IPProtocolEndpoint
(See Network Model)

IPEncapsulationInterface (E)
- EncapsulationMode: uint16 (enum)
- OtherEncapsulationMode: string
- VRFContext: string
- OuterfDestinationIPAddress: string
- TunnelSourceInterface: string

SwitchVirtualInterface (E)
- VLANId: uint16

IPSubinterface (E)
- EncapsulationType: uint16 (enum)
- ParentInterface: string
- EncapsulationValue: string
- OtherEncapsulationType: string
- ElementName: string

IPLoopback (E)
- ElementName: string
Pipes

Association
Aggregation
Composition Aggregation

Equivalent to: 0..n

System

(See Core Model)

Containment

AdminDomain

(See Core Model)

HostedNetworkPipe

NetworkPipe

InstanceID: string (key)
Directionality: uint16 (enum)
AggregationBehavior: uint16 (enum)
EnabledState: uint16 (enum)
RequestedState: uint16 (enum)

NetworkPipe

Directionality: uint16 (enum)
SessionType: uint16 (enum)
TSIH: uint32
EndpointName: string
CurrentConnections: uint32
InitialR2T: boolean
ImmediateData: boolean
MaxOutstandingR2T: uint32
MaxUnsolicitedFirstDataBurstLength: uint32
MaxDataBurstLength: uint32
DataSequenceInOrder: boolean
DataPDUInOrder: boolean
ErrorRecoveryLevel: uint32
MaxConnectionsPerSession: uint32
DefaultTimeToWait: uint32
DefaultTimeToRetain: uint32

iSCSISession

Directionality: uint16 (enum)
SessionType: uint16 (enum)
TSIH: uint32
EndpointName: string
CurrentConnections: uint32
InitialR2T: boolean
ImmediateData: boolean
MaxOutstandingR2T: uint32
MaxUnsolicitedFirstDataBurstLength: uint32
MaxDataBurstLength: uint32
DataSequenceInOrder: boolean
DataPDUInOrder: boolean
ErrorRecoveryLevel: uint32
MaxConnectionsPerSession: uint32
DefaultTimeToWait: uint32
DefaultTimeToRetain: uint32

iSCSIConnection

ConnectionID: uint32
MaxReceiveDataSegmentLength: uint32
MaxTransmitDataSegmentLength: uint32
HeaderDigestMethod: uint16 (enum)
OtherHeaderDigestMethod: string
DataDigestMethod: uint16 (enum)
OtherDataDigestMethod: string
ReceivingMarkers: boolean
SendingMarkers: boolean
ActiveiSCSIVersion: boolean
AuthenticationMethodUsed: uint16 (enum)
MutualAuthentication: boolean
Buffers

Association
Association with WEAK reference
Aggregation
Aggregation with WEAK reference
Composition Aggregation

Equivalent to: 0 .. n

ManagedSystemElement
(See Core Model)

LogicalElement
(See Core Model)

EnabledLogicalElement
(See Core Model)

ServiceAccessPoint
(See Core Model)

ProtocolEndpoint
(See Core Model)

MPLSProtocolEndpoint
(See Network Model (Protocol Endpoints))

Component
ManagedElement
(See Core Model)

Logical Identity

Dependency

Collection
(See Core Model)

CollectionOfMSEs
(See Core Model)

BufferPool
Collected BufferPool

CollectionID: string {override, key}
CreationClassName: string {key}
Name: string
BufferSize: uint16 {D. units}
BufferSize: uint32 {units}
TotalBuffers: uint32
AvailableBuffers: uint32
SharedBuffers: uint32

MPLSBuffers {E}

MAxAllocMultiplier: uint16 {units}
ResourceClasses: uint32

MPLSProtocolEndpoint
(See Network Model (Protocol Endpoints))

* Equivalent to: 0 .. n

CollectionOfMSEs
(See Core Model)
SNMP Association

Aggregation with WEAK reference

Inheritance

Aggregation with WEAK reference

Composition Aggregation

* Equivalent to: 0 .. n

Composition Aggregation

(See Core Model)

LogicalElement

(See Core Model)

EnabledLogicalElement

(See Core Model)

ServiceAccessPoint

(See Core Model)

Service

(See Core Model)

SNMPCommuityStrings

CommunityString: string

TypeOfAccess: uint16 {enum}

LogicalEntitiesAccessed: string[]

LogicalEntitiesDescriptions: string[]

ProtocolEndpoint

(See Core and Networks Models (Protocol Endpoints))

TrapSourceFor SNMPService

0..1

RemoteServiceAccessPoint

(See Core Model)

RemotePort

(See Core Model)

SNMPTrapTarget

NotificationMessage: uint16 {enum}

SNMPVersion: uint16 {enum}

CommunityString: string
Switching & Bridging 2

ServiceAccessPoint
(See Core Model)

