

# 1z0-1104-25 Visual Cert Test, 1z0-1104-25 Exam Dumps Collection



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The Oracle Practice Test engine included with 1z0-1104-25 exam questions simulates the actual 1z0-1104-25 examinations. This is excellent for familiarizing yourself with the Oracle Cloud Infrastructure 2025 Security Professional and learning what to expect on test day. You may also use the Oracle 1z0-1104-25 online practice test engine to track your progress and examine your answers to determine where you need to improve on the 1z0-1104-25 exam.

## Oracle 1z0-1104-25 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Implementing Identity and Access Management (IAM): This section of the exam measures skills of OCI Administrators and focuses on identity and access controls. It covers IAM domains, users, groups, and compartments, as well as the use of IAM policies to manage access to resources. Candidates are also tested on configuring dynamic groups, network sources, and tag-based access control, along with managing MFA, sign-on policies, and activity monitoring.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Protecting Infrastructure - Network and Applications: This section of the exam measures the skills of Cloud Security Professionals and covers methods for securing networks and applications on OCI. Topics include network security groups, firewalls, and security lists, while also focusing on the use of load balancers for availability. The section further addresses the configuration of OCI certificates and web application firewalls to strengthen infrastructure security.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>Protecting Data: This section of the exam measures the skills of Cloud Security Professionals and highlights data security practices in OCI. It tests knowledge of using the Key Management Service for encryption keys, managing secrets in the OCI Vault, and applying features of OCI Data Safe to ensure sensitive data remains protected.</li></ul>

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### Oracle Cloud Infrastructure 2025 Security Professional Sample Questions (Q21-Q26):

#### NEW QUESTION # 21

You are a security architect at your organization and have noticed an increase in cyberattacks on your applications, including Cross-Site Scripting (XSS) and SQL Injection. To mitigate these threats, you decide to use OCI Web Application Firewall (WAF). Which type of OCI WAF rule should you configure to protect against these attacks?

- A. Encryption rule
- B. Rate Limiting rule
- C. Protection rule
- D. Access control rule

**Answer: C**

#### NEW QUESTION # 22

Task 3: Create a Master Encryption Key

Note: OCI Vault to store the key required by this task is created in the root compartment as PBI\_Vault\_SP Create an RSA Master Encryption Key (MEK), where:

Key name: PBT-CERT-MEK-01-<username>

For example, if your username is 99008677-lab.user01, then the MEK name should be PBT-CERT-MEK-0199008677labuser01

Ensure you eliminate special characters from the user name.

Key shape: 4096 bits

Enter the OCID of the Master Encryption Key created in the provided text box:

**Answer:**

Explanation:

See the solution below in Explanation.

Explanation:

Task 3: Create a Master Encryption Key

Step 1: Access the OCI Vault

\* Log in to the OCI Console.

\* Navigate to Identity & Security>Vault.

\* Select the root compartment.

\* Locate and click on the vault named PBI\_Vault\_SP.

Step 2: Create the Master Encryption Key

\* In the PBI\_Vault\_SP vault details page, under Resources, click Keys.

\* Click Create Key.

\* Enter the following details:

\* Name: Replace <username> with your username (e.g., if your username is 99008677-lab.user01, remove special characters like - and . to get 99008677labuser01, then use PBT-CERT-MEK-0199008677labuser01).

\* Key Shape: Select RSA with 4096 bits.

\* Protection Mode: Select HSM (Hardware Security Module) if available, or Software if HSM is not required (based on vault capabilities).

\* Compartment: Ensure it's set to the root compartment (where PBI\_Vault\_SP resides).

\* Leave other settings (e.g., key usage) as default unless specified.

\* Click Create Key and wait for the key to be generated.

Step 3: Retrieve and Enter the OCID

\* After the key is created, go to the Keys section under PBI\_Vault\_SP.

\* Click on the key named PBT-CERT-MEK-01<username> (e.g., PBT-CERT-MEK-0199008677labuser01).

\* Copy the OCID (a long string starting with ocid1.key., unique to your tenancy) from the key details page.

