DevNet Associate   v1.0

Introduction to Application Deployment and Security

6.0.1

Why Should I Take this Module?

You are learning how software development, applications and networking integrate to make automation possible on a massive scale. You might already be thinking about how to deploy your application. And of course, as a NetAcad student, you already know that security must be part of any deployment.

This module introduces you to application deployment options. You will learn about the components of a continuous integration and continuous deployment pipeline, including containers and microservices. You will learn about examples of deployment in test environments and in production environments. You will also learn about deployment security measures and understand known vulnerabilities.

6.0.2

What Will I Learn to Do in this Module?

Module Title: Application and Deployment Security

Module Objective: Use current technologies to deploy and secure applications and data in a cloud environment.

Topic Title	Topic Objective
Understanding Deployment Choices with Different Models	Explain common cloud deployment models.
Creating and Deploying a Sample Application	Use container technology to deploy a simple application.

Topic Title	Topic Objective
Continuous Integration/Continuous Deployment (CI/CD)	Explain the use of Continuous Integration/Continuous Deployment (CI/CD) in application deployment.
Networks for Application Development and Security	Explain the network technology required for application development in a cloud environment.
Securing Applications	Use common application security techniques to secure data.

5.7
Networking Fundamentals Summary

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Understanding Deployment Choices with Di...