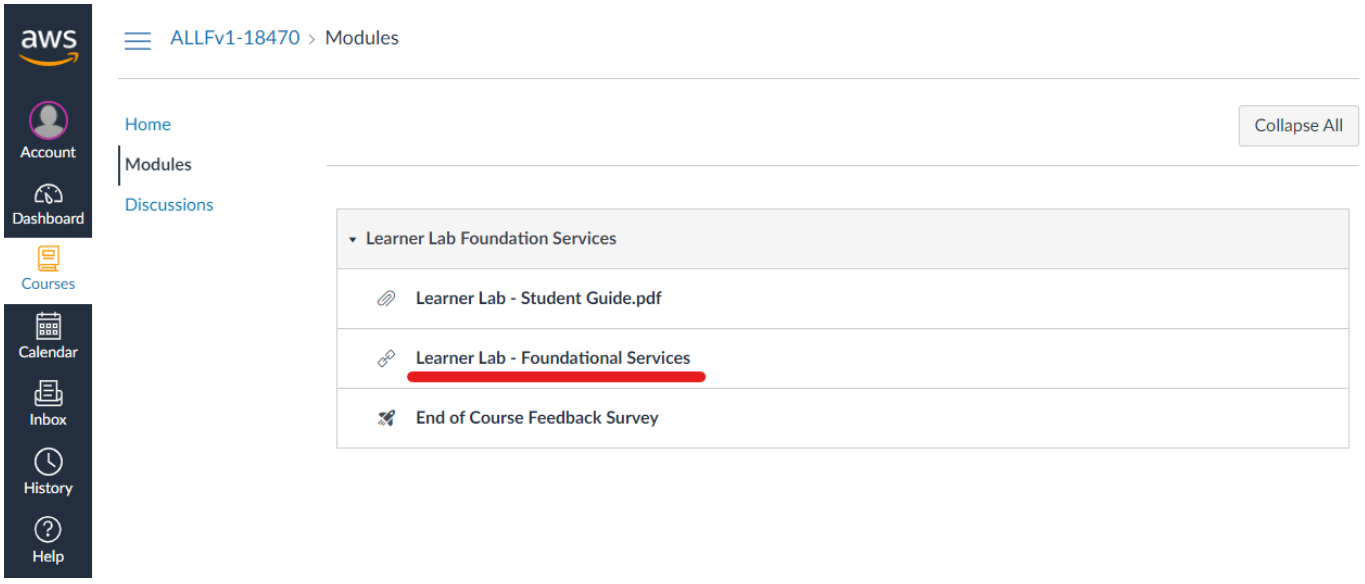
Provisioning EC2 Virtual Machines

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

AWS Console

- Open AWS Academy

