

# AWS VPC Training | Amazon Virtual Private Cloud

This intermediate Amazon Virtual Private Cloud (VPC) training prepares learners to launch, manage, configure and troubleshoot virtual private cloud networks and resources within the AWS ecosystem of tools and services. Managing, deploying and configuring Amazon's Virtual Private Cloud is, quite simply, a core competency for any cloud administrator. Amazon VPC is a cost-effective way to bring all the power and versatility you're getting from EC2 deployments into the networking layer.

[CBT Nuggets course material](#) →

## WEEK 1

### Working with AWS VPC Interface Endpoints

155 min.

Getting Started with VPC Interface Endpoints	1
When to use the Interface Endpoint	9
Set Up a Private Interface Endpoint Lab	5
Create a VPC Interface Endpoint	10
Validate and Test the VPC Endpoint	11
Route53 Private Hosted Zone Options	6
VPC Interface Endpoint Security	10
Design for VPC Interface Endpoint Limits	7

### Working with AWS VPC Gateway Endpoints

Overview	1
Getting started with VPC Gateway Endpoints	2
What is a VPC Gateway Endpoint	7
Set up a Private VPC Gateway Endpoint Lab	10
Create the VPC Gateway Endpoint	9
Test the Gateway Endpoint	6
Secure the Gateway Endpoint	15
VPC Endpoint Design Considerations and Limits	9

### Managing Access to S3 with VPC Endpoints

Overview	1
Plan for S3 Access via VPC Endpoints	1
Contrasting Gateway and Interface Endpoints	9
Enable VPC Flow Logs for Traffic Visibility	15
S3 and VPC Endpoint Access Management Options	9

## WEEK 2

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85 min.

Working with Client Identities	8
Working with Endpoint Policies	8
Working with S3 Bucket Policies	8

### **Deploy AWS Client VPN for Secure Remote Connectivity to Amazon VPC**

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Introduction to AWS Client VPN	13
Create Amazon VPC and Generate ACM Certificates	14
Import AWS Client VPN Authentication Certificates into ACM	8
Create AWS Client VPN Endpoint	7
Modify OpenVPN Client Configuration and Connect to VPC	6
Provision Private EC2 Instance and Test VPN Connectivity	10