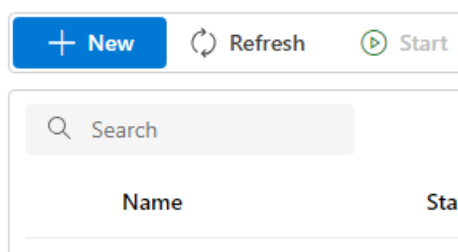
- This is an explanation of the roles available.

Role	Description
------	-------------

Role	Description
Owner	Full access to the Azure AI hub resource, including the ability to manage and create new Azure AI hub resources and assign permissions. This role is automatically assigned to the Azure AI hub resource creator
Contributor	User has full access to the Azure AI hub resource, including the ability to create new Azure AI hub resources, but isn't able to manage Azure AI hub resource permissions on the existing resource.
Azure AI Developer	Perform all actions except create new Azure AI hub resources and manage the Azure AI hub resource permissions. For example, users can create projects, compute, and connections. Users can assign permissions within their project. Users can interact with existing Azure AI resources such as Azure OpenAI, Azure AI Search, and Azure AI services.
Reader	Read only access to the Azure AI hub resource. This role is automatically assigned to all project members within the Azure AI hub resource.

8. Click the **Cancel** button on the **Add resource members** popup
9. Click on the **Compute instances** link in the side navigation. You can use **Compute instances** to use in
  - Prompt flows
  - Indexes
  - Visual Studio Code
10. Click on the **New** button

## Compute instances



11. In the popup adjust the **Virtual machine size** to **Standard\_DS11\_v2** then click **Next**

**Virtual machine type** ⓘ

☒ CPU ☐ GPU

**Virtual machine size** ⓘ

☒ Select from recommended options ☐ Select from all options

Name ↑	Category
<input checked="" type="radio"/> <b>Standard_DS11_v2</b> 2 cores, 14GB RAM, 28GB storage	Memory optimize...
<input type="radio"/> <b>Standard_DS3_v2</b> 4 cores, 14GB RAM, 28GB storage	General purpose...
<input type="radio"/> <b>Standard_DS12_v2</b> 4 cores, 28GB RAM, 56GB storage	Memory optimize...
<input type="radio"/> <b>Standard_D13_v2</b> 8 cores, 56GB RAM, 400GB storage	Memory optimize...

- Leave the default settings but this is where we setup the schedule for the VM. By default it will shutdown after 60 minutes of inactivity. Let's add a late night schedule.
- Click on the **Add schedule** button

### Create compute instance

✓ Required settings

2 **Scheduling**  
optional

3 Security  
optional

4 Tags  
optional

5 Review

**Scheduling**

Schedule the compute to start or stop on a recurring basis


**Auto shut down**

☒ Enable idle shutdown ⓘ

Shutdown after   of inactivity.

**Customized schedules** ⓘ

- Change the radio button the **Start compute instance** then click the **Add to schedule** button


Startup every Monday through Friday at 8:00 PM 

☒ Start compute instance ☐ Stop compute instance

Time zone  
(UTC) Coordinated Universal Time

Startup time  
08:00 PM


Active days  
☐ Sunday ☒ Monday ☒ Tuesday ☒ Wednesday ☒ Thursday ☒ Friday ☐ Saturday

 Add schedule

15. In the **Stop compute instance** section change the **Shutdown time** to 11:00PM then click **Next**.

Shutdown time  
11:00 PM

Active days  
☐ Sunday ☒ Monday ☒ Tuesday ☒ Wednesday


 Add schedule


16. In the **Security** section of this wizard you can configure


- User assignment
- Assigned identity
- Enabling SSH access

We will be leaving the default settings and click **Next**

**Security**  
Configure security settings such as SSH, virtual network, root access, and managed identity for your compute instance.

**User assignment**  
☒ Assign to another user 

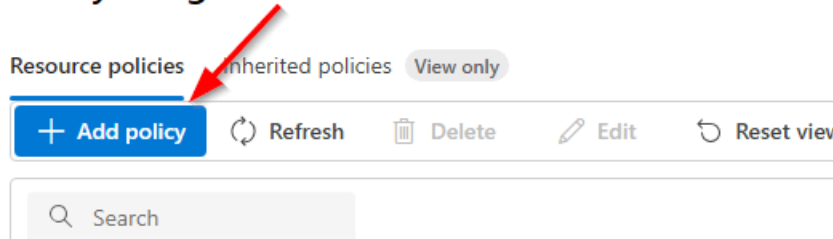
**Assigned identity**  
☒ Assign a managed identity 

