### Valid 1z0-1104-25 Real Test, 1z0-1104-25 Pass Guide



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

Topic	Details
Topic 1	Implementing OS and Workload Protection: This section of the exam measures the skills of OCI     Administrators and looks at securing workloads and operating systems. It includes the use of OCI Bastion for time-limited access, vulnerability scanning of hosts and containers, and the use of OS management for automated updates. The goal is to ensure that workloads remain resilient and well-protected.
Topic 2	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.
Topic 3	<ul> <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>

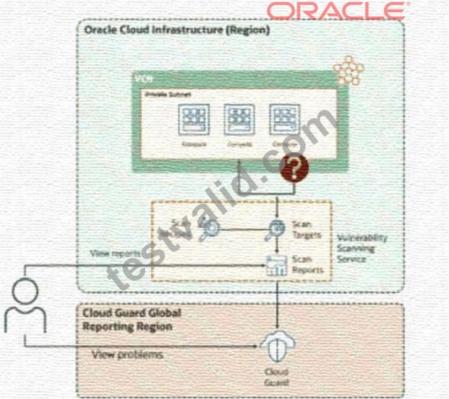
## Oracle Valid 1z0-1104-25 Real Test - Pass 1z0-1104-25 in One Time - Oracle 1z0-1104-25 Pass Guide

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# Oracle Cloud Infrastructure 2025 Security Professional Sample Questions (Q15-Q20):

#### **NEW QUESTION #15**

Based on the provided diagram, you have a group of critical compute instances in a private subnet that require vulnerability using the Oracle Cloud Infrastructure(OCI) Vulnerability Scanning Service (VSS).



"What additional configuration is required to enable VSS to scan instances in the private subnet

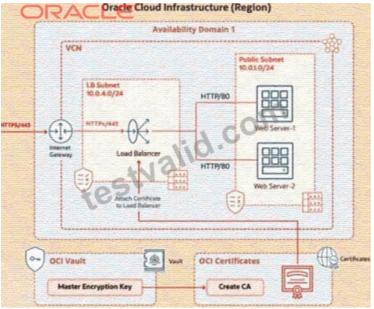
- A. Configure a service gateway in the VCN and a route rule to direct traffic for the VSS service through the gateway.
- B. No additional configuration is needed. VSS can access private instances by default.
- C. VSS cannot scan private instances. You need to move them to a public subnet for vulnerability scanning.
- D. Use an OCI Bastion session to establish connectivity and forward scan results from the private instances."

Answer: A

#### **NEW QUESTION #16**

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) namedPBT-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 Gatewayfor external connectivity

Route table and security lists:

- \* Security List namedPBT-CERT-CS-SL-01 for Subnet 1 (Compute-Subnet-PBT-CERT) to allow SSH (port 22) traffic
- \* Security List namedPBT-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.
- \* ClickCreate Virtual Cloud Network.
- \* SelectVCN 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).
- \* ClickCreate 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, clickSubnetsunderResources.
- \* ClickCreate 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.
- \* ClickCreate.

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

- \* In the VCN details page, clickSubnetsunderResources.
- \* ClickCreate 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.
- \* ClickCreate.

Step 4: Verify Internet Gateway

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

Step 5: Configure Route Table

- \* In the VCN details page, underResources, clickRoute Tables.
- \* Select the default route table or create a new one named PBT-CERT-RT-01.
- \* ClickAdd 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).
- \* ClickAdd Route Ruleand save.

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

- \* In the VCN details page, underResources, clickSecurity Lists.
- \* ClickCreate 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)

- $\ensuremath{^{*}}$  In the VCN details page, under Resources, 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 the OCID from the VCN information section.
- \* Enter the OCID in the provided text box.

#### **NEW QUESTION #17**

Which Oracle Data Safe feature enables the Internal test, development, and analytics teams to operate effectively while minimizing their exposure to sensitive data?

