

Provisioning EC2 Virtual Machines

In this workshop your goal is to write Terraform code to provision an AWS EC2 virtual machine.

AWS Console

- Open AWS Academy



aws ALLFv1-18470

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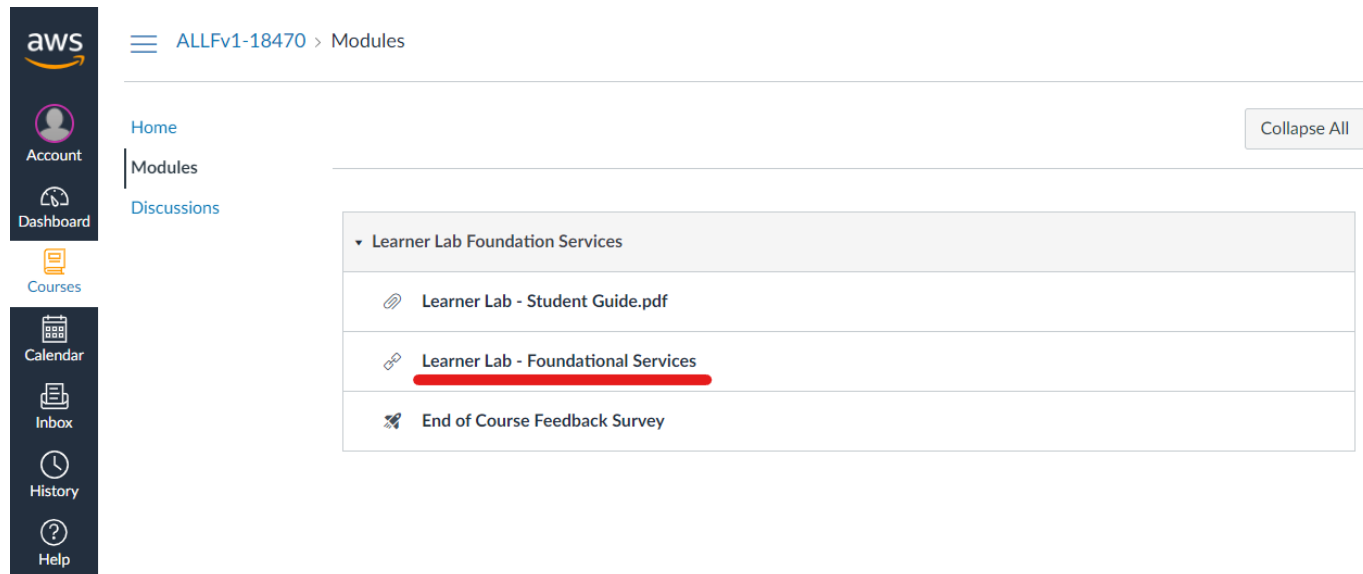
AWS Academy Learner Lab - Foundation Services [18470]

View Course Stream
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To Do
Nothing for now

AWS Academy Learner Lab - Foundation Services provides a long-running sandbox environment for ad hoc exploration of AWS services. Within this class, students will have access to **a restricted set of AWS services**. Not all AWS documentation walk-through or sample labs that operate in an AWS Production account will work in the sandbox environment. You will retain access to the AWS resources set up in this environment for the duration of this course. We limit your budget (\$100), so you should exercise caution to prevent charges that will deplete your budget too quickly. If you exceed your budget, you will lose access to your environment and lose all of your work.

- Open the AWS Console in your course











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▼ Learner Lab Foundation Services

- Learner Lab - Student Guide.pdf
- Learner Lab - Foundational Services**
- End of Course Feedback Survey



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AWS ●

▶ Start Lab

■ End Lab

🔍 AWS Details

📖 Readme

↺ Reset

✕

```
ddd_v1_w_HZ5_1167374@runweb53227:~$
```

EN-US ▾

Learner Lab - Foundational Level

[Environment Overview](#)
[Environment Navigation](#)
[Access the AWS Management Console](#)
[Region restriction](#)
[Service usage and other restrictions](#)

- Use your credentials for Terraform
 - aws_access_key_id
 - aws_secret_access_key
 - aws_session_token

AWS ●

03:59

⚙ Start Lab

■ End Lab


🔍 AWS Details

📖 Readme

↺ Reset

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Used \$0 of \$100



Cloud Access

AWS CLI: Show

Cloud Labs
Remaining session time: 03:58:39(239 minutes)
Session started at: 2022-04-12T06:33:21-0700
Session to end at: 2022-04-12T10:33:35-0700

Accumulated lab time: 00:01:35 (2 minutes)

No running instance

SSH key Show Download PEM Download PPK

AWS SSO Download URL

AWS

03:59

Start Lab

End Lab

AWS Details

Readme

Reset

✕

Used \$0 of \$100



Cloud Access

Close

AWS CLI:

Copy and paste the following into ~/.aws/credentials

[default]

aws_access_key_id=A

aws_secret_access_key=d

avzgt

aws_session_token=

Cloud Labs

Remaining session time: 03:58:39(239 minutes)

Session started at: 2022-04-12T06:33:21-0700

Session to end at: 2022-04-12T10:33:35-0700

Accumulated lab time: 00:01:35 (2 minutes)

No running instance

SSH key

Show

Download PEM

Download PPK

AWS SSO

Download URL

Terraform

- Use the setup from the previous workshop
- Create more than one instance
- Create a load balancer
- The load balancer should route to the created instances
- Output the load balancers DNS address
- Upload your project to GitHub
- Create a workflow that creates the Terraform configuration
 - The workflow should be started manually
- Create a workflow that destroys the Terraform configuration
 - The workflow should be started manually
- Answer the question in your Readme: Why do we need Terraform Cloud (or another backend) when we use CI/CD?

Hint: Use the tutorial linked in the self study section as a guide.

Submission

Use your .tf file(s) and git project for the submission. **Each instruction has to be commented in your own words** (what is it for, what does it do). Do not copy the Terraform documentation. **Add a link to your GitHub repository to your Readme file.** The final submission in Terraform Workshop 3 will include all files from the previous Terraform workshops.

Last modified: Wednesday, 13 April 2022, 3:23 PM