Defined: SD-WAN IP Packet Delivery

An SD-WAN Service delivers IP Packets between Subscriber Network locations. In that sense it shares many attributes with a MEF IP Service (as described in MEF 61.1, *IP Service Attributes* [21]). Therefore, many of the sections of this document are derived from MEF 61.1.[5]

Since SD-WAN is intended to provide simplified connectivity options, only a selected set of Service Attributes are integrated from MEF 61.1. Conversely, since SD-WAN Services are based on Application Flows and Policies, there are a number of Service Attributes defined to describe these capabilities, and, several of the Service Attributes integrated from MEF 61.1 have been modified to focus on Application

Flow-based forwarding rather than general IP/layer 3-based forwarding. An IP Service can be used as an Underlay Connectivity Service for an SD-WAN Service.

An SD-WAN Service (SWVC) provides the logical construct of an L3 (IP) Virtual Private Routed Network for a Subscriber. This section describes the basic IP forwarding paradigm for an SD-WAN Service, and requirements that indicate which fields of an IP Packet can be modified while traversing the SD-WAN Service and under what conditions they can be modified.

[5] This is to ensure the greatest level of commonality between the two specifications as well as for expediency.

Status

PUBLISHED

Study Requirement

MEF-SDCP Exam Study Requirement

Source(s) and Reference(s)

MEF 70 - SD-WAN Service Attributes and Services Definition

MEF 61.1 - IP Service Attributes

Related and Further Reading

- SD-WAN Key Concepts and Definitions
- SD-WAN Key Concepts and Definitions
- Defined: SD-WAN Internet Breakout
- Defined: SD-WAN Internet Breakout

Project Lead

Kirby Russell

Reviewers/Conttributors

MEF-SMEs

Basil Najem

Sholy Augustine

Ryan Hoffman

MEF Staff

Daniel Bar-Lev