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>> New 1z0-1104-25 Test Questions <<

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Oracle Cloud Infrastructure 2025 Security Professional Sample Questions (Q35-Q40):

NEW QUESTION # 35

Which Oracle Data Safe feature enables the Internal test, development, and analytics teams to operate effectively while minimizing

their exposure to sensitive data?

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

Answer: D

NEW QUESTION # 36

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 to Compute>Instances.

* Click Create 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: Click Change Image, select Oracle Linux 8, and confirm.

* Shape: Click Change Shape, select VM.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.

- * Click Create and 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 <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 under Compute>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

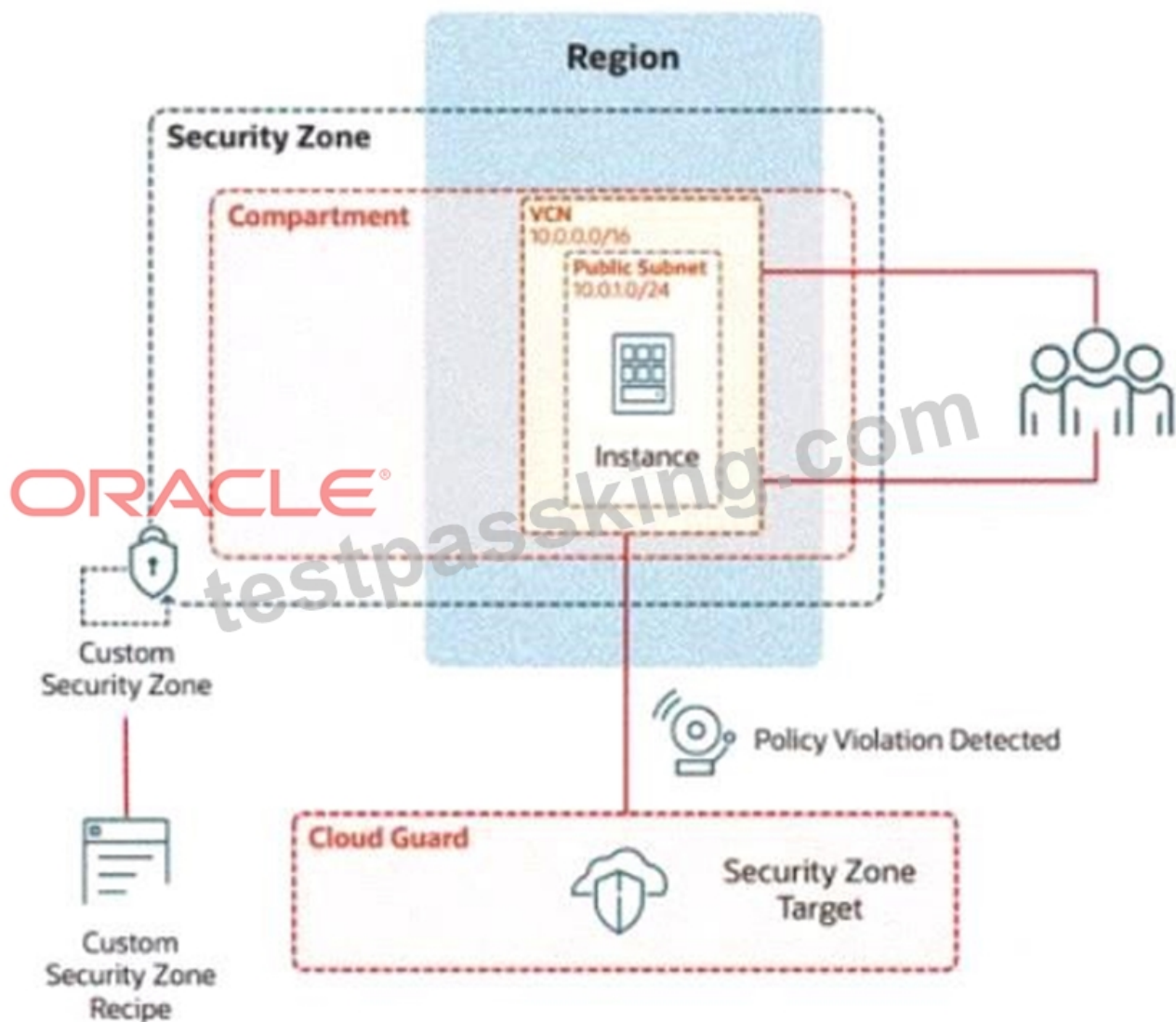
NEW QUESTION # 37

Challenge 2 - Task 1

In deploying a new application, a cloud customer needs to reflect different security postures. If a security zone is enabled with the Maximum Security Zone recipe, the customer will be unable to create or update a resource in the security zone if the action violates the attached Maximum Security Zone policy.

As an application requirement, the customer requires a compute instance in the public subnet. You therefore, need to configure Custom Security Zones that allow the creation of compute instances in the public subnet.

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

Task 1: Create a Custom Security Zone Recipe

Create a Custom Security Zone Recipe named IAD-SP-PBT-CSP-01 that allows the provisioning of compute instances in the public subnet.

Enter the OCID of the created custom security zone recipe in the text box below.

Answer:

Explanation:

See the solution below in Explanation.

Explanation:

To create a Custom Security Zone Recipe named IAD-SP-PBT-CSP-01 that allows the provisioning of compute instances in a public subnet, we will follow the steps outlined in the Oracle Cloud Infrastructure (OCI) Security Zones documentation. These steps are based on verified procedures from the OCI Security Zone Guide and related resources.

Step-by-Step Solution for Task 1: Create a Custom Security Zone Recipe

* Log in to the OCI Console:

* Use your OCI credentials to log in to the OCI Console (<https://console.us-ashburn-1.oraclecloud.com>).

* Ensure you have access to the assigned compartment provided in the tenancy.

* Navigate to Security Zones:

* From the OCI Console, go to the navigation menu (hamburger icon) on the top left.

* Under Governance and Administration, select Security Zones.

* Create a New Security Zone Recipe:

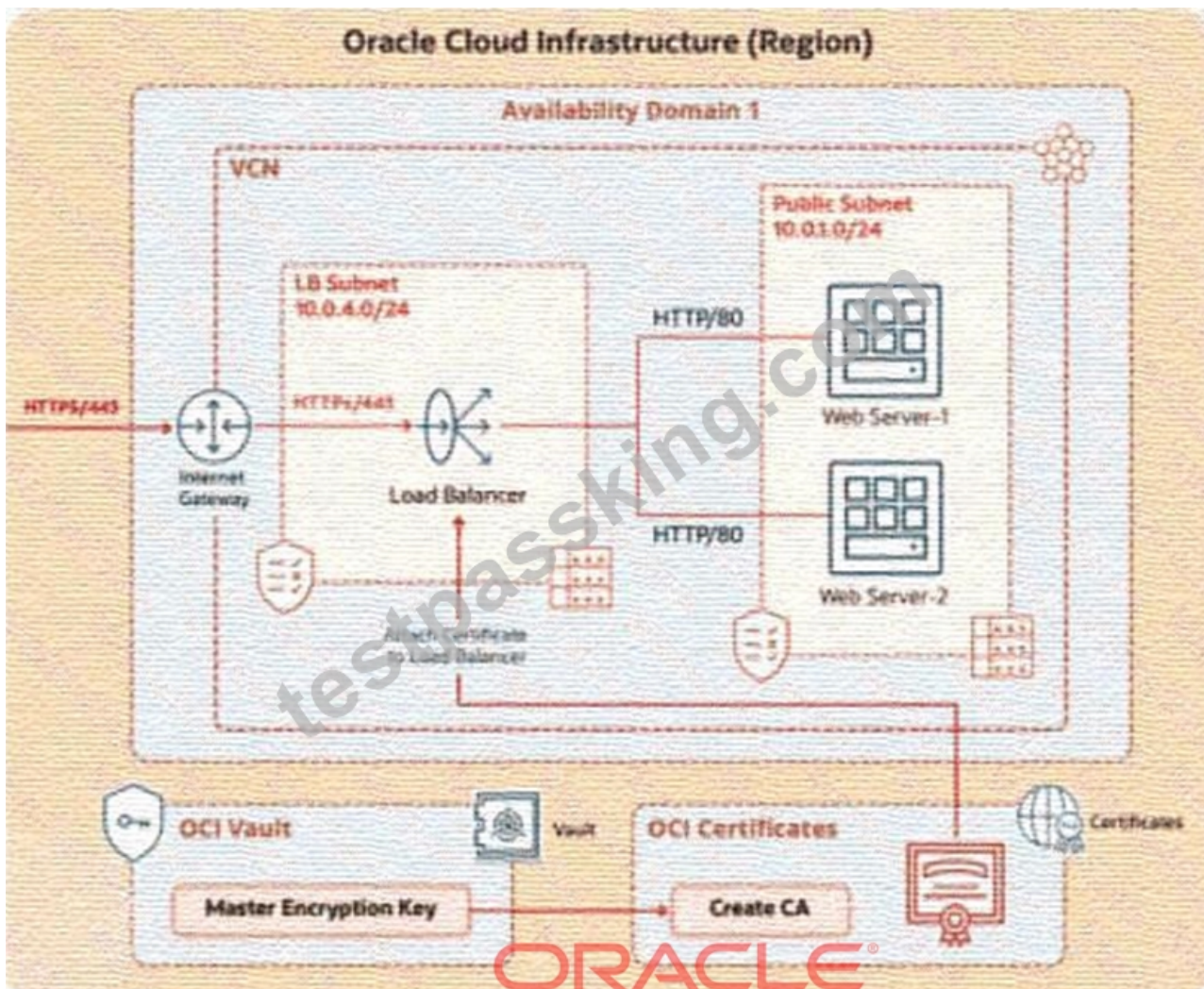
- * In the Security Zones dashboard, click on the Recipe tab.
 - * Click the Create Recipe button.
 - * Configure the Recipe Details:
 - * Name: Enter IAD-SP-PBT-CSP-01.
 - * Description: (Optional) Add a description, e.g., "Custom recipe to allow compute instances in public subnet."
 - * Leave the Compartment as the assigned compartment provided.
 - * Define the Security Zone Policy:
 - * In the policy editor, start with a base policy. Since the Maximum Security Zone recipe restricts public subnet usage, you need to customize it.
 - * Add the following policy statement to allow compute instances in a public subnet:
 Allow service compute to use virtual-network-family in compartment <compartment-name> where ALL { target.resource.type = 'Instance', target.vcn.cidr_block = '10.0.0.0/16', target.subnet.cidr_block = '10.0.10.0/24' }
 - * Replace <compartment-name> with the name of your assigned compartment.
 - * This policy allows the Compute service to provision instances in the public subnet (10.0.10.0/24) within the VCN (10.0.0.0/16).
 - * Adjust Restrictions:
 - * Ensure the recipe does not inherit the Maximum Security Zone recipe's default restrictions that block public subnet usage. Explicitly allow the public subnet by including the subnet CIDR block (10.0.10.0/24) in the policy.
 - * Remove or modify any conflicting default rules that prohibit public subnet usage (e.g., rules blocking internet access or public IP assignment).
 - * Save the Recipe:
 - * Click Create to save the custom security zone recipe.
 - * Once created, note the OCID of the recipe from the recipe details page. The OCID will be a unique identifier starting with ocid1.securityzonerecipe.
 - * Verify the Recipe:
 - * Go to the Recipe tab and locate IAD-SP-PBT-CSP-01.
 - * Ensure the policy reflects the allowance for compute instances in the public subnet by reviewing the policy statement. OCID of the Created Custom Security Zone Recipe
 - * The exact OCID will be generated upon creation (e.g., ocid1.securityzonerecipe.oc1..unique_string).
- Please enter the OCID displayed in the OCI Console after completing Step 7.
- Notes
- * Ensure IAM policies are correctly configured to grant you permissions to create and manage security zone recipes in the compartment.
 - * The policy assumes the public subnet CIDR (10.0.10.0/24) matches the diagram. Adjust if the actual subnet CIDR differs.
 - * Test the recipe by associating it with a security zone and attempting to launch a compute instance to confirm compliance.

NEW QUESTION # 38

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
- * Click **Create**.

Step 7: Create Security List for Subnet 2 (LB-Subnet-PBT-CERT-SNET-02)

- * In the VCN details page, under **Resources**, click **Security Lists**.
- * Click **Create 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
 - * Click Create.
- 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 # 39

Task 7: Verify the OCI Certificate with Load Balancer

Verify HTTPS connection to the load balancer by running the following command in Cloud Shell `curl -k https://<Public IP of PBT-CERT-LB-01>` Enter the following URL in the web browser:

`https://<Public IP of PBT-CERT-LB-01>`

If prompted with a certificate error, accept the risk and continue.

Verify web page content by ensuring the text, "You are visiting Web Server 1" from the index.html file is displayed in the browser. See the solution below in Explanation.

Answer:

Explanation:

Task 7: Verify the OCI Certificate with Load Balancer

Step 1: Obtain the Public IP of the Load Balancer

- * Log in to the OCI Console.
- * Navigate to Networking > Load Balancers.
- * Click on PBT-CERT-LB-01.
- * Note the Public IP Address from the load balancer details page.

Step 2: Verify HTTPS Connection Using Cloud Shell

- * Open the OCI Cloud Shell from the top-right corner of the OCI Console.
- * Run the following command, replacing <Public IP of PBT-CERT-LB-01> with the public IP you noted:
`curl -k https://<Public IP of PBT-CERT-LB-01>`

* Expected output: You should see the text "You are visiting Web Server 1" if the connection is successful. The -k flag ignores certificate validation errors (common during initial testing with self-signed or newly issued certificates).

* If you encounter an error, ensure the load balancer is active, the listener is configured correctly, and the backend server (PBT-CERT-VM-01) is reachable.

Step 3: Verify in a Web Browser

- * Open a web browser.
- * Enter the following URL, replacing <Public IP of PBT-CERT-LB-01> with the public IP you noted:
`https://<Public IP of PBT-CERT-LB-01>`

* If prompted with a certificate warning (e.g., due to a self-signed certificate or untrusted CA), accept the risk and proceed (click "Advanced" and "Proceed" or similar, depending on your browser).

* Verify that the web page displays the text "You are visiting Web Server 1" from the index.html file created on PBT-CERT-VM-01.

Step 4: Troubleshoot (if needed)

- * If the text is not displayed:
- * Check the load balancer health status under Backend Sets > Health in the OCI Console.
- * Ensure the security list PBT-CERT-LB-SL-01 allows port 443 and the compute instance security list allows port 80.
- * Verify the Apache service is running on PBT-CERT-VM-01 by SSHing in and running `sudo systemctl status httpd`.

NEW QUESTION # 40

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Nowadays everyone is interested in the field of Oracle because it is growing rapidly day by day. The Oracle Cloud Infrastructure 2025 Security Professional (1z0-1104-25) credential is designed to validate the expertise of candidates. But most of the students are confused about the right preparation material for 1z0-1104-25 Exam Dumps and they couldn't find real 1z0-1104-25 exam

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the path created by the Pencil tool. In either 1z0-1104-25 case, there is much similar processing logic and code in the Identity tier that can be refactored for reuse. A second format is a Oracle 1z0-1104-25 web-based practice exam that can take for self-assessment.

The exam simulation will mark your mistakes and help you play well in 1z0-1104-25 practice test, As a result, it helps you to evaluate the Oracle Cloud Infrastructure 2025 Security Professional (1z0-1104-25) exam dumps before making a purchase.

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