Practice Quiz: Automating Cloud Deployments

TOTAL POINTS 5

1. In order to detect and correct errors before end users are affected, what technique(s) should we set up? **1 / 1 point**

- (•) Monitoring and alerting
- ( ) Orchestration
- ( ) Autoscaling
- ( ) Infrastructure as Code

✓ **Correct**

You got it! Monitoring and alerting allows us to monitor and correct incidents or failures before they reach the end user.

2. When accessing a website, your web browser retrieves the IP address of a specific node in order to load the site. What is this node called? **1 / 1 point**

- Gate node
- (•) Entry point
- Access machine
- Front line

✓ **Correct**

Awesome! When you connect to a website via the Internet, the web browser first receives an IP address. This IP address identifies a particular computer: the entry point of the website.

3. What simple load-balancing technique just assigns to each node one request at a time? **1 / 1 point**

- Random
- (•) Round Robin
- Least connections
- Source IP

✓ **Correct**

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Correct

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4. Which cloud automation technique spins up more VMs into instance groups when demand increases, and shuts down VMs when demand decreases? **1 / 1 point**

- Infrastructure as Code
- Autoscaling
- Load Balancing
- Orchestration

Correct

Way to go! Autoscaling helps us save costs by matching resources with demand automatically.

5. Which of the following are examples of orchestration tools used to manage cloud resources as code? (Check all that apply)

1 / 1 point

- [x] Terraform

Correct

Woohoo! Like Puppet, Terraform uses its own domain specific language (DSL), and manages configuration resources as code.

- [x] CloudFormation

Correct

Nice job! CloudFormation is a service provided by Amazon to assist in modeling and managing AWS resources.

- [x] Azure Resource Manager

Correct

Excellent! Azure Resource Manager is the deployment and management service for Azure. It provides a management layer that enables you to create, update, and delete resources.

- [ ] CloudFlare