- A. Data encryption
- B. Sensitive data discovery
- C. Security assessment
- D. Data auditing

Answer: B

#### **NEW QUESTION #18**

Task 6: Create Load Balancer and Attach Certificate

Create a Load Balancer with the name PBT-CERT-LB-01 in subnet LB-Subnet-PBT-CERT-SNET-02 Create a Listener for the load balancer, where:

Name: PBT-CERT-LB LTSN 01

Protocol: HTTPS

Port: 443

Attach the certificate PBT-CERT-01-<username> to the load balancer

Attach the security list PBT-CERT-LB-SL-01 to subnet LB-Subnet-PBT-CERT-SNET-02 See the solution below in Explanation.

#### Answer:

#### Explanation:

Task 6: Create Load Balancer and Attach Certificate

Step 1: Create the Load Balancer

- \* Log in to the OCI Console.
- \* Navigate toNetworking>Load Balancers.
- \* ClickCreate Load Balancer.
- \* Enter the following details:
- \* Name: PBT-CERT-LB-01
- \* Compartment: Select your assigned compartment.
- \* Load Balancer Type: SelectPublic.
- \* Virtual Cloud Network: Select PBT-CERT-VCN-01.
- \* Subnet: Select LB-Subnet-PBT-CERT-SNET-02.
- \* Shape: Choose a shape (e.g., 10 Mbps, adjust based on needs).
- \* ClickNext.
- \* Leave backend sets and listeners as default for now (we'll configure the listener next).
- \* ClickCreate Load Balancerand wait for it to be provisioned.

Step 2: Create a Listener

- \* Once the load balancer is created, go to the Load Balancerspage and click on PBT-CERT-LB-01.
- \* UnderResources, clickListeners.
- \* ClickCreate Listener.
- \* Enter the following details:
- \* Name: PBT-CERT-LB\_LTSN\_01
- \* Protocol: SelectHTTPS.
- \* Port: Enter 443.
- \* Certificate: ClickAdd Certificate, then select the PBT-CERT-01<username> certificate (e.g., PBT-CERT-

0199008677labuser01) created in Task 5.

- \* Leave other settings (e.g., SSL handling) as default unless specified.
- \* ClickCreate.

Step 3: Configure the Backend Set

- \* In the PBT-CERT-LB-01 details page, underResources, clickBackend Sets.
- \* ClickCreate Backend Set(if not already created).
- \* Enter basic details (e.g., name like PBT-CERT-BS-01).
- \* Add a backend server:
- \* IP Address: Use the private IP of PBT-CERT-VM-01 (find this in the instance details under Compute>Instances).
- \* Port: 80 (HTTP, as configured on the web server).
- \* Protocol: HTTP.
- \* ClickCreate.

Step 4: Attach the Security List to the Subnet

- \* Navigate to Networking>Virtual Cloud Networks.
- \* Select PBT-CERT-VCN-01 and clickSubnets.
- \* Click on LB-Subnet-PBT-CERT-SNET-02.
- \* UnderSecurity Lists, ensure PBT-CERT-LB-SL-01 is attached. If not:
- \* ClickEdit.
- \* Remove the default security list and add PBT-CERT-LB-SL-01.
- \* ClickSave Changes.

Step 5: Verify the Configuration

- \* Ensure the load balancer health status is OK (check underBackend Sets>Health).
- \* Test by accessing https://<load-balancer-public-ip> in a browser (replace with the public IP from the load balancer details).

#### **NEW QUESTION #19**

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

h

Enable and start Apache

sudo systemetl enable httpd

sudo systemetl restart httpd

- 2. Install and configure Apache web server:
- a. Install Apache

sudo yum -y install httpd

b. Enable and start Apache

sudo systemetl enable httpd

sudo systemetl 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 to Compute > 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 the Public IP Address from the instance details page.
- \* Use an SSH client to connect:
- \* Command: ssh -i <private-key-file> opc@<public-ip-address>
- \* Replace <pri>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 systemetl enable httpd
- \* Run: sudo systemetl 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 systemetl status httpd.

Step 5: Retrieve and Enter the OCID

- \* Go to the instance details page for PBT-CERT-VM-01 underCompute>Instances.
- \* Copy the OCID(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 #20**

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