

Lab description

Amazon Virtual Private Cloud (VPC) lets you provision a logically isolated section of the Amazon Web Services (AWS) Cloud where you can launch AWS resources in a virtual network that you define. You have complete control over your virtual networking environment, including the selection of your own IP address range, creation of subnets, and configuration of route tables and network gateways. This hands-on lab guides you through the creation of a VPC and some of its common sub-resources.

Learning Objectives

Upon completion of this lab you will be able to:

- Use the AWS Management Console to create a VPC
- Use the AWS Management Console to create resources that work with Amazon VPC, including a subnet and an internet gateway
- Configure routing for your VPC using a route table
- Create and manage an EC2 instance and an associated Elastic IP Address (EIP) within your VPC

Intended Audience

This lab is meant for:

- Those preparing for AWS certification
- Professionals who aim to manage networking and private resources within AWS

Prerequisites

You should be familiar with:

- Some familiarity with basic networking principles is helpful but not required
- Some familiarity with the AWS Management Console is helpful but not required