

Managing and Configuring Cloud Environments

Part 1: Office Roleplay Dialogue

Scenario: A DevOps Engineer, Daisuke, is working with his colleague, Priya, to manage and configure their company's cloud environment.

Priya: Hey Daisuke, I need help setting up new servers in the cloud. Which **cloud service provider** are we using?

Daisuke: We mainly use AWS, but we also have some workloads running in Azure. Have you deployed any **virtual machines** before?

Priya: A few times, but I'm not familiar with **instance management**. How do we optimize it?

Daisuke: The key is **scaling**—making sure we only use the resources we need. We can set up auto-scaling rules.

Priya: That sounds useful. Can we also automate deployments in our **cloud computing** environment?

Daisuke: Yes! We use infrastructure as code, so we can spin up new environments quickly.

Priya: Great! I'll follow your lead on this and set up the configurations.

Daisuke: Perfect. Let's review security settings before launching anything.

Priya: Agreed. We don't want to risk any misconfigurations in production.

Daisuke: Exactly! Once everything is set, we'll run a test deployment.

Part 2: Comprehension Questions

1. Which cloud service providers does the company use?

- (A) Only Google Cloud
- (B) AWS and Azure
- (C) On-premise servers only
- (D) IBM Cloud

2. What is Priya unfamiliar with?

- (A) Virtual machines
- (B) Instance management
- (C) Network security
- (D) Database queries

3. What does Daisuke suggest to optimize cloud resources?

- (A) Buying more servers
- (B) Hiring more IT staff
- (C) Using scaling strategies
- (D) Disabling security settings

4. What step do they plan before launching configurations?

- (A) Ignoring security risks
- (B) Reviewing security settings
- (C) Skipping testing
- (D) Removing all restrictions

Part 3: Key Vocabulary Definitions in Japanese

1. **Cloud computing (クラウドコンピューティング)** – インターネット経由でコンピューターリソースやサービスを利用すること。
 2. **Cloud service provider (クラウドサービスプロバイダー)** – クラウドベースのインフラやサービスを提供する企業（例: AWS, Azure, Google Cloud）。
 3. **Virtual machines (仮想マシン)** – 物理サーバー上に作成されるソフトウェアベースのコンピューター。
 4. **Instance management (インスタンス管理)** – クラウド上の仮想サーバーを監視・管理すること。
 5. **Scaling (スケーリング)** – 必要に応じてクラウドリソースを増減させる仕組み。
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Part 4: Questions & Correct Answers

1. **Which cloud service providers does the company use?**
☒ (B) AWS and Azure
2. **What is Priya unfamiliar with?**
☒ (B) Instance management
3. **What does Daisuke suggest to optimize cloud resources?**
☒ (C) Using scaling strategies

4. What step do they plan before launching configurations?



(B) Reviewing security settings