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# Classes

## VlanFcCapability

Applied stereotypes:

* OpenModelClass
* support: MANDATORY
* OpenInterfaceModelClass
* objectCreationNotification: NO
* objectDeletionNotification: NO

Attributes for VlanFcCapability

Table 1: Attributes for VlanFcCapability

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |
| supportedSubLayerProtocolNameList | SubLayerProtocolNameType  NOT\_YET\_DEFINED | 0..\* | R | OpenInterfaceModelAttribute  • AVC: NO  • bitLength: NA  OpenModelAttribute  • partOfObjectKey: 0  • isInvariant: true  • valueRange: no range constraint  • unit: no unit defined  • support: MANDATORY | Lists the supported kinds of Components (implicitly defines the Ethertypes of the VLAN headers, which can be forwarded). |

## VlanFcConfiguration

Applied stereotypes:

* OpenModelClass
* support: MANDATORY
* OpenInterfaceModelClass
* objectCreationNotification: NO
* objectDeletionNotification: NO

Attributes for VlanFcConfiguration

Table 1: Attributes for VlanFcConfiguration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |
| fcName | String  VLAN name not yet defined. | 1 | RW | Reference  OpenInterfaceModelAttribute  • AVC: YES  • bitLength: NA  OpenModelAttribute  • partOfObjectKey: 0  • isInvariant: false  • valueRange: no range constraint  • unit: no unit defined  • support: MANDATORY | Description of the VLAN, could be a name, could be a number. Free text of up to 32 letters to be filled by the operator. Name in ieee802-dot1q-bridge.yang: name. |
| subLayerProtocolName | SubLayerProtocolNameType  NOT\_YET\_DEFINED | 1 | RW | OpenInterfaceModelAttribute  • AVC: NO  • bitLength: NA  OpenModelAttribute  • partOfObjectKey: 0  • isInvariant: true  • valueRange: no range constraint  • unit: no unit defined  • support: MANDATORY | Type of VLAN (e.g. C-VLAN, S-VLAN), respectively Ethertype, which is forwarded. |
| vlanId | Integer  -1 | 1 | RW | Reference  OpenInterfaceModelAttribute  • AVC: NO  • bitLength: LENGTH\_64\_BIT  OpenModelAttribute  • partOfObjectKey: 0  • isInvariant: true  • valueRange: no range constraint  • unit: no unit defined  • support: MANDATORY | The VLAN ID, which identifies the frames to be forwarded. Range '1..4094 | 4096..4294967295'. Name in ieee802-dot1q-bridge.yang: vid. |

## VlanFcSpec

Represents the VLAN, which is configured on the C-VLAN or S-VLAN Component. Name in ieee802-dot1q-bridge.yang: vlan.

Applied stereotypes:

* OpenModelClass
* support: MANDATORY
* Reference
* reference: invalid
* OpenInterfaceModelClass
* objectCreationNotification: YES
* objectDeletionNotification: YES

Attributes for VlanFcSpec

Table 1: Attributes for VlanFcSpec

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |
| \_vlanFc\_Pac | VlanFc\_Pac  ./. | 1 | RW | OpenInterfaceModelAttribute  • AVC: NO  • bitLength: NA  OpenModelAttribute  • partOfObjectKey: 0  • isInvariant: true  • valueRange: no range constraint  • unit: no unit defined  • support: MANDATORY | See referenced class |

## VlanFc\_Pac

Applied stereotypes:

* OpenModelClass
* support: MANDATORY
* OpenInterfaceModelClass
* objectCreationNotification: NO
* objectDeletionNotification: NO

Attributes for VlanFc\_Pac

Table 1: Attributes for VlanFc\_Pac

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |
| \_vlanFcCapability | VlanFcCapability  ./. | 1 | R | OpenInterfaceModelAttribute  • AVC: NO  • bitLength: NA  OpenModelAttribute  • partOfObjectKey: 0  • isInvariant: true  • valueRange: no range constraint  • unit: no unit defined  • support: MANDATORY | See referenced class |
| \_vlanFcConfiguration | VlanFcConfiguration  ./. | 1 | RW | OpenInterfaceModelAttribute  • AVC: NO  • bitLength: NA  OpenModelAttribute  • partOfObjectKey: 0  • isInvariant: true  • valueRange: no range constraint  • unit: no unit defined  • support: MANDATORY | See referenced class |

# Data Types

# Enumeration Types

## LayerProtocolNameType

A controlled list of LayerProtocol names.

Contains Enumeration Literals:

* LAYER\_PROTOCOL\_NAME\_TYPE\_VLAN\_LAYER:

## SubLayerProtocolNameType

Represents the type of Component. Name in ieee802-dot1q-bridge.yang: type-of-component.

Contains Enumeration Literals:

* C\_VLAN\_COMPONENT:
  + Base identity for a C-VLAN component. Name in ieee802-dot1q-bridge.yang: c-vlan-component.
* S\_VLAN\_COMPONENT:
  + Base identity for a S-VLAN component. Name in ieee802-dot1q-bridge.yang: s-vlan-component.
* D\_BRIDGE\_COMPONENT:
  + Base identity for a VLAN unaware component. Name in ieee802-dot1q-bridge.yang: d-bridge-component.
* EDGE\_RELAY\_COMPONENT:
  + Base identity for an EVB station ER component. Name in ieee802-dot1q-bridge.yang: edge-relay-component.
* NOT\_YET\_DEFINED: