BTA Modular Advanced Automation Training Topics

Automation Training Roadmap

Foundational

Essential basics for Automation

Introduction to DevOps for Network Engineers (2d)

Introduction to DevOps for Systems Engineers (1.5d)

DevOps & CI/CD Pipeline Overview (0.5d)

Targets

Vendor-specific modules for networking, systems, cloud, etc.

Cisco

VMware

Tools

Specific modules for particular automation tools

HashiCorp

Ansible

Puppet/Chef

Vendorspecific

Modular Advanced Automation Training: 1-, ½- & ¼-day custom modules

Foundational

- Version Control *
- CI/CD Pipelines for networks *
- CI/CD Pipelines for systems *
- DevOps & CI/CD Pipeline Overview

Cisco

- ACI Programmability
- Tetration API Integration
- DNA-C & ISE Automation
- Multi-Domain Orchestration

HashiCorp

- ACI & Terraform
- Managing OS images/templates with HashiCorp Packer
- Development testing using HashiCorp Vagrant
- HashiCorp Consul integrations
- HashiCorp Vault integrations
- HashiCorp Terraform for Cloud

VMware

 CI/CD Pipelines for vSphere

Puppet/Chef

• ACI & Puppet/Chef

Ansible

• ACI & Ansible

Vendor

ACI and UCSD

• ACI & CloudCenter



^{*} Included in Intro to DevOps for Network Engineers (2d)