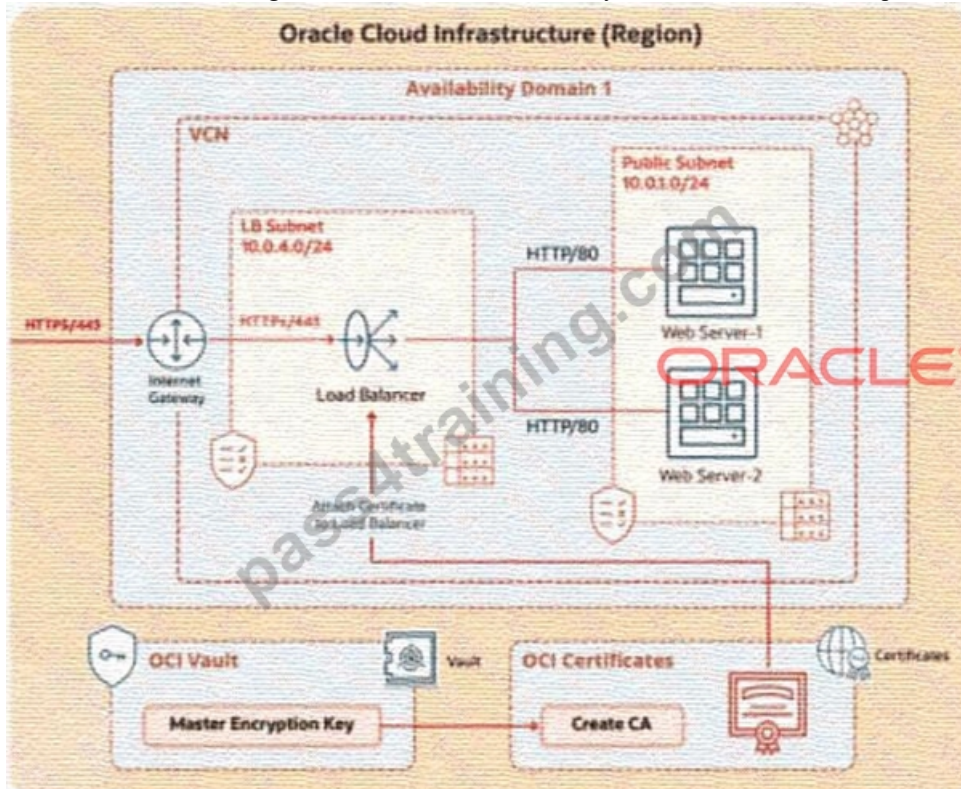
\* Enter the copied OCID exactly as it appears into the provided text box.

## NEW QUESTION # 23

### Challenge 1 - Task 1

Integrate TLS Certificate Issued by the OCI Certificates Service with Load Balancer You are a cloud engineer at a tech company that is migrating its services to Oracle Cloud Infrastructure (OCI). You are required to set up secure communication for your web application using OCI's Certificate service. You need to create a Certificate Authority (CA), issue a TLS/SSL server certificate, and configure a load balancer to use this certificate to ensure encrypted traffic between clients and the backend servers.

Review the architecture diagram, which outlines the resources you'll need to address the requirement.



Preconfigured

To complete this requirement, you are provided with the following:

Access to an OCI tenancy, an assigned compartment, and OCI credentials

Required IAM policies

OCI Vault to store the secret required by the program, which is created in the root compartment as PBI\_Vault\_SP Task 1: Create and Configure a Virtual Cloud Network (VCN) Create a Virtual Cloud Network (VCN) named PBT-CERT-VCN-01 with the following specifications:

\* VCN with a CIDR block of 10.0.0.0/16

\* Subnet 1 (Compute Instance):

\* Name: Compute-Subnet-PBT-CERT

\* CIDR Block: 10.0.1.0/24

Subnet 2 (Load Balancer):

\* Name: LB-Subnet-PBT-CERT-SNET-02

\* CIDR Block: 10.0.2.0/24

Internet Gateway for external connectivity

Route table and security lists:

\* Security List named PBT-CERT-CS-SL-01 for Subnet 1 (Compute-Subnet-PBT-CERT) to allow SSH (port 22) traffic

\* Security List named PBT-CERT-LB-SL-01 for Subnet 2 (LB-Subnet-PBT-CERT) to allow HTTPS (port 443) traffic

"Enter the OCID of the created VCN in the text box below.

**Answer:**

Explanation:

See the solution below in Explanation.

