

# SD-WAN Controller

The **SD-WAN Controller** provides physical or virtual device management for all [SD-WAN Edges](#) associated with the controller. This includes, but is not limited to, configuration and activation, IP address management, and pushing down policies onto SD-WAN Edges.

The SD-WAN controller maintains connections to all SD-WAN Edges to identify the operational state of SD-WAN tunnels across different WANs and retrieve QoS performance metrics for each SD-WAN tunnel. These metrics are used by the Service Orchestrator.

The MSP or CSP operates and maintains the SD-WAN Controller as part an SD-WAN managed service. In the MEF LSO RA, the SD-WAN Controller communicates northbound with its Service Orchestrator via the Presto interface and southbound, via the LSO Adagio interface, to SD-WAN Edges it controls. Note that some SD-WAN implementations may combine the SD-WAN Controller and Service Orchestrator.

### Status

PUBLISHED

### Study Requirement

Not required as MEF-SDCP Exam Study Reference

### Source(s) and Reference(s)

MEF 70.1 (not released)

### Related and Further Reading

- [SD-WAN Edge](#)
- [SD-WAN Controller](#)
- [Defined: SD-WAN Service Components](#)
- [SD-WAN Tunnel Virtual Connection \(TVC\)](#)
- [SD-WAN Service Components](#)
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- [SD-WAN Controller](#)
- [SD-WAN Edge](#)
- [SD-WAN Tunnel Virtual Connection \(TVC\)](#)
- [Defined: SD-WAN Service Components](#)
- [SD-WAN UNI](#)
- [Underlay Connectivity Service \(UCS\)](#)
- [SD-WAN UNI](#)
- [Underlay Connectivity Service \(UCS\)](#)
- [SD-WAN Service Orchestrator](#)
- [SD-WAN Service Orchestrator](#)

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