Designing Cisco Enterprise Networks (500-490)

Exam Description: The Designing for Cisco Enterprise Networks for Field Engineer (ENDESIGN) exam (500-490) is a 60-minute assessment with 30–40 questions. This exam tests a candidate's knowledge of the skills needed by a Field Engineer to understand the 4D Sales methodology; Discovery, Design, Demonstrate and Defend. These training courses are built around SD-Access, SD-WAN and ISE. They represent the three essential elements needed to support Cisco's Digital Network Architecture DNA.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. In order to better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

6%   1.0   SD-Access Discovery
    1.1   Define Discovery
    1.2   Describe Software Defined Access
    1.3   Describe trends, challenges, benefits, and key capabilities
    1.4   Describe discovery (use case) - Buying triggers and insights

12%   2.0   SD-Access Design
    2.1   High Level Design Considerations of Software Defined Access (SDA)
    2.2   Describe where DNA center meets campus fabric
    2.3   Describe High level branch design
    2.4   Describe High level migration considerations
    2.5   Describe High Level DC policy integration

8%   3.0   SDA Demonstration
    3.1   Describe SDA Assurance Demonstration of Capability - Assurance

8%   4.0   SDA Defend
    4.1   Describe Competitive of Software Defined Access
    4.2   Describe Closing of Software Defined Access
    4.3   Describe Product of Software Defined Access
    4.4   Describe Caveats of Software Defined Access
    4.5   Describe Roadmap of Software Defined Access
    4.6   Describe "What to Sell" of Software Defined Access
    4.7   Describe team exercises of Software Defined Access

8%   5.0   SD-WAN: Discover
    5.1   Describe 4D On-Demand Training
    5.2   Describe customer discovery (use case, buying triggers)
    5.3   Describe trends, challenges, benefits, and key capabilities
    5.4   Describe 4D Engagement

12%   6.0   SD-WAN: Design
  6.1   Describe high level design considerations
  6.2   Describe solution-architecture
  6.3   Describe reinventing WAN security
  6.4   Describe reinventing WAN connectivity
  6.5   Describe reinventing WAN application services
  6.6   Describe reinventing WAN operations
  6.7   Describe design use cases - video

12%   7.0   SD-WAN: Demonstration
  7.1   Describe demonstration of capability
  7.2   Describe products
  7.3   Describe licensing and software
  7.4   Describe caveats
  7.5   Describe "What to Sell"
  7.6   Describe team exercises
  7.7   Describe SD-WAN: Closing-Partner

6%   8.0   ISE: Discover
  8.1   Introduce ISE
  8.2   Describe trends, challenges, benefits, and capabilities
  8.3   Describe discovery (use case) - Buying triggers and insights

12%   9.0   ISE: Design
  9.1   Describe an overview of solutions and architecture
  9.2   Describe ISE fundamentals
  9.3   Describe Feature: Access Control
  9.4   Describe Feature: Visibility - Profiling
  9.5   Describe Feature: Guest Access
  9.6   Describe Feature: BYOD
  9.7   Describe Feature: TrustSec
  9.8   Describe high level design considerations

6%   10.0   ISE: Demonstration
  10.1   Describe Demo and POV
  10.2   Describe products, software, and licensing
  10.3   Describe ISE - Caveats
  10.4   Describe roadmap - ISE, TrustSec, SDA Policy

12%   11.0   ISE: Defend
  11.1   Describe ISE competitive
  11.2   Describe ISE "What to Sell"