Explanation:

Challenge 1: Integrate TLS Certificate Issued by the OCI Certificates Service with Load Balancer Task 1: Create and Configure a Virtual Cloud Network (VCN) Step 1: Create the Virtual Cloud Network (VCN)

- \* Log in to the OCI Console.
- \* Navigate to Networking > Virtual Cloud Networks.
- \* Click Create Virtual Cloud Network.
- \* Select VCN with Internet Connectivity (to include an Internet Gateway by default).
- \* Enter the following details:
  - \* Name: PBT-CERT-VCN-01
  - \* Compartment: Select your assigned compartment.
  - \* VCN CIDR Block: 10.0.0.0/16
  - \* Leave other settings as default (e.g., create a new public subnet and route table).
- \* Click Create Virtual Cloud Network. Wait for the VCN to be created.

Step 2: Create Subnet 1 (Compute-Subnet-PBT-CERT)

- \* In the VCN details page for PBT-CERT-VCN-01, click Subnets under Resources.
- \* Click Create Subnet.
- \* Enter the following details:
  - \* Name: Compute-Subnet-PBT-CERT
  - \* Subnet Type: Regional
  - \* CIDR Block: 10.0.1.0/24
  - \* Route Table: Select the default route table created with the VCN.
  - \* Subnet Access: Public Subnet (to allow internet access).
  - \* DNS Resolution: Enabled.
- \* Click Create.

Step 3: Create Subnet 2 (LB-Subnet-PBT-CERT-SNET-02)

- \* In the VCN details page, click Subnets under Resources.
- \* Click Create Subnet.
- \* Enter the following details:
  - \* Name: LB-Subnet-PBT-CERT-SNET-02
  - \* Subnet Type: Regional
  - \* CIDR Block: 10.0.2.0/24
  - \* Route Table: Select the default route table created with the VCN.
  - \* Subnet Access: Public Subnet (to allow internet access for the load balancer).
  - \* DNS Resolution: Enabled.
- \* Click Create.

Step 4: Verify Internet Gateway

- \* In the VCN details page, under Resources, click Internet Gateways.
- \* Ensure an Internet Gateway is listed and attached to PBT-CERT-VCN-01. If not created, click Create Internet Gateway, name it (e.g., PBT-CERT-IGW), and attach it.

Step 5: Configure Route Table

- \* In the VCN details page, under Resources, click Route Tables.
- \* Select the default route table or create a new one named PBT-CERT-RT-01.
- \* Click Add Route Rule. 4 - Destination CIDR Block: 0.0.0.0/0
- \* Target Type: Internet Gateway
- \* Target: Select the Internet Gateway created (e.g., PBT-CERT-IGW).
- \* Click Add Route Rule and save.

Step 6: Create Security List for Subnet 1 (Compute-Subnet-PBT-CERT)

- \* In the VCN details page, under Resources, click Security Lists.
- \* Click Create Security List.
- \* Enter the following:
  - \* Name: PBT-CERT-CS-SL-01
  - \* Compartment: Your assigned compartment.
- \* Add the following ingress rule:
  - \* Source CIDR: 0.0.0.0/0 (allow from any source, adjust as per security needs)
  - \* IP Protocol: TCP
  - \* Source Port Range: All
  - \* Destination Port Range: 22 (for SSH)

- \* Allows: Traffic
- \* ClickCreate.
- Step 7: Create Security List for Subnet 2 (LB-Subnet-PBT-CERT-SNET-02)
- \* In the VCN details page, underResources, clickSecurity Lists.
- \* ClickCreate Security List.
- \* Enter the following:
- \* Name: PBT-CERT-LB-SL-01
- \* Compartment: Your assigned compartment.
- \* Add the following ingress rule:
- \* Source CIDR: 0.0.0.0/0 (allow from any source, adjust as per security needs)
- \* IP Protocol: TCP
- \* Source Port Range: All
- \* Destination Port Range: 443 (for HTTPS)
- \* Allows: Traffic
- \* ClickCreate.
- Step 8: Retrieve and Enter VCN OCID
- \* Go to the VCN details page for PBT-CERT-VCN-01.
- \* Copy theOCIDfrom the VCN information section.
- \* Enter the OCID in the provided text box.

## NEW QUESTION # 24

Task 2: Create a Compute Instance and Install the Web Server

Create a compute instance, where:

Name: PBT-CERT-VM-01

Image: Oracle Linux 8

Shape: VM.Standard.A1.Flex

Subnet: Compute-Subnet-PBT-CERT

Install and configure Apache web server:

a.

Install Apache

```
sudo yum -y install httpd
```

b.

Enable and start Apache

```
sudo systemctl enable httpd
```

```
sudo systemctl restart httpd
```

2. Install and configure Apache web server:

a. Install Apache

```
sudo yum -y install httpd
```

b. Enable and start Apache

```
sudo systemctl enable httpd
```

```
sudo systemctl restart httpd
```

c. Configure firewall to allow HTTP traffic (port 80)

```
sudo firewall-cmd --permanent --add-port=80/tcp
```

```
sudo firewall-cmd --reload
```

d. Create an index.html file

```
sudo bash -c 'echo You are visiting Web Server 1 >>> /var/www/html/index.html'
```

Enter the OCID of the created compute instance PBT-CERT-VM-01 in the text box below.

## Answer:

Explanation:

See the solution below in Explanation.

Explanation:

Task 2: Create a Compute Instance and Install the Web Server

Step 1: Create the Compute Instance

- \* Log in to the OCI Console.

- \* Navigate toCompute>Instances.

- \* ClickCreate Instance.

- \* Enter the following details:

- \* Name: PBT-CERT-VM-01

- \* **Compartment:** Select your assigned compartment.
- \* **Placement:** Leave as default or select an availability domain (e.g., Availability Domain 1).
- \* **Image:** ClickChange Image, selectOracle Linux 8, and confirm.
- \* **Shape:** ClickChange Shape, selectVM.Standard.A1.Flex, and configure:
- \* **OCPUs:** 1 (or adjust as needed)
- \* **Memory:** 6 GB (or adjust as needed)
- \* **Networking:**
- \* **Virtual Cloud Network:** Select PBT-CERT-VCN-01.
- \* **Subnet:** Select Compute-Subnet-PBT-CERT.
- \* Leave public IP assignment enabled for internet access.
- \* **SSH Key:** Provide your public SSH key (upload or paste) for secure access.
- \* ClickCreateand wait for the instance to be provisioned.

**Step 2: Connect to the Compute Instance**

- \* Once the instance is created, note thePublic IP Addressfrom the instance details page.
- \* Use an SSH client to connect:
- \* **Command:** `ssh -i <private-key-file> opc@<public-ip-address>`
- \* Replace <private-key-file> with your private key path and <public-ip-address> with the instance' s public IP.

**Step 3: Install and Configure Apache Web Server**

- \* **Install Apache:**
- \* **Run:** `sudo yum -y install httpd`
- \* **Enable and Start Apache:**
- \* **Run:** `sudo systemctl enable httpd`
- \* **Run:** `sudo systemctl restart httpd`
- \* **Configure Firewall to Allow HTTP Traffic (Port 80):**
- \* **Run:** `sudo firewall-cmd --permanent --add-port=80/tcp`
- \* **Run:** `sudo firewall-cmd --reload`
- \* **Create an index.html File:**
- \* **Run:** `sudo bash -c 'echo "You are visiting Web Server 1" >> /var/www/html/index.html'`

**Step 4: Verify the Configuration**

- \* **Open**

a web browser and enter `http://<public-ip-address>` to ensure the page displays "You are visiting Web Server 1".

- \* If needed, troubleshoot by checking Apache status: `sudo systemctl status httpd`.

**Step 5: Retrieve and Enter the OCID**

- \* Go to the instance details page for PBT-CERT-VM-01 underCompute>Instances.
- \* Copy theOCID(a long string starting with ocid1.instance., unique to your tenancy).
- \* Enter the copied OCID exactly as it appears into the text box provided.

**Notes**

- \* These steps are based on OCI Compute documentation and Oracle Linux 8 setup guides.
- \* Ensure the security list PBT-CERT-CS-SL-01 allows inbound traffic on port 22 (SSH) and port 80 (HTTP) if not already configured.
- \* The OCID will be unique to your instance; obtain it from the OCI Console after creation

## NEW QUESTION # 25

When trying to encrypt plaintext using Command Line Interface (CLI), the developer gets a Service Error. This is the command the developer tried to run:



What is the reason for this error?

- A. The user should pass the key version OCID instead of the key OCID.
- B. The developer has the wrong endpoint.
- C. The plaintext needs to be in JSON form.
- D. The developer forgot to specify the region.

**Answer: A**

## NEW QUESTION # 26

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