**SSH**  
☒ Enable SSH access 

1. Leave the default settings for the **Tags** section and click **Next**

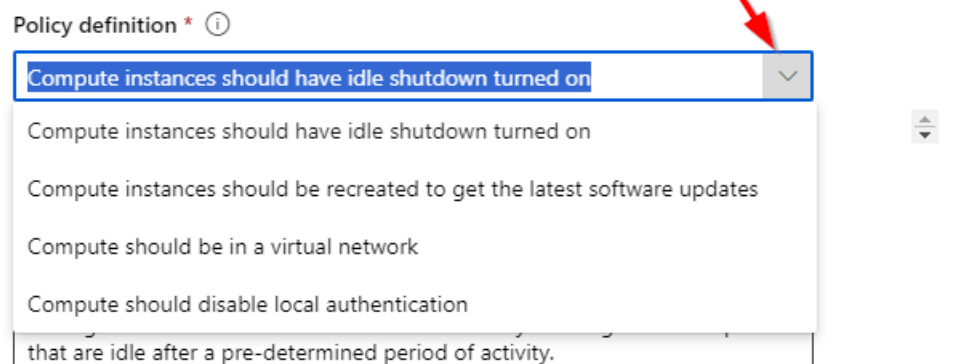
2. We aren't going to create a **Compute instance** that is dedicated for this so click the **Cancel** button to close the wizard. Then click the **Leave** popup button.
3. Click on the **Connected resources** button in the side navigation
4. Here are all the resources that are currently available. We walked through the steps to add a new **Connected resource** in the first exercise.
5. In the navigation click on the **Policies** button
6. Click on the **Add policy** button

## Policy assignments

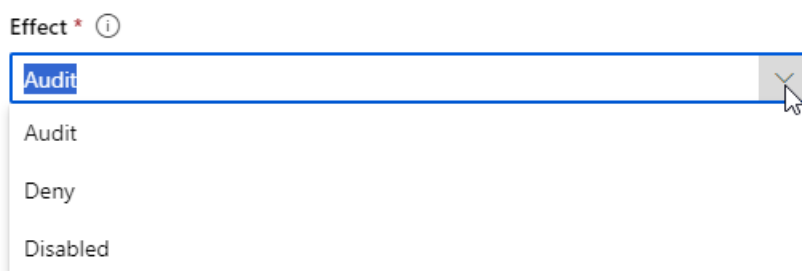


7. Expand the first dropdown to see the available policy options. Select the policy that says **Compute instances should have idle shutdown turned on**

## Add policy assignment

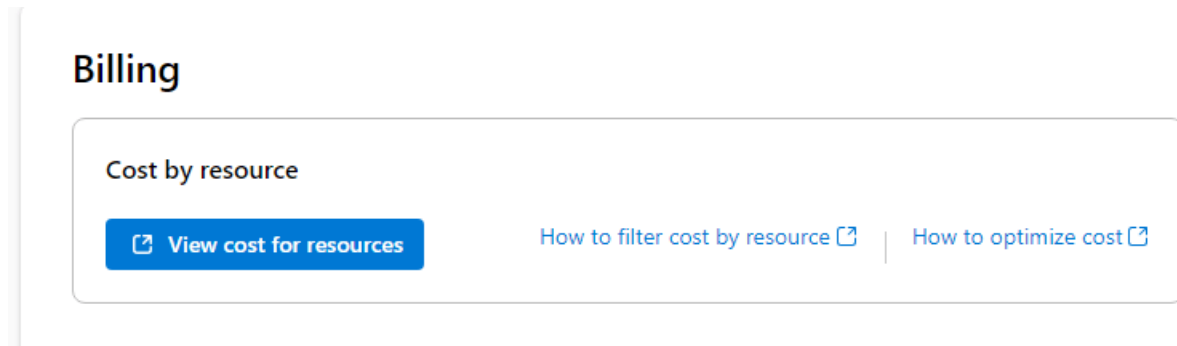


8. In the **Effect** section expand the options and leave the default at **Audit**



9. Click the **Cancel** button to stop creating a new policy

- Click on the **Billing** link in the side navigation
- Click on the **View cost for resources** button to open a new tab.



- By default the **Cost analysis** is broken down by **Resource Group** so it is very important to use dedicated **Resource Groups** for each Hub

Home >

### Cost analysis

Save Save as Delete view Share Subscribe Refresh Download Cost by resource Configure resource group Try preview Help

How would you rate understanding and analyzing costs? →

Scope: democopilot VIEW CustomView May 2024

ACTUAL COST (USD) \$5.96 FORECAST: CHART VIEW ON BUDGET: NONE

Group by: Resource Granularity: None Table

Filter items 7 rows

Resource	Resource type	Location	Resource group name	Tags	Cost ↑↓
> mysearchv222	Search service	us east	democopilot	--	\$5.15
> democopilot-c_ai	Azure Machine Learning workspace	us east	democopilot	azsecpack:prodhobo platformsetting...	\$0.56
> democopilot-c-9304	Azure Machine Learning workspace	us east	democopilot	amlresourcetype:provisioner.batch c...	\$0.19
> ai-democopilotca467206846101	Azure AI services	us east	democopilot	deployment:text-embedding-ada-002...	\$0.04
> stdemocopilo467206846101	Storage account	us east	democopilot	--	\$0.02
> kv-democopi467206846101	Key vault	us east	democopilot	--	<\$0.01
> kv-democopi467206846101	Key vault	global	democopilot	--	<\$0.01