Service
(See Core Model)

ServiceStatistics

SAPStatistics

SwitchPortStatistics
InFrames: uint32
OutFrames: uint32
InDiscards: uint32

SwitchPortTransparentBridgingStatistics
InFrames: uint32
OutFrames: uint32
InDiscards: uint32

SwitchPortSpanningTreeStatistics
ForwardedTransitions: uint32

SpanningTreeStatistics
TimeSinceTopologyChange: uint32
TopChanges: uint32

TransparentBridgingStatistics
LearnedEntryDiscards: uint32

SAPStatisticalInformation
(See Core Model)

SwitchStatisticalInformation
(See Core Model)

ServiceStatisticalInformation
(See Core Model)

StatisticalInformation
(See Core Model)
**QoS**

Service

(See Core Model)

PrecedenceValue: uint8

DiffServ

DSCP: uint8 (D)

PHBID: uint16

Hdr8021P

PriorityValue: uint8

FlowService

FlowID: string

EFServie (D)

AFService

ClassNumber: uint8

DropperNumber: uint8

AFRelatedServices

DropThresholdCalculationService

SmoothingWeight: uint32 (units)

TimeInterval: uint32 (units)

EnabledLogicalElement

(See Core Model)

Inheritance

Association

Association with WEAK reference

Aggregation

Aggregation with WEAK reference

Composition Aggregation

* Equivalent to: 0..n

PrecedenceService (D)

Enabled: boolean (D)

ConditioningService

OnEndpoint

EgressConditioningService

OnEndpoint

ProtocolEndpoint

(See Core and Networks Models (Protocol Endpoints))

ConditioningService

OnEndpoint [D]

DropperNumber

uint8

AFRelatedServices
Topology

DeviceConnectivityCollection

Collection

(SystemSpecificCollection)

(See Core Model)

ConnectivityCollection

(SystemSpecificCollection)

(See Core Model)

RelatedTopologyGraph

VirtualRoutingAndForwardingTable

InstanceID: string (key)

ElementName: string

RouteDistinguisher: string

TopologyGraph

InstanceID: string (key)

Composition Aggregation

Aggregation with WEAK reference

Association with WEAK reference

Inheritance

Equivalent to: 0 .. n
LinkAggregation (802.3ad)

- Association
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation

Equivalent to: 0..n

(E) Experimental Class or Property
(D) Deprecated Class or Property

HostedAccessPoint

LinkAggregator8023ad (E)
- ActorSystemID: string
- ActorSystemPriority: uint16
- TimeOfLastOperChange: datetime
- RepresentsAggregate: boolean
- MACAddress: string
- ActorOperKey: uint16
- ActorAdminKey: uint16
- CollectorMaxDelay: datetime

RemoteServiceAccessPoint

LinkAggregatorPartnerConnection

0..1

LAGPortPartnerConnection

0..1

LAGPort8023ad (E)
- ActorSystemID: string
- ActorSystemPriority: uint16
- ActorPort: uint16
- ActorPortPriority: uint16
- ActorOperKey: uint16
- ActorOperState: [uint16]
- ActorAdminState: [uint16]
- RepresentsAggregate: boolean
- SelectedAggID: uint32

LAGControlCapabilities (E)
- LAGControlMode: uint16
- LAGControlProtocol: uint16

LAGPortPartnerSettings (E)
- PortPartnerAdminSystemID: string
- PortPartnerAdminSystemPriority: uint16
- PortPartnerAdminKey: uint16
- PortPartnerAdminPort: uint16
- PortPartnerAdminPortPriority: uint16

LAGPortStatistics (E)
- PortStatsLACPUsRx: uint32
- PortStatsMarkerPDUssRx: uint32
- PortStatsMarkerResponsePDUssRx: uint32
- PortStatsUnknownRx: uint32
- PortStatsIllegalRx: uint32
- PortStatsLACPUsTx: uint32
- PortStatsMarkerPDUssTx: uint32
- PortStatsMarkerResponsePDUssTx: uint32

Capability

(See Core Model)
OverloadingPermitted: boolean

AddressesTo BeTranslated
Subclass of Dependency

TranslationPoolForNAT
Subclass of Dependency

RangeOfIPAddresses
(See Networks Model (Collections))

FilterList
(See Networks Model (Filtering))

NATStaticSetting (E)
InsideAddress: string
OutsideAddress: string

NATListBasedSettings (E)
OverloadingPermitted: boolean

TimeoutsForNATTranslation (E)
TranslationTimeout: datetime
UDPTimeout: datetime
TCPTimeout: datetime

