

SWVC End Point Policy Map

The SWVC End Point Policy Map specifies the Policies that are assigned to Application Flows and Application Flow Groups at the SWVC End Point. The value of the SWVC End Point Policy Map is a list of 2-tuples *<app, pol>* where:

- *app* is an Application Flow or Application Flow Group name
- *pol* is a Policy name

[R51] The *app* element in each entry in the value of the SWVC End Point Policy Map **MUST** be either:

- an Application Flow Group name from the value of the SWVC List of Application Flow Groups Service Attribute (see section 8.6), or,
- an Application Flow name from the value of the SWVC List of Application Flows Service Attribute (see section 8.7)

[R52] A specific value for the *app* element in the value of the SWVC End Point Policy Map **MUST** appear in, at most, one entry in the list.

[R53] The *pol* element in each entry in the value of the SWVC End Point Policy Map **MUST** be a Policy Name from the value of the [SWVC List of Policies Service Attribute \(see section 8.5\)](#)

In order for an Application Flow to be forwarded at an SWVC End Point, it must have an assigned Policy. This can happen in two ways:

- The Application Flow can be a member of an Application Flow Group that has an assigned Policy at the SWVC End Point, or,
- The Application Flow, itself, can have an assigned Policy at the SWVC End Point.

[R54] If an Application Flow and the Application Flow Group in which the Application Flow is a member are both assigned a Policy at an SWVC End Point, the Policy assigned to the Application Flow **MUST** be used for the Application Flow.

[R54] notes that a Policy associated, explicitly, with an Application Flow overrides any Policy association for the Application Flow Group to which that Application Flow is a member.

[R55] If an Application Flow is not assigned a Policy at an SWVC End Point in the SWVC End Point Policy Map and is not a member of an Application Flow Group that is assigned a Policy at that SWVC End Point, Ingress IP Packets mapped to the Application Flow **MUST** be discarded at that SWVC End Point.

[R56] If an Application Flow is assigned the reserved Policy name block at an SWVC End Point in the SWVC End Point Policy Map, either explicitly or through membership in an Application Flow Group, Ingress IP Packets mapped to the Application Flow **MUST** be discarded at the SWVC End Point.

In order to block (blacklist) an Application Flow that is a member of an Application Flow Group that has an assigned Policy, the Application Flow is assigned the reserved Policy *block* ([see section 8.5](#)).

Note that blocking/blacklisting an Application Flow (either by not having a Policy assigned or by explicit assignment of the reserved Policy, *block*, only refers to Ingress IP Packets. Egress IP Packets (i.e., IP Packets that were forwarded from other UNIs) are delivered to the UNI for these Application Flows.

Status

PUBLISHED

Study Requirement

MEF-SDCP Exam Study Reference

Source(s) and Reference(s)

[MEF 70 - SD-WAN Service Attributes and Services Definition](#)

Related and Further Reading

- [SWVC End Point Policy Map](#)
- [SD-WAN Virtual Connection \(SWVC\) Service Attributes](#)
- [SD-WAN UNI L2 Interface Service Attribute](#)
- [SD-WAN Virtual Connection \(SWVC\) Identifier Service Attribute](#)
- [SD-WAN Virtual Connection \(SWVC\) End Point List Service Attribute](#)
- [SD-WAN Virtual Connection \(SWVC\) Reserved Prefixes Service Attribute](#)
- [SD-WAN Virtual Connection \(SWVC\) Service Uptime Objective Service Attribute](#)
- [SD-WAN Virtual Connection \(SWVC\) List of Policies Service Attribute](#)
- [SD-WAN Virtual Connection \(SWVC\) List of Application Flows Service Attribute](#)
- [SD-WAN Virtual Connection \(SWVC\) End Point Service Attributes](#)
- [Defined: SD-WAN Service Attributes](#)
- [SD-WAN PUBLIC-PRIVATE Policy Criterion](#)
- [SD-WAN Service Attributes](#)
- [SD-WAN Virtual Connection \(SWVC\) Service Attributes](#)
- [SD-WAN Policy Criteria specification and interaction](#)
- [SD-WAN BILLING-METHOD Policy Criterion](#)
- [SD-WAN INTERNET-BREAKOUT Policy Criterion](#)
- [SD-WAN BACKUP Policy Criterion](#)
- [SWVC End Point Identifier Service Attribute](#)
- [Defined: SD-WAN UNI](#)

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