

## CISCO SDA MENTORED POV PLUS

### Service Overview:

At Netnology, we specialize in Cisco's Digital Network Architecture (Cisco DNA™) enablement and implementation services to expedite the adoption of Cisco Software-Defined Access (SDA) and Assurance solutions. As part of the Mentored POV Plus service offer, our subject matter experts (SME) partner with your team to ensure a smooth deployment of the SDA and Assurance solutions in the lab environment and provide knowledge transfer to equip your staff with the necessary skills to configure and manage the Cisco DNA lab environment.

### Cisco SDA and Assurance Solutions:

Cisco SDA and Assurance, built on the principles of the Cisco DNA, provides a transformational shift in building and managing networks: faster, easier and with improved business efficiency. By decoupling network functions from hardware, SDA helps ensure policy consistency, enabling faster launches of new business services and significantly improving issue resolution times while being open and extensible, and reducing operational expenses.

- Streamline network design to improve operations by adding flexibility to manage and customize each location without impacting other locations
- Simplify provisioning to enable devices for live environment, push configuration to multiple nodes simultaneously – in a matter of few clicks
- Secure your organization and achieve regulatory compliance with end-to-end segmentation that keeps user, device and application traffic separate without redesigning the network
- Improve the workforce experience by automating user access policy and applying the right policies for users or devices to any application across the network
- Boost operational effectiveness by enabling a consistent user experience anywhere without compromise – all with a single network fabric
- Enhance network performance by pro-active monitoring with the help of telemetry and assurance that provides comprehensive analysis of network events

### Service Benefits:

Netnology has a team of world class engineers who specialize in Cisco SDA and Assurance solutions and are passionate about customer success. Netnology will partner with you:

- Step-by-step guidance from an SME on solution deployment
- Configuration and documentation of SDA and Assurance solutions
- Knowledge transfer to ensure customer is ready to configure and manage the lab environment

## Scope of Services:

As part of the 5-day SDA Mentored POV Plus engagement, netnology will help with the following:

### Cisco SDA POV:

- Solution overview
- Cisco DNAC installation and setup (single appliance)
- Fabric buildout – up to 2 control nodes, 2 border nodes and 2 edge nodes
- Cisco ISE installation and integration with DNAC (1 instance)
- Wireless LAN Controller WLC (1)
- Wireless Access Points (AP) (up to 2)
- Virtual Networks (VN) (up to 2)
- Service Group (SG) per VN (up to 2)
- Knowledge Transfer

### Assurance <sup>(1)</sup>:

- Solution overview
- Cisco DNAC installation and setup (single appliance)
- Inventory Dashboard
- Health Dashboard
- Device 360 View
- Client 360 View
- Network Time Travel
- Path Trace
- Knowledge Transfer

### Target Audience:

This service is designed for Network Architects, Network Engineers and Administrators configuring, deploying and managing the SDA lab environment.

### Prerequisites:

Customer needs to ensure that ALL SDA equipment is rack & stacked, cabled and powered-up prior to the kick-off. Customer also needs to acquire the necessary software licenses for the deployment of SDA and Assurance solutions.

- (1) Note: DNAC Assurance is an add-on service, not included in the SDA Mentored POV Plus scope. Additional charges will apply for DNAC Assurance in addition to SDA Mentored POV Plus engagement.**

### Service Deliverables:

No	Deliverable	Service Details	SDA	Assurance <sup>(1)</sup>
1.	Project Kickoff	<ul style="list-style-type: none"> <li>Project Overview</li> <li>Solution Overview</li> </ul>	✓	✗
2.	DNAC Setup	<ul style="list-style-type: none"> <li>Install and setup DNAC</li> </ul>	✓	✗
3.	Fabric Buildout	<ul style="list-style-type: none"> <li>Network discovery</li> <li>Setup control/border nodes</li> <li>Underlay buildout</li> </ul>	✓	✗
4.	ISE Setup	<ul style="list-style-type: none"> <li>Install and setup ISE</li> <li>ISE PxGrid settings to connect to DNAC</li> <li>DNAC configuration to integrate with ISE</li> </ul>	✓	✗
5.	WLC Setup	<ul style="list-style-type: none"> <li>Install and setup WLC</li> <li>Integrate WLC with DNAC</li> <li>Integrate Access Points with DNAC</li> </ul>	✓	✗
6.	Policy and Segmentation	<ul style="list-style-type: none"> <li>Create up to 2 VN in DNAC</li> <li>Assign up to 2 SG per VN</li> </ul>	✓	✗
7.	Device Provisioning	<ul style="list-style-type: none"> <li>Assign roles to discovered devices</li> <li>Overlay buildout</li> <li>Onboard test devices</li> </ul>	✓	✗
8.	Health Dashboard	<ul style="list-style-type: none"> <li>Client Health: Health Summary, Onboarding, and Connectivity Analytics</li> <li>Network Health: Health Summary, Analytics</li> <li>Site-level drilldown</li> </ul>	✗	✓
9.	Device 360 View	<ul style="list-style-type: none"> <li>Historical Analysis</li> <li>Connectivity Details</li> <li>RF Information</li> </ul>	✗	✓
10.	Client 360 View	<ul style="list-style-type: none"> <li>Historical Analysis</li> <li>Onboarding Details</li> <li>Near-time Troubleshooting</li> </ul>	✗	✓
11.	Network Time Travel	<ul style="list-style-type: none"> <li>View historical data to see the cause of a network issue</li> </ul>	✗	✓
12.	Path Trace	<ul style="list-style-type: none"> <li>Visualize application path or service</li> <li>View connectivity statistics for each hop</li> </ul>	✗	✓
13.	Knowledge Transfer	<ul style="list-style-type: none"> <li>Explain to the customer how to configure and manage the solution in the lab environment</li> </ul>	✓	✓

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