NATSettingData (E)
IsInside: boolean
AddressExamined: uint16

ScopedSettingData
(See Core Model)

NATService (E)

ForwardingService
(See Networks Model (Routing & Forwarding))

ForwardsAmong

ProtocolEndpoint
(See Core and Networks Model (Protocol Endpoints))

NATServiceRunningOnEndpoint
Subclass of ForwardsAmong
ConnectedNetwork: uint16

Equivalent to: 0 .. n

Composition Aggregation

Association with WEAK reference

Association

Inheritance

Aggregation

Aggregation with WEAK reference

Equivalent to: 0 .. n

Composition Aggregation

Aggregation

Inheritance

Association with WEAK reference

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ForwardingService

ForwardsAmong

NATServiceRunningOnEndpoint

ConnectedNetwork: uint16

TimeoutsForNATTranslation

TranslationTimeout: datetime
UDPTimeout: datetime
TCPTimeout: datetime

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AddressExamined: uint16

ScopedSettingData

(See Core Model)

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NATSettingData (E)

NATListBasedSettings (E)

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(See Core and Networks Model (Protocol Endpoints))

NATServiceRunningOnEndpoint
Subclass of ForwardsAmong
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Equivalent to: 0 .. n

Composition Aggregation

Association with WEAK reference

Association

Inheritance

Aggregation

Aggregation with WEAK reference

Equivalent to: 0 .. n

Composition Aggregation

Aggregation

Inheritance

Association with WEAK reference

Association

ProtocolEndpoint

ForwardingService

ForwardsAmong

NATServiceRunningOnEndpoint

ConnectedNetwork: uint16

TimeoutsForNATTranslation

TranslationTimeout: datetime
UDPTimeout: datetime
TCPTimeout: datetime

NATSettingData

IsInside: boolean
AddressExamined: uint16

ScopedSettingData

(See Core Model)

TimeoutsForNATTranslation (E)

NATSettingData (E)

NATListBasedSettings (E)

OverloadingPermitted: boolean

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(See Core and Networks Model (Protocol Endpoints))

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Equivalent to: 0 .. n

Composition Aggregation

Association with WEAK reference

Association

Inheritance

Aggregation

Aggregation with WEAK reference

Equivalent to: 0 .. n

Composition Aggregation

Aggregation

Inheritance

Association with WEAK reference

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ProtocolEndpoint

ForwardingService

ForwardsAmong

NATServiceRunningOnEndpoint

ConnectedNetwork: uint16

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TranslationTimeout: datetime
UDPTimeout: datetime
TCPTimeout: datetime

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AddressExamined: uint16

ScopedSettingData

(See Core Model)

TimeoutsForNATTranslation (E)

NATSettingData (E)

NATListBasedSettings (E)

OverloadingPermitted: boolean

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ForwardsAmong

ProtocolEndpoint
(See Core and Networks Model (Protocol Endpoints))

NATServiceRunningOnEndpoint
Subclass of ForwardsAmong
ConnectedNetwork: uint16

Equivalent to: 0 .. n

Composition Aggregation

Association with WEAK reference

Association

Inheritance

Aggregation

Aggregation with WEAK reference

Equivalent to: 0 .. n

Composition Aggregation

Aggregation

Inheritance

Association with WEAK reference

Association

ProtocolEndpoint

ForwardingService

ForwardsAmong

NATServiceRunningOnEndpoint

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TimeoutsForNATTranslation

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UDPTimeout: datetime
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ScopedSettingData

(See Core Model)

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NATSettingData (E)

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ProtocolEndpoint
(See Core and Networks Model (Protocol Endpoints))

NATServiceRunningOnEndpoint
Subclass of ForwardsAmong
ConnectedNetwork: uint16

Equivalent to: 0 .. n

Composition Aggregation

Association with WEAK reference

Association

Inheritance

Aggregation

Aggregation with WEAK reference

Equivalent to: 0 .. n

Composition Aggregation

Aggregation

Inheritance

Association with WEAK reference

Association

ProtocolEndpoint

ForwardingService

ForwardsAmong

NATServiceRunningOnEndpoint

ConnectedNetwork: uint16

TimeoutsForNATTranslation

TranslationTimeout: datetime
UDPTimeout: datetime
TCPTimeout: datetime

NATSettingData

IsInside: boolean
AddressExamined: uint16

ScopedSettingData

(See Core Model)

TimeoutsForNATTranslation (E)

NATSettingData (E)

NATListBasedSettings (E)

OverloadingPermitted: boolean

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(See Networks Model (Filtering))

NATService (E)

ForwardingService
(See Networks Model (Routing & Forwarding))

ForwardsAmong

ProtocolEndpoint
(See Core and Networks Model (Protocol Endpoints))

NATServiceRunningOnEndpoint