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**CLOUD DEVOPS (EPAM) 2023-2024 EVEN SEMESTER QUIZ3**

<b>Started on</b>	Wednesday, 27 March 2024, 1:33 AM
<b>State</b>	Finished
<b>Completed on</b>	Wednesday, 27 March 2024, 1:37 AM
<b>Time taken</b>	4 mins 6 secs
<b>Marks</b>	17.00/20.00
<b>Grade</b>	8.50 out of 10.00 (85%)

**Question 1** Correct Mark 1.00 out of 1.00

Which Ansible module is used to install packages on remote servers?

- ☐ a. install
- ☒ b. package ✓
- ☐ c. apt
- ☐ d. yum

The correct answer is: package

**Question 2** Correct Mark 1.00 out of 1.00

What is the purpose of Terraform providers?

- ☐ a. To manage authentication to cloud providers
- ☒ b. To interact with APIs of cloud providers ✓
- ☐ c. To generate Terraform configuration files automatically
- ☐ d. To define the configuration of infrastructure resources

The correct answer is: To interact with APIs of cloud providers

**Question 3** Correct Mark 1.00 out of 1.00

In Terraform, what does a resource represent?

- ☐ a. A type of virtual machine
- ☒ b. A piece of infrastructure ✓
- ☐ c. A network protocol
- ☐ d. A physical server

The correct answer is: A piece of infrastructure

**Question 4** Incorrect Mark 0.00 out of 1.00

What is the primary configuration file format used in Ansible?

- ☐ a. XML
- ☐ b. JSON
- ☒ c. YAML ✗
- ☐ d. INI

The correct answer is: INI

**Question 5** Incorrect Mark 0.00 out of 1.00

Which Ansible command is used to check the syntax of Ansible playbooks?

- ☒ a. ansible-syntax-check ✗
- ☐ b. ansible-playbook-syntax
- ☐ c. ansible-playbook-check
- ☐ d. ansible-check

The correct answer is: ansible-playbook-syntax

**Question 6** Correct Mark 1.00 out of 1.00

What is the purpose of a Terraform state file?

- ☐ a. To store backups of the infrastructure
- ☐ b. To store the configuration of the infrastructure
- ☐ c. To store logs of Terraform operations
- ☒ d. To store the current state of the infrastructure ✓

The correct answer is: To store the current state of the infrastructure

**Question 7** Correct Mark 1.00 out of 1.00

What is the purpose of the terraform plan command?

- ☐ a. To apply changes to the infrastructure
- ☐ b. To view the current state of the infrastructure
- ☒ c. To create an execution plan ✓
- ☐ d. To destroy the infrastructure

The correct answer is: To create an execution plan

**Question 8** Correct Mark 1.00 out of 1.00

What is the purpose of Ansible roles?

- ☐ a. To manage authentication in Ansible
- ☐ b. To define the structure of playbooks
- ☐ c. To define variables for Ansible playbooks
- ☒ d. To group related tasks and configurations ✓

The correct answer is: To group related tasks and configurations

**Question 9** Correct Mark 1.00 out of 1.00

Which Terraform feature allows you to reference outputs from one module in another module?

- ☐ a. Data sources
- ☐ b. Variables
- ☒ c. Outputs ✓
- ☐ d. Modules

The correct answer is: Outputs

**Question 10** Correct Mark 1.00 out of 1.00

What is an Ansible inventory file used for?

- ☐ a. To define variables for Ansible playbooks
- ☐ b. To define the structure of Ansible playbooks
- ☐ c. To manage authentication in Ansible
- ☒ d. To specify the hosts on which Ansible tasks will be executed ✓

The correct answer is: To specify the hosts on which Ansible tasks will be executed

**Question 11** Correct Mark 1.00 out of 1.00

Which Terraform command is used to apply changes to the infrastructure?

- ☒ a. terraform apply ✓
- ☐ b. terraform run
- ☐ c. terraform deploy
- ☐ d. terraform execute

The correct answer is: terraform apply

**Question 12** Correct Mark 1.00 out of 1.00

Which command is used to execute Ansible playbooks?

- ☒ a. ansible-playbook ✓
- ☐ b. ansible run
- ☐ c. ansible exec
- ☐ d. ansible apply

The correct answer is: ansible-playbook

**Question 13** Correct Mark 1.00 out of 1.00

Which of the following best describes Terraform?

- ☐ a. An orchestration tool
- ☒ b. An infrastructure as code tool ✓
- ☐ c. A version control system
- ☐ d. A configuration management tool

The correct answer is: An infrastructure as code tool

**Question 14** Correct Mark 1.00 out of 1.00

Which of the following cloud providers does Terraform support?

- ☐ a. Google Cloud Platform
- ☐ b. Azure
- ☒ c. All of the above ✓
- ☐ d. AWS

The correct answer is: All of the above

**Question 15** Correct Mark 1.00 out of 1.00

What type of tool is Ansible?

- ☐ a. All of the above
- ☐ b. Orchestration
- ☐ c. Configuration management
- ☒ d. Automation ✓

The correct answer is: Automation

**Question 16** Correct Mark 1.00 out of 1.00

What is the default transport mechanism used by Ansible for communication with remote servers?

- ☐ a. UDP
- ☐ b. HTTP
- ☐ c. TCP
- ☒ d. SSH ✓

The correct answer is: SSH

**Question 17** Correct Mark 1.00 out of 1.00

Which of the following commands is used to initialize a Terraform project?

- ☐ a. terraform configure
- ☐ b. terraform start
- ☒ c. terraform init ✓
- ☐ d. terraform setup

The correct answer is: terraform init

**Question 18** Correct Mark 1.00 out of 1.00

What language is primarily used to define infrastructure in Terraform?

- ☐ a. JSON
- ☒ b. HCL (HashiCorp Configuration Language) ✓
- ☐ c. XML
- ☐ d. YAML

The correct answer is: HCL (HashiCorp Configuration Language)

**Question 19** Correct Mark 1.00 out of 1.00

Which Ansible module is used to manage files and directories on remote servers?

- ☐ a. copy
- ☒ b. file ✓
- ☐ c. template
- ☐ d. script

The correct answer is: file

**Question 20** Incorrect Mark 0.00 out of 1.00

Which of the following best describes Ansible's architecture?

- ☐ a. Agent-Server
- ☒ b. Agentless ✗
- ☐ c. Master-Slave
- ☐ d. Client-Server

The correct answer is: Agent-Server

◀ QUIZ2

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