- Open the AWS Console in your course



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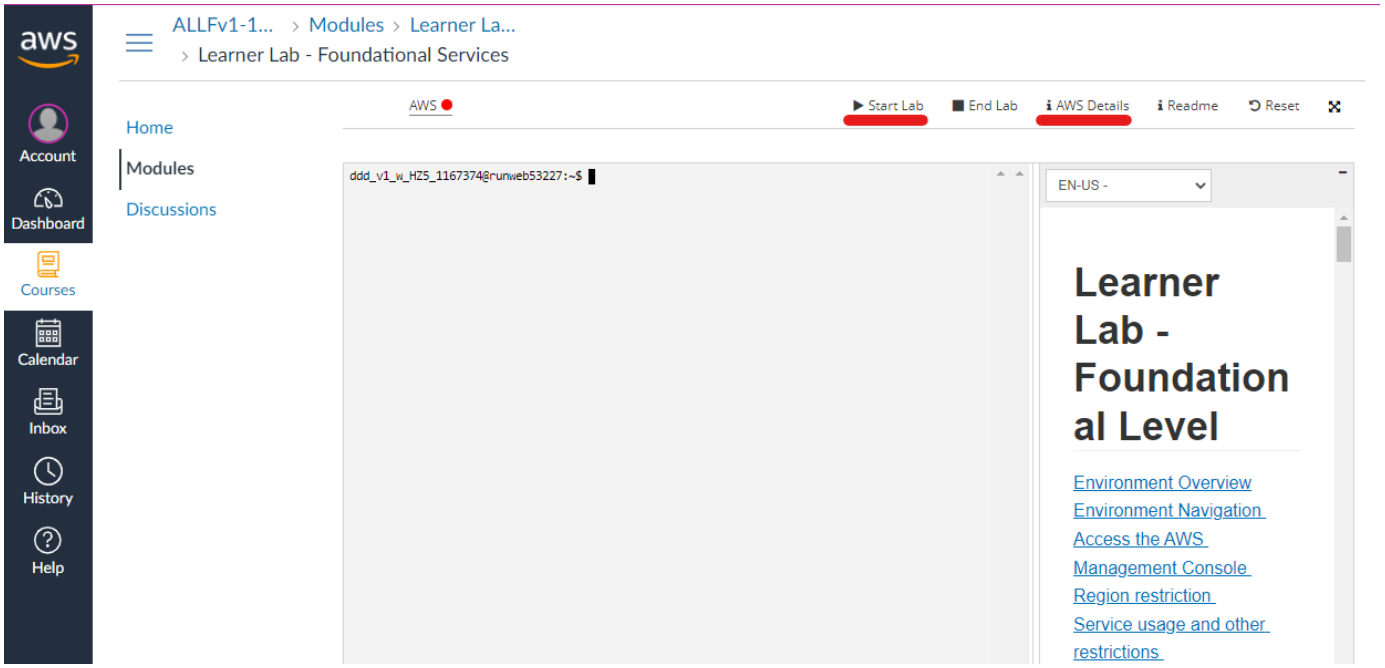
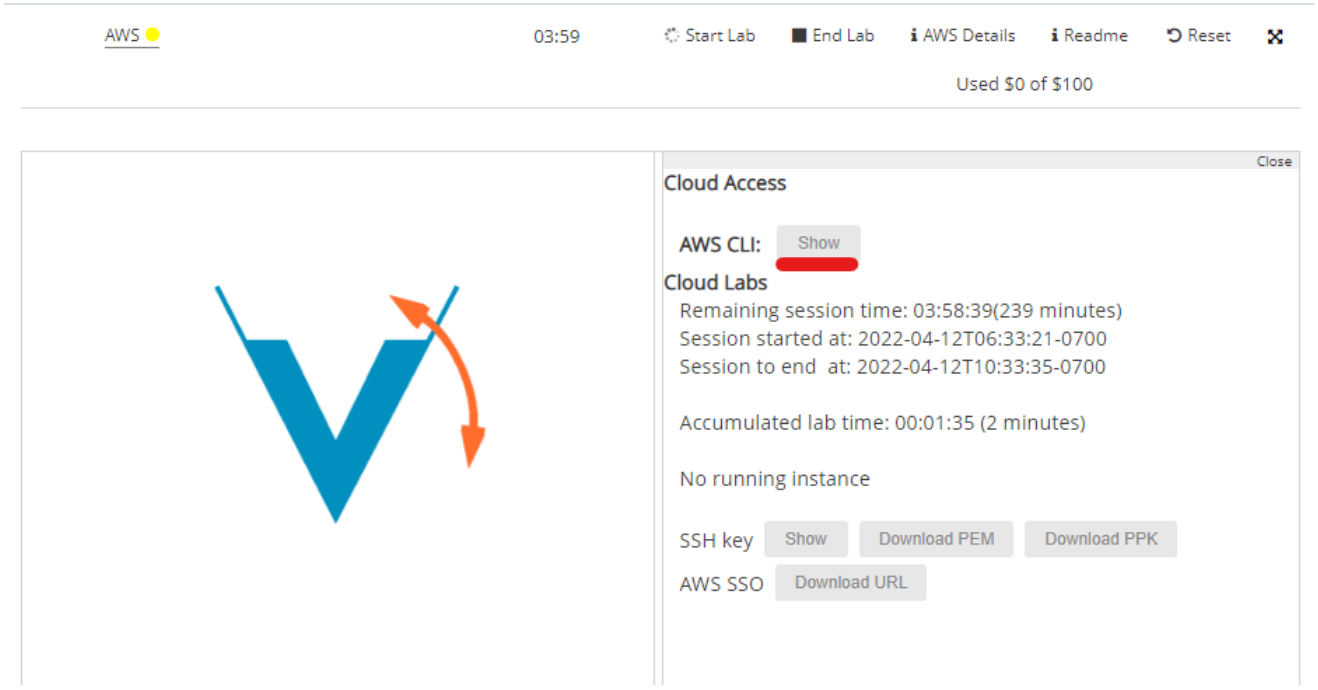


- Use your credentials for Terraform
  - aws_access_key_id
  - aws_secret_access_key
  - aws_session_token



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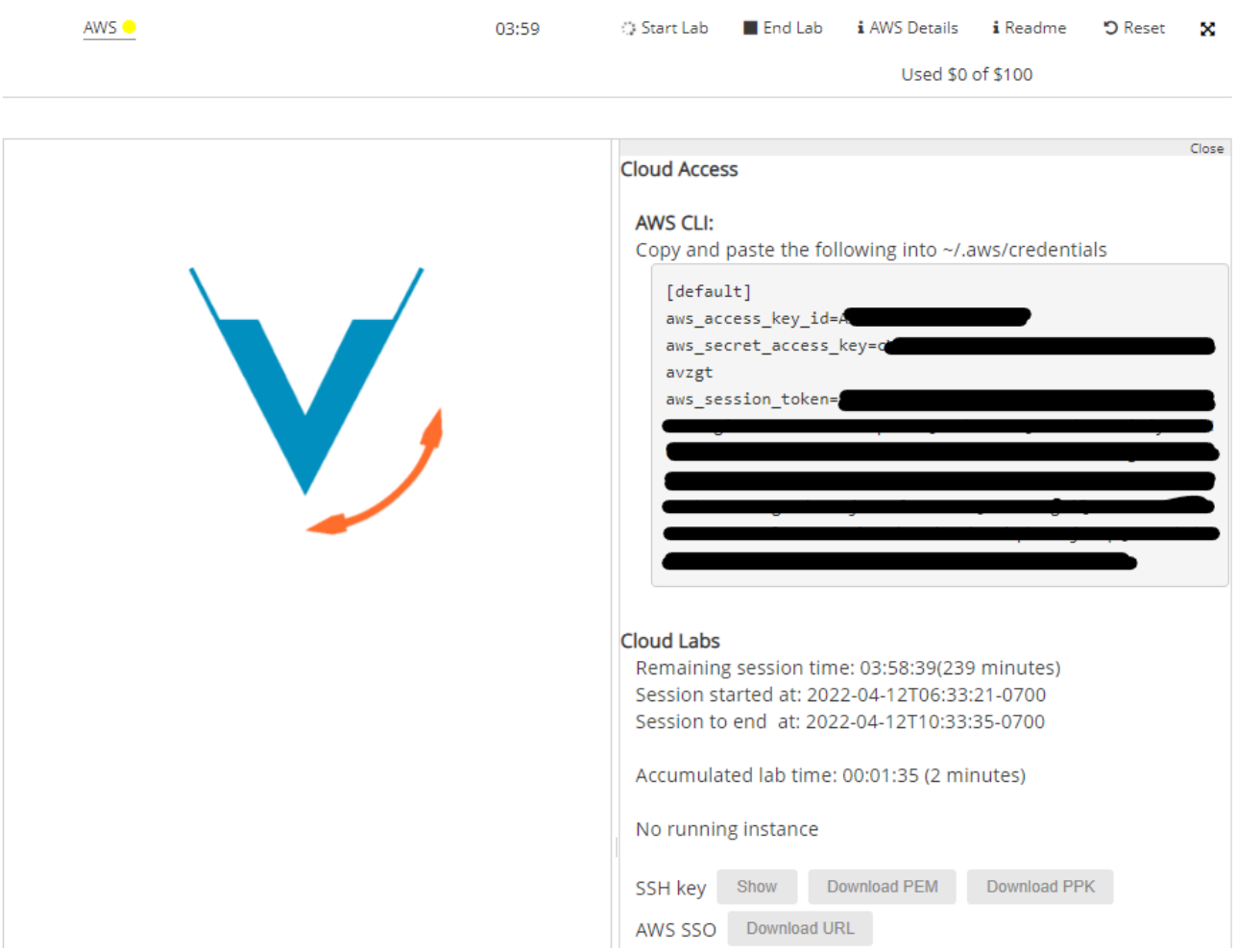

Terraform

- 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

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