

Started on Monday, 17 November 2025, 11:48 AM

State Finished

Completed on Monday, 17 November 2025, 11:55 AM

Time taken 7 mins 5 secs

Marks 20.00/22.00

Grade **90.91** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

A key characteristic of idempotent automation (e.g., Ansible tasks) is:

- a. Running it multiple times leads to different results each time
- b. It executes only once
- c. It can only be run on Linux
- d. Running it multiple times leads to the same final state

Question 2

Complete

Mark 1.00 out of 1.00

Amazon Linux is best described as:

- a. A desktop Linux distribution for end users
- b. A real-time OS
- c. A Windows-based OS for EC2
- d. A lightweight Linux distribution optimized for AWS environments

Question 3

Complete

Mark 1.00 out of 1.00

AWS CloudFormation templates are usually written in:

- a. HCL
- b. CSV
- c. JSON or YAML
- d. Bash

Question 4

Complete

Mark 0.00 out of 1.00

Chef uses which concepts for defining server configurations?

- a. Charts and Releases
- b. Manifests and Catalogs
- c. Cookbooks and Recipes
- d. Playbooks and Roles

Question 5

Complete

Mark 1.00 out of 1.00

Compared to manually configuring servers, using IaC (Terraform, CloudFormation, etc.) mainly improves:

- a. GUI usability
- b. CPU speed
- c. Reproducibility, versioning, and automated provisioning
- d. Hardware lifespan

Question 6

Complete

Mark 1.00 out of 1.00

In a typical Linux shell script, the first line `#!/bin/bash` is called:

- a. Shebang (hashbang)
- b. Execution directive
- c. Prompt command
- d. Comment line

Question 7

Complete

Mark 1.00 out of 1.00

In Linux, to modify a file's permissions you would use:

- a. chmod
- b. grep
- c. ping
- d. cp

Question 8

Complete

Mark 1.00 out of 1.00

In Puppet, configurations are typically written in:

- a. Puppet's declarative manifest language
- b. HTML
- c. Pure Bash scripts
- d. Java

Question 9

Complete

Mark 1.00 out of 1.00

On a Linux server, you want a script to run every day at 2:00 AM automatically. Which facility would you typically use?

- a. ps
- b. cron
- c. scp
- d. ping

Question 10

Complete

Mark 1.00 out of 1.00

On Ubuntu, which command is primarily used for installing packages?

- a. zypper
- b. yum
- c. dnf
- d. apt or apt-get

Question 11

Complete

Mark 1.00 out of 1.00

Terraform configuration files are typically written in:

- a. HCL (HashiCorp Configuration Language)
- b. XML
- c. YAML only
- d. JSON only

Question 12

Complete

Mark 1.00 out of 1.00

Terraform uses a state file primarily to:

- a. Replace version control
- b. Store Terraform's source code
- c. Store user passwords
- d. Track the mapping between real infrastructure resources and configuration

Question 13

Complete

Mark 1.00 out of 1.00

The Nix shell (within the Nix ecosystem) is primarily used to:

- a. Create reproducible, isolated development environments
- b. Replace the Linux kernel
- c. Run Windows-only applications
- d. Format JSON files

Question 14

Complete

Mark 0.00 out of 1.00

Which configuration management tool is agentless and typically uses SSH to connect to target machines?

- a. Puppet
- b. Chef
- c. Ansible
- d. SaltStack

Question 15

Complete

Mark 1.00 out of 1.00

Which Linux distribution is commercially supported by Red Hat?

- a. Debian
- b. Ubuntu
- c. RHEL
- d. CentOS Stream

Question 16

Complete

Mark 1.00 out of 1.00

Which of the following best describes immutable infrastructure?

- a. Servers are replaced with new instances when changes are required, rather than modified in-place
- b. Infrastructure that never fails
- c. Infrastructure that cannot be created via code
- d. Servers are updated in-place with patches

Question 17

Complete

Mark 1.00 out of 1.00

Which of the following tasks is most appropriate for a shell or PowerShell script rather than manual execution?

- a. Clicking through a GUI to create one user
- b. Drawing a network diagram
- c. Writing a Word document
- d. Repeatedly deploying and configuring 50 servers with the same steps

Question 18

Complete

Mark 1.00 out of 1.00

Which scripting language is native to Windows and used for automating administrative tasks?

- a. Perl
- b. PowerShell
- c. Nix shell
- d. Bash

Question 19

Complete

Mark 1.00 out of 1.00

Which statement best describes Infrastructure as Code (IaC)?

- a. Managing infrastructure configuration in version-controlled, machine-readable files
- b. Writing shell scripts only for local automation
- c. Delegating all infrastructure tasks to managed services
- d. Using only GUI tools in the cloud console

Question 20

Complete

Mark 1.00 out of 1.00

Which Terraform command shows the changes that will be made without actually applying them?

- a. terraform init
- b. terraform apply
- c. terraform destroy
- d. terraform plan

Question 21

Complete

Mark 1.00 out of 1.00

Which tool is best suited for text processing and one-liners on Unix systems (e.g., parsing logs, manipulating strings)?

- a. Photoshop
- b. PowerPoint
- c. Excel
- d. Perl

Question 22

Complete

Mark 1.00 out of 1.00

Which tool is cloud-agnostic and commonly used to provision infrastructure across AWS, GCP, and Azure?

- a. AWS CloudFormation
- b. Google Deployment Manager
- c. Azure Resource Manager Templates
- d. Terraform