SD-WAN Virtual Connection (SWVC) List of Policies Service Attribute

Associated with each SWVC is a list of named Policies that can be applied to Application Flows and A pplication Flow Groups at SWVC End Points (see section 9.3).

The value of this Service Attribute is a non-empty list of 2-tuples of the form (polName,polCL) where:

- polName is an Identifier String that specifies the name of the Policy. polName cannot be "bloc k".
- polCL is a non-empty list of Policy Criteria 2-tuples, of the form (PCName,PCparam) where:
 - PCName is an Identifier String containing a Policy Criterion name from Table 3, or a Service Provider-defined Policy Criterion name.
 - PCparam is a non-empty list of parameter values specific to the Policy Criterion specified in PCName.

[R17] A Policy name, pol/Name, in the value of the SWVC List of Policies Service Attribute MUST appear, at most, once.

[R18] A Policy Criterion name, PCName, MUST appear, a

t most, once in each list of Policy Criteria, *polCL*, in the value of the SWVC List of Policies Service Attribute.

[D1] The Policy Criteria listed in Table 3 SHOULD be supported for SWVCs.

PCname	Description	Values
ENCRYPTION	Indicates whether or not the Application Flow requires en- cryption.	Yes, Either
PUBLIC-PRIVATE	Indicates whether the Application Flow can traverse Public or Private Underlay Connectivity Services (or both).	Private-only, Either
INTERNET- BREAKOUT	Indicates whether the Application Flow should be forwarded to an Internet destination.	Yes, No
BILLING-METHOD	Indicates whether the Application Flow can be sent over an Underlay Connectivity Service that has usage-based or flat-rate billing.	Flat-Rate-Only, Either
BACKUP	Indicates whether this Application Flow can use a TVC designated as "backup".	Yes, No
BANDWIDTH	Specifies a rate limit on the Application Flow.	<commit, max=""></commit,>

Table 3 – Policy Criteria

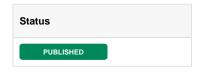
The behavior of these Policy Criteria is described in subsequent sections.

[R19] If the Service Provider defines its own Policy Criteria, the *PCNames* chosen by the Service Provider **MUST NOT** be the same as any of the *PCNames* in Table 3.

[R20] If the Service Provider defines its own Policy Criteria, the description of each Policy Criterion agreed upon with the Subscriber **MUST** include the following items:

- The PCName
- The possible values for the Policy Criterion
- The behavior associated with each value
- The behavior of each value when used with INTERNET-BREAKOUT
- Any interactions that the Policy Criterion has with other Policy Criteria

An example of a value for this Service Attribute is shown below:



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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