



StringzNet

Cisco SD-Access

'COURSE CONTENT'



StringzNet Solutions

Bangalore (INDIA)

(+91) 9999-828-928

www.stringznet.com

email@stringznet.com



Cisco SD- Access

Course Content

1. SD-Access introduction

- SD-Access Overview
- SD-Access use cases and why would individual need to learn
- SD-Access components and Fabric deployment model

2. DNA-Controller (DNAC)

- DNA-C architecture
- DNA-C installation steps
- What is new in DNA-Center 2.1 version

3. SD-Access comb ability matrix & SDA Hardware selection

- SD-Access wired devices selection
- SD-Access wireless devices selection
- Cisco Identity Service Engine

4. ISE (Identity Service Engine) role in SDA

- ISE Integration with DNAC with understanding of VNs & SGTs in SD-Access
- Micro segmentation
- Basic of Trustsec and SGT matrix

5. How to design SD-Access Wired

- Requirement gathering for SD-Access design
- Finalizing IP addressing, routing, connectivity
- Working on Design document to collate design

6. How to design SD-Access Wireless

- Requirement gathering for Wireless design
- Finalizing IP addressing, SSIDs, traffic flow
- Working on Design document to collate design
- Basic walkthrough of 802.11ax technology

7. Overall Connectivity and fabric packet walks

- DHCP flow in SD-Access
- SD-Access ARP Operation
- Host to Host communication
- Client Roaming Traffic Flow in wireless



8. Difference between AirOS and IOS-XE based wireless controllers

9. Non-SDA wireless Assurance with wireless sensors

- How to implement with AirOS Controllers
- How to implement with IOS-XE WLCs (9800)

10. How to implement SD-Access

- What is PnP, LAN automation to build underlay
- SD-Access implementation steps
- Connecting the fabric to External Networks
- Implementation of SDA-Wireless

11. SD-Access Migration Considerations & Migration approach

- Consideration before migration
- Basic Approaches to migration

12. Cisco DNA Center maintenance and troubleshooting