DNAC Activation and Assurance

Category: Networking & Security | **Vendor:** Cisco

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This is a 4-day instructor led workshop aimed at Cisco partners and customers who are/have deployed Cisco DNA / Catalyst Center. This class will help enable Cisco DNA / Catalyst Center adoption in a brownfield environment utilizing Assurance as a feature to manage and troubleshooting both a wired and wireless environment, followed by migrating to Software Defined Access for both Wired and Wireless.

This workshop will be a mix of theory (30%) and labs (70%) and is aimed at a technical audience. Theory based on latest version of DNA – continually updated content to reflect the latest version of the product.

The DNACAA course is part of Cisco Black Belt Academy Aligned Content. It belongs to the stage: EN - Cisco DNA Deployment Stage 2.

About This Course

The course leads you into detailed coverage of using DNA / Catalyst Center in a brownfield environment with Assurance its components and implementation as well as supported architectures and migration paths to SDA.

Who Should Attend

- Cisco Customers
- Sales Engineers
- Enterprise Customers
- Field Engineers

Prerequisites & Entry Requirements

General Prerequisites:

Attendees should have prior knowledge of Routing, Switching and Wireless.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Describe and Implement the need for DNAC in a Brownfield environment
- Visibility and Troubleshoot with Assurance
- Describe and Implement the need for a new networking model
- Describe the Cisco Software-Defined Access solution, its components and features
- Describe and Implement Cisco DNA / Catalyst Center as the management solution for the new architecture
- Implement a Wired SDA Infrastructure
- Implement a Wireless SDA Infrastructure
- Implement ETA with Stealthwatch
- Implement DNA Spaces

Detailed Course Outline

Day 1- Introduction to DNA – Wired and Wireless

- Introduction to DNA
- DNA / Catalyst Center Architecture
- DNA / Catalyst Center Installation
- DNA / Catalyst Center Disaster Recovery
- Software Updates
- DNA / Catalyst Center Workflow
- Build an inventory of wired and wireless devices
- Manage the Wired and Wireless Inventory including troubleshooting tools
- Templates
- Automating Image Management with SWIM
- Command Runner
- Application Polices

- DNA / Catalyst Center as a Platform

Day 2 - Assurance and SDA Migration

- Assurance for Wired and Wireless

- Insight using Assurance for both Wired and Wireless devices and clients
- Using Assurance to troubleshoot both Wired and Wireless devices and clients
- ThousandEyes Integration
- Wireless as a Sensor
- Intelligent Capture
- Prime vs Cisco DNA / Catalyst Center
- Floor Maps
- Network Design for SD Access
- Migration strategy to SD Access
- SDA Architecture
- Underlay network Design
- Overlay Fabric Design
- Endpoint Analytics

Day 3 – SD-Access Wired

- ISE and DNA / Catalyst Center Integration

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- Understanding Virtual Networks and SGTs in SD Access
- Policy Enforcement with ISE and SDA
- Cisco TrustSec Segmentation with ISE and SDA
- SDA Fabric Operation

- Wired SDA Implementation

- Shared Service with Border

- SDA for a Distributed Campus

- MultiSite – IP TRANSIT – SD Access TRANSIT – SD-WAN TRANSIT

- SD-Access Extranet – LISP Pub/Sub

- Extended Node

Day 4 – SD-Access Wireless

- SD Access Wireless Architecture and Solution Components

- SD Access Wireless Protocols and Communication Interfaces

- Designing Wireless Integration in SD Acess

- SD Access Wireless Guest Access Design

- High Availability in SD Access Wireless

- Wireless OTT

- AI-Enhanced RRM

- Prime Migration

- Stealthwatch with ETA

Skills You Will Learn:

- Describe and Implement the need for DNAC in a Brownfield environment
- Visibility and Troubleshoot with Assurance
- Describe and Implement the need for a new networking model
- Describe the Cisco Software-Defined Access solution, its components and features
- Describe and Implement Cisco DNA / Catalyst Center as the management solution for the new architecture
- Implement a Wired SDA Infrastructure
- Implement a Wireless SDA Infrastructure
- Implement ETA with Stealthwatch
- Implement DNA Spaces

Frequently Asked Questions

Q: What delivery options are available for DNAC Activation and Assurance?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day DNAC Activation and Assurance course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the DNAC Activation and Assurance training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for DNAC Activation and Assurance?

Yes, we provide corporate training, dedicated training, and closed classes for DNAC Activation and Assurance. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: DNAC Activation and Assurance, Cisco Digital Network Architecture (DNA), DNACAA

Q: Why choose Nexus Human for DNAC Activation and Assurance?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your DNAC Activation and Assurance training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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