

Days: 3

Description: The SD-WAN market is one of the hottest in the communications industry, with tens of billions of dollars in revenue at stake throughout the next 5 years. IDC estimates that the global SD-WAN infrastructure market (excluding managed services) will reach \$US 5.3 billion by 2023 due to strong enterprise demand and the embrace of SD-WAN by leading service providers seeking to provide enterprises with dynamic management of hybrid WAN connections with guaranteed QoS on a per-application basis.

Course Objectives: At the completion of this course you will be prepared to pass the MEF SDCP Exam and you will possess new SDWAN knowledge that will enable you to excel in your organization. We will provide the right mix of Exam Review and an understanding of SDWAN technology topics needed for your applications.

OUTLINE: This class is based directly on the MEF SDWAN Exam Blueprint and then expanded so you understand the “What”, “Why” and “How to Apply” SD-WAN Solutions.

COMPONENTS AND FEATURES (EXAM TOPIC) OF SD-WAN

- Define the fundamentals and characteristics of an SD-WAN solution according the MEF 70 standard
- Demonstrate knowledge of the MEF 70 components and the functions of SD-WAN service components and Service Attributes

ASSESSING, PLANNING AND DESIGNING (EXAM TOPIC)

- Given a scenario, size and scale an SD-WAN solution
- Given a set of business requirements, assess application criticality and demand
- Given a scenario, recommend and justify an SD-WAN strategy based on customer strategy
- Given a scenario, determine integration requirements for a new SD-WAN network into an existing infrastructure

- Compare and contrast infrastructure and operational benefits of SD-WAN with legacy solutions

IMPLEMENTATION (EXAM TOPIC)

- Based on business requirements, define Application Flows based upon MEF 70 standard Application Flow criteria
- Based on business requirements, define and map Policies based upon MEF 70 standard Policy criteria
- Select appropriate Underlay Connectivity Services for an SD-WAN network based on the types and characteristics of available options
- Given a scenario, recommend a migration strategy from existing infrastructure to new SD-WAN service
- Determine IP subnet and address requirements at an SD-WAN subscriber sit
- Determine security requirements for an SD-WAN service

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LIFECYCLE ORCHESTRATION (EXAM TOPIC)

- Identify common service impacting issues, diagnostic toolsets, and diagnostic action
- Based on application requirements, determine the metrics for assessing service performance
- Given a scenario, troubleshoot performance issues with an SD-WAN service