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LEARNING



## DNA Center Automation and



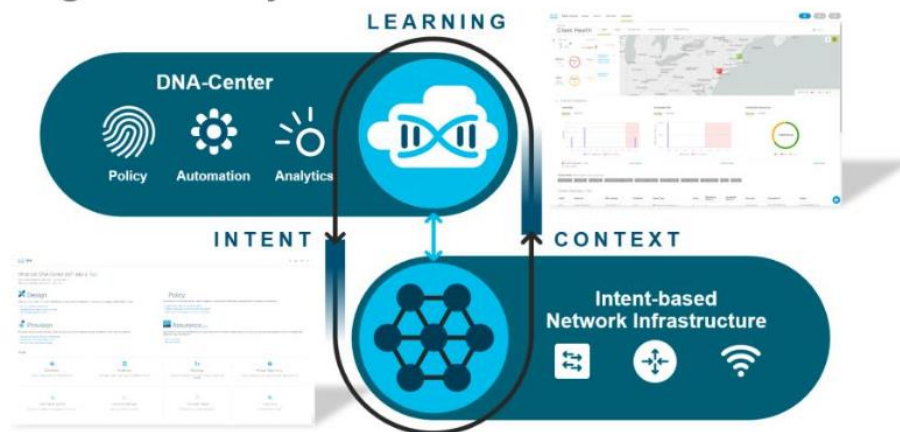
## Analytics SelfDrive (DNAC-AA-SD)

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The network is changing from a hardware-centric model to a virtualized software-centric one that supports digital innovation. For IT professionals, the ability to deploy and support a digital-ready network requires adopting rapidly evolving technologies in software-defined networking (SDN), mobility, enhanced security, flexible access, and virtualization, while taking full advantage of cloud services. One technology will affect the others.

The *DNA Center Automation and Analytics SelfDrive (DNAC-AA-SD)* is a 1-day training that provides network engineers and operations architects with overview and practical understanding of the DNA Center Applications as well as the DNA Center integration capabilities. It also provides demo labs to demonstrate DNA Center Automation and Analytics.

## Design – Policy – Provision – Assure



In this course, you will learn how to leverage DNA Center (DNAC) features to start simplifying customer network operations and enable better visibility into their environment. We will focus on network analytics and demonstrate how you can access client and infrastructure health by using DNAC. You will also explore DNAC automation capabilities like template programmer, software inventory management, Plug-n-Play, and other newest additions to the solution. We will also discuss deployment options, requirements, positioning and upcoming development, so you will be comfortable discussing DNAC solution with your customer.

## Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- Identify the Digital Network Architecture solution by describing the vision, strategy, general concepts, and components of it.
- Introduce intent-based and context-aware enterprise networking.
- Introduce Cisco DNA Center Automation and Analytics.
- Introduce network automation using DNAC and the built-in applications like Cisco Network Plug and Play, Application Policy, SD Access, and many other.
- Introduce network assurance using DNAC and the built-in components like Client health, Network health and Application health.

- Introduce integration capabilities and DNA Center Platform to enable customization and value-add.

## Outline

The course contains these components:

- Trends and network requirements for the digital age
- Cisco Digital Network Architecture (DNA)
  - DNA Introduction
  - DNA Center Demo
  - Introducing DNA Automation
  - Introducing DNA Assurance
  - Introducing DNA Center Features
  - Introducing DNA Center Platform
- Introducing DNA Center Appliance
  - Scaling
  - Ordering options
  - Introduction of Not For Resale (NFR) program
  - Data retention
  - Backup
  - High Availability
  - Appliance Patching
  - User Roles and Privileges
  - Supported platforms
- DNAC Automation Perspective
  - Inventory
  - Topology
  - Automating Standard Changes

- Image Repository
- Command Runner
- Template Editor
- Application Policy
- License Manager
- Network Plug and Play
- Software-Defined Access
- DNAC Assurance Perspective
  - Supported Insights
  - Enabling Telemetry
  - Supported Use Cases
  - Assurance App Visibility
  - Assurance Machine Learning
  - DNA Center Platform
- REST API
- APIs Device SDK
- Release Planning
- Licensing
- Positioning

## Course Duration

The DNA Center Automation and Analytics SelfDrive training is offered as 1-day course.

## Audience

- Enterprise network generalist SEs, network architects and pre-sales SEs

- Experienced network engineers working for Enterprise customers who are early adopters of Cisco's Digital Network Architecture
- Channel Partner Field Engineers who are supporting trials and early deployments of DNA
- Customers
- Employees

## Prerequisites

- Attendees should have [CCNA R&S knowledge](#) and network operations fundamentals
- Bring your own Laptop
- Have your cisco.com account details ready

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- You will get more than just standard content – our instructors augment the courses with practical and useful examples from real-life situations.
- You can attend a training onsite or remotely; and save time and money on accommodation and travelling.

- You can choose from a full range of standard and advanced Cisco courses.
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- High customer satisfaction.
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- NIL LEARNING enhances the standard learning curriculum with real-life experience and helps clients to maximize their training investment.
- NIL has been a Cisco Training Partner since 1993; today NIL holds **Cisco Platinum Learning Partner** status and **Cisco Business Learning Partner** status.
- NIL was awarded the Cisco Most Business Relevant Learning Partner in MEA in 2010 and the most innovative learning partner in MEA.
- NIL received the **Innovation Award** for its Technology Led Training and its extensive contribution to Cisco learning solutions at the Cisco EMEAR Learning Partner Summit in 2012.
- NIL received the **Innovation Award** for its Technology Led Training and Advanced Engineer Program at the Cisco Global Learning Partner Summit in 2013.
- NIL LEARNING runs a centralized training schedule across the whole EMEAR region.
- NIL received Cisco Global Learning Partner of the Year Award in 2014
- NIL received Cisco EMEAR Learning Partner of the Year 2016.
- NIL received Cisco Global Learning Partner of the Year 2018 - Collaborator Award.

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