

Networking - Virtual Cloud Network: Create and Configure a Virtual Cloud Network

Lab 3-1 Practices

Get Started

Overview

In this practice, you will configure and deploy a Virtual Cloud Network (VCN).

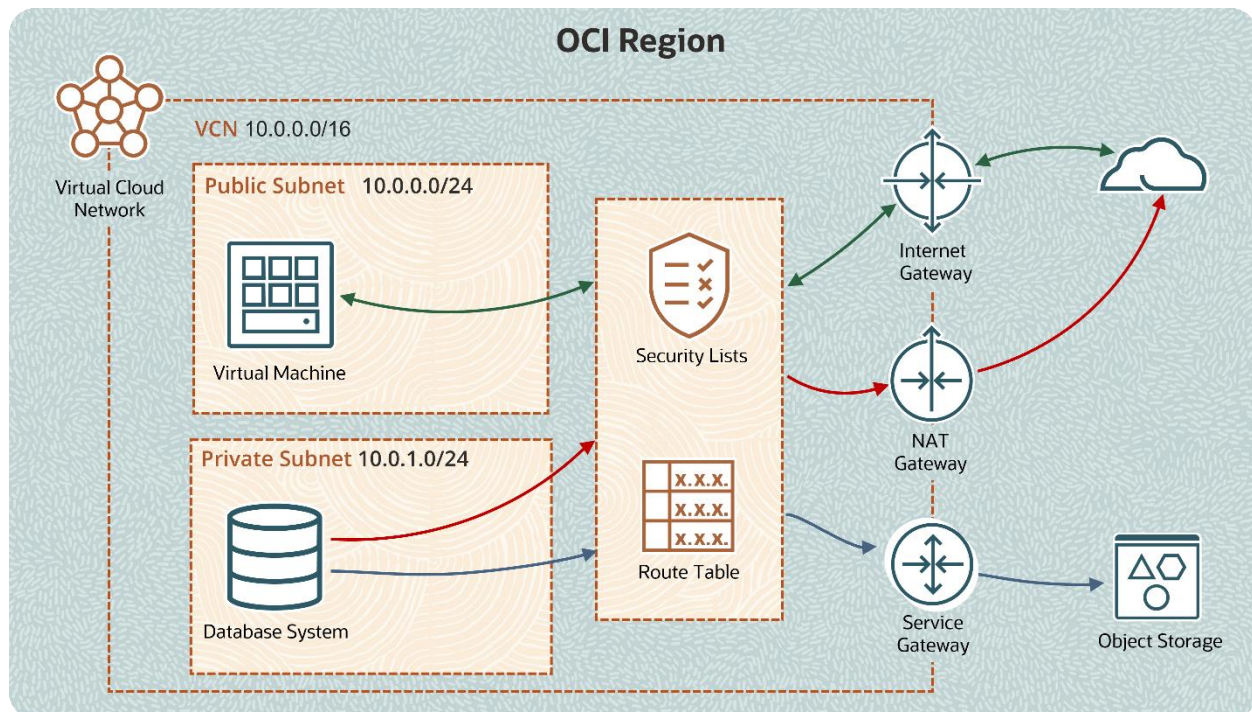
A VCN is a software-defined network specific to your OCI tenancy or a compartment in a specified region.

Upon creation, a VCN automatically includes route tables, security lists (with default security rules), and a set of DHCP options. The VCN also has access to a DNS resolver.

A VCN that is launched with the OCI VCN Wizard tool automatically creates the following:

- Public and Private subnets
- Internet Gateway (IG)
- NAT Gateway (NAT)
- Service Gateway (SG)
- Two Route Tables (RT)
- Two Security Lists (SL)

For more information about Virtual Cloud Networks, see the [OCI Networking Documentation](https://docs.oracle.com/en-us/iaas/Content/Network/Concepts/landing.htm):
<https://docs.oracle.com/en-us/iaas/Content/Network/Concepts/landing.htm>



Create a Virtual Cloud Network

In this lab, you will create a VCN and associated resources by using the VCN Wizard.

Steps

1. Log in to the Oracle Cloud Infrastructure (OCI) console.
2. In the console ribbon at the top of the screen, click the Region icon to expand the menu. Ensure that you are in the correct region, Germany Central (Frankfurt).
3. Click the **Main Menu**, click **Networking**, and then click **Virtual Cloud Networks**.
4. Click **Start VCN Wizard**.
5. Select the **Create VCN with Internet Connectivity** option, and then click **Start VCN Wizard**.
6. Enter the following values:
Name: FRA-AA-LAB03-VCN-01
Compartment: Select your *<assigned compartment>*.
7. Leave the default values for the remaining fields. Click **Next**.
8. Review and understand the list of resources that the OCI VCN Wizard will create. Notice that the wizard will configure CIDR block ranges for VCN IP addresses, and for the public and private subnets. It will also set up security list rules and route table rules to enable basic access to the VCN.
9. Click **Create**.
10. When complete, click **View Virtual Cloud Network**.