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# CompTIA Cloud+

Enhance your abilities to assess a current server infrastructure for cloud readiness and migration of physical or virtual servers to a public cloud platform.



**Lab ID:** CV0-002 • **Category:** Cloud • **Skill Level:** Intermediate • **Duration:** 6 hrs

## Lab Outline

The Cloud+ Practice Lab will provide you with the necessary platform to gain hands on skills in a Private cloud environment. By completing the tasks, you will increase your practical skills in administering, maintaining and managing different private cloud resources.

The CompTIA Cloud+ (CV0-002) tasks will help you understand the objectives required by the CompTIA CV0-002 certification exam.

## Outcomes

*After completing this Practice Lab, students will be able to:*

- install the Microsoft assessment and planning toolkit
- determine which virtual machines can be migrated to a Microsoft Azure Virtual machine by using the Microsoft assessment and planning toolkit
- explain OpenStack usage in a cloud environment
- create a security group for an instance and add a required rule to it
- create a security group for an OpenStack instance
- soft & hard reboot an instance
- verify the status of essential services in an OpenStack environment
- create a partition for an instance on OpenStack
- diagnose OpenStack keystone service issues
- troubleshoot the Horizon web application

## Modules

*Here are some of the highlights of the modules:*

- install Microsoft assessment and planning toolkit
- assess current virtual infrastructure for Cloud readiness
- interpret results from the Cloud readiness assessment in Excel format
- OpenStack and it's components
- verifying OpenStack deployment
- define security groups for OpenStack instances
- manage projects, users and roles in OpenStack
- back-up and restore configuration file
- create an instance in an OpenStack environment
- verify resource utilisation in an OpenStack environment
- verify the status of essential services in an OpenStack environment
- administer an OpenStack environment
- administer network resources
- diagnose and troubleshoot OpenStack services
- troubleshoot the horizon web application (OpenStack Dashboard)