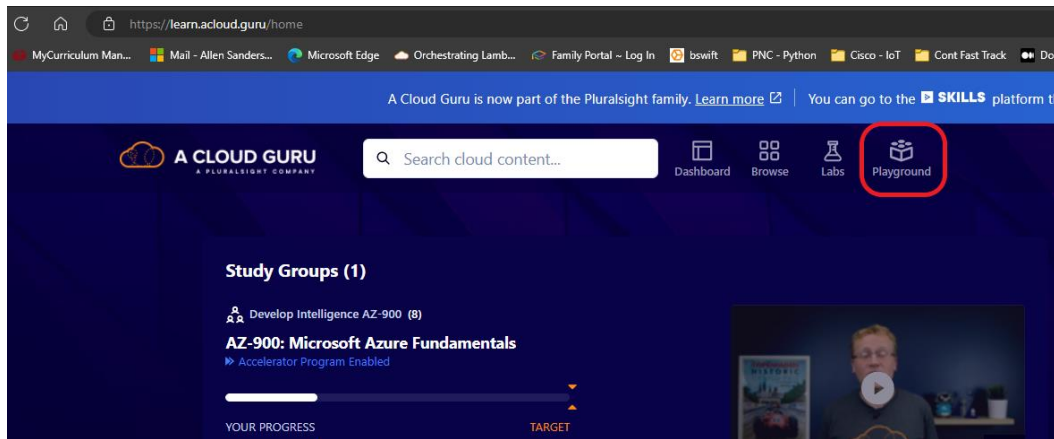
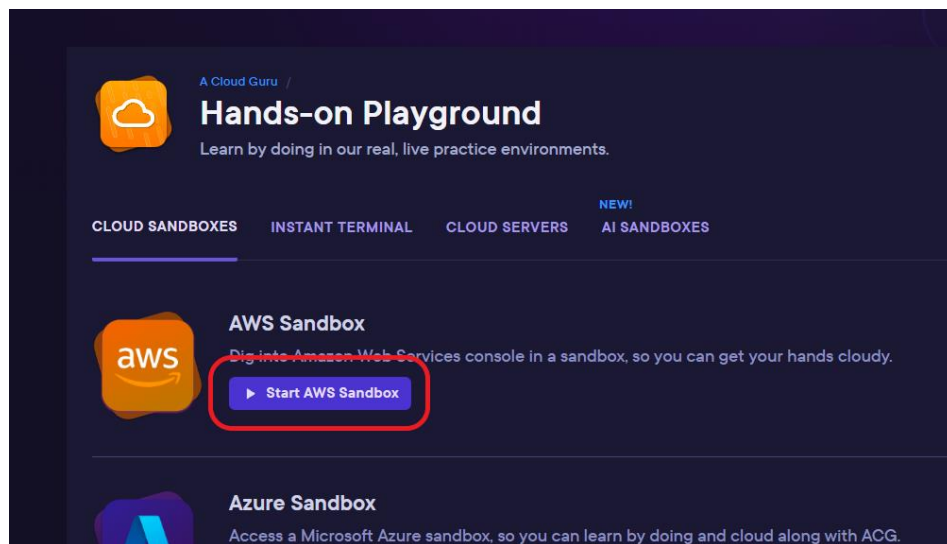


A Cloud Guru Cloud9 Setup Instructions

1. Log in to A Cloud Guru and click the “Playground” icon:



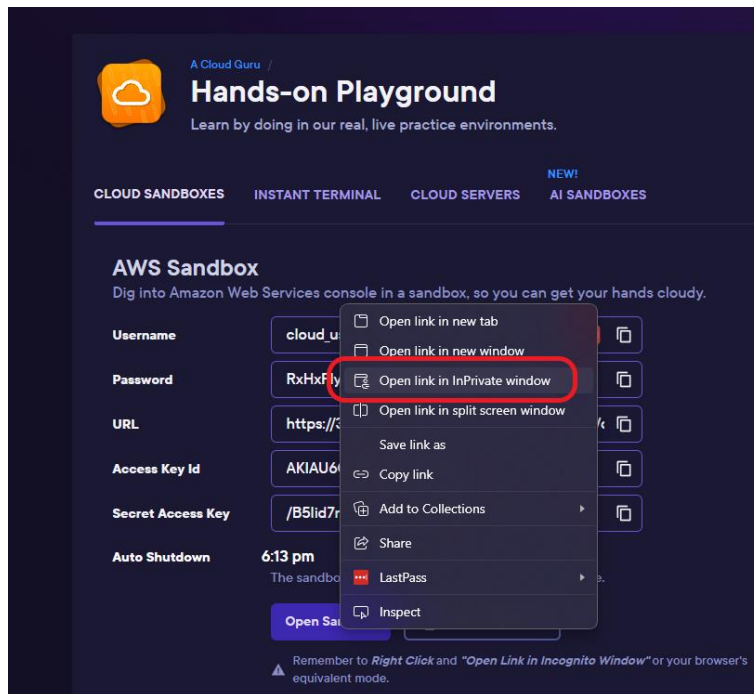
2. Click “Start AWS Sandbox” to create a new temporary AWS Sandbox account:



3. Using the provided sandbox details, right click the “Open Sandbox” button and choose to open in either an incognito window or an in-private window (depending on the browser being used):

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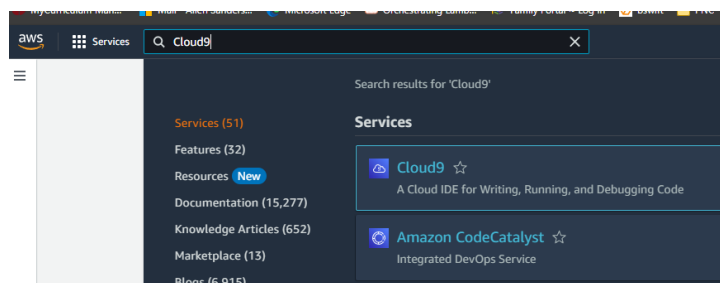
Cloud9 Setup Instructions



4. Use the provided credentials (Username and Password) to log in to the sandbox account:

The screenshot shows the AWS IAM user login page. It has fields for 'IAM user name' (cloud_user) and 'Password' (masked with dots). There is a checkbox for 'Remember this account' and a blue 'Sign in' button. Below the button are links for 'Sign in using root user email' and 'Forgot password?'. On the right, there is a partial view of a sidebar with the text 'Find', 'Boost', '600+', 'AWS S', and 'Learn'.

5. In the AWS Management Console, search for and click "Cloud9":



6. Click "Create Environment"
7. Provide a name for the Cloud9 environment in the "Details" section

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Cloud9 Setup Instructions

- Under the “New EC2 Instance” section, select “Additional instance types” and pick “t3.medium” from the “Additional instance types” dropdown (this will provide a slightly larger instance for lab purposes and will help avoid out of memory errors):

New EC2 instance

Instance type [Info](#)
The memory and CPU of the EC2 instance that will be created for Cloud9 to run on.

☐ t2.micro (1 GiB RAM + 1 vCPU)
Free-tier eligible. Ideal for educational users and exploration.

☐ t3.small (2 GiB RAM + 2 vCPU)
Recommended for small web projects.

☐ m5.large (8 GiB RAM + 2 vCPU)
Recommended for production and most general-purpose development.

☒ **Additional instance types**
Explore additional instances to fit your need.

Additional instance types
t3.medium

Platform [Info](#)
This will be installed on your EC2 instance. We recommend Amazon Linux 2023.

Amazon Linux 2023

- Leave all other settings at their defaults and click “Create” to create the new Cloud9 environment
- On successful creation of the environment, click the provided link to drill down into environment settings:

Successfully created: arslab. To get the most out of your environment, see [Best practices for using AWS Cloud9](#)

For capabilities similar to AWS Cloud9, explore AWS Toolkits in your own IDE and AWS CloudShell in the AWS Management Console. [Learn more](#)

AWS Cloud9 > Environments

Environments (1) [Delete](#) [View details](#)

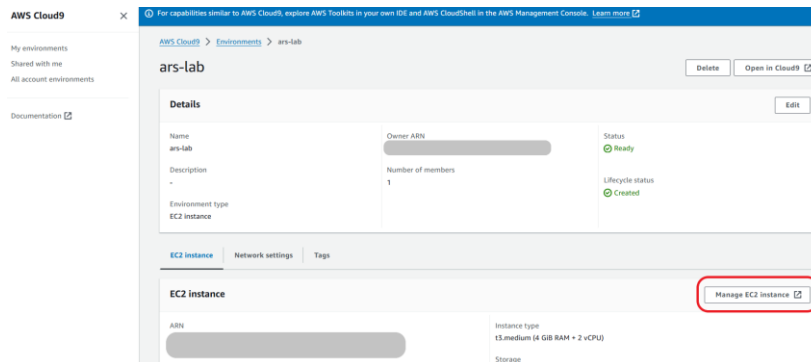
My environments

	Name ▲	Cloud9 IDE Info	Environment type	Connection	Permission	
<input type="radio"/>	arslab	Open	EC2 instance	AWS Systems Manager (SSM)	Owner	

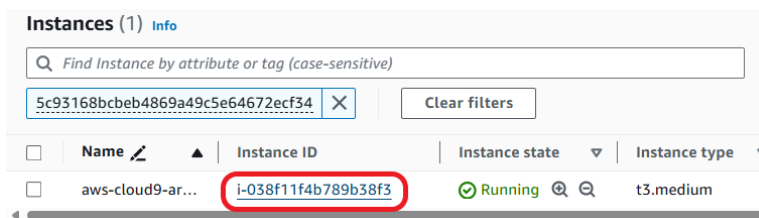
- Click “Manage EC2 instance”

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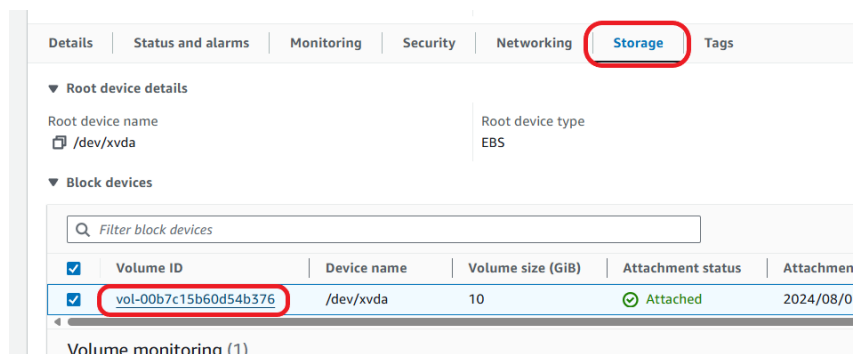
Cloud9 Setup Instructions



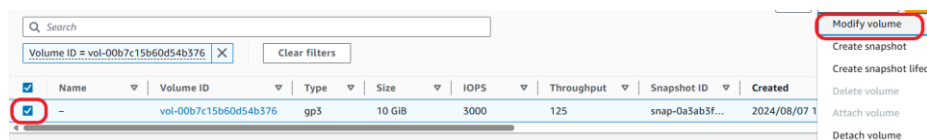
12. Click the provided “Instance ID” link



13. Scroll toward the bottom and click “Storage”, then click the provided “Volume ID” link:



14. Click the checkbox next to the volume and select “Modify volume” from “Action”:



15. For “Size”, change 10 to 30 (this will provide additional storage and help to avoid out of storage errors) and click “Modify”:

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Cloud9 Setup Instructions

Volume details

Volume ID
vol-00b7c15b60d54b376

Volume type [Info](#)
General Purpose SSD (gp3)

Size (GiB) [Info](#)
30
Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS [Info](#)
3000
Min: 3000 IOPS, Max: 16000 IOPS. The value must be an integer.

Throughput (MiB/s) [Info](#)
125
Min: 125 MiB, Max: 1000 MiB. Baseline: 125 MiB/s.

Cancel **Modify**

16. Click “Modify” a second time when presented with the confirmation dialog:

Modify vol-00b7c15b60d54b376?

If you are increasing the size of the volume, you must extend the file system to the new size of the volume. You can only do this when the volume enters the optimizing state. For more information see [Extend the file system after resizing an EBS volume](#).

The modification might take a few minutes to complete.

You are charged for the new volume configuration after volume modification starts. For pricing information, see [Amazon EBS Pricing](#).

Are you sure that you want to modify vol-00b7c15b60d54b376?

Cancel **Modify**

17. Navigate back to Cloud9 either using a pre-existing browser tab (if available) or by searching for Cloud9 and selecting from the list of available AWS services
18. Click “Manage EC2 instance” once more, select the checkbox next to the instance, and click “Reboot instance” from “Instance state” – click “Reboot” to confirm; this will help to ensure that the Cloud9 environment registers the expanded volume size:

Instances (1/1) [Info](#)

Find instance by attribute or tag (case-sensitive) All states

5c93168bcb4869a49c5e64672ecf34 Clear filters

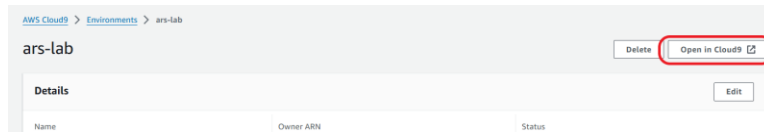
<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm
<input checked="" type="checkbox"/>	aws-cloud9-ar...	i-038f11f4b789b38f3	Running	t3.medium	2/2 checks passed	View

Instance state dropdown: Stop instance, Start instance, **Reboot instance**, Hibernate instance, Terminate instance

19. Navigate back to Cloud9 and click “Open in Cloud9”

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Cloud9 Setup Instructions



20. Once the Cloud9 IDE is available in your browser, you can close the “Welcome” tab

21. In the provided terminal, execute “lsblk” to verify that the Cloud9 environment has picked up the new disk size:

