



NetDevOps Business Analysis

- 2 Days
- Lecture

Course Overview

This two-day course is designed for business analysts tasked with evaluating the feasibility, costs, and benefits of implementing a NetDevOps program for network automation. While technical vocabulary will be addressed, the core focus will be on management principles, including deployment decisions, budgeting, staffing, and overall effort calculation. The goal is for participants to leave with a clear framework for forecasting manpower, effort, costs, and expected rewards associated with deploying NetDevOps in their organization.

Who Should Attend

- Project Managers
- Sr. Management
- Business Analysts
- CIO
- Technical Team Leads

What You'll Learn

- Analyze MDD effort for your organization
- Calculate budget requirements
- Estimate timelines
- Calculate risk vs reward

Outline





Introduction to NetDevOps

-  Lecture: NetDevOps: Network Management for the Agile Era
-  Lecture: Understanding NetDevOps: Source of Truth
-  Lecture: Overview of NetDevOps Processes
-  Lecture: Benefits of adopting NetDevOps



NetDevOps Essentials

-  Lecture: NetDevOps Essential Tools
-  Lecture: The NetDevOps Pipeline



Ansible

-  Lecture: Introduction to Ansible
-  Lecture + Lab: Installing Ansible
-  Lecture: Static Inventory
-  Lecture + Lab: Ansible Host Inventory





NetBox

-  Lecture + Lab: Introduction to Netbox
-  Lecture + Lab: Setting up your Organization



Cisco Modeling Labs

-  Lecture: Introduction to Cisco Modeling Labs (CML)
-  Lecture + Lab: CML Manual Topography






Integrating NetDevOps Tools

-  Lecture + Lab: CML Dynamic Inventory
-  Lecture + Lab: Building CML Lab with Ansible
-  Lecture + Lab: Converting Netbox Config to CML Topology
-  Lecture + Lab: CML Facts Ansible Modules



Planning Your NetDevOps Implementation

-  Lecture: Identifying Potential Risks and Challenges
-  Lecture: Setting Goals and Defining Scope

Developing a Business Plan for NetDevOps Implementation

-  Lecture + Lab: Create the business plan for implementing NetDevOps
-  Lecture + Lab: Budget
-  Lecture + Lab: Staffing
-  Lecture + Lab: Timelines
-  Lecture + Lab: Expected benefits.

Manpower and Effort Estimation

-  Lecture: Estimating staffing needs for deployment and ongoing operations
-  Lecture + Lab: Assessing the effort required for training and upskilling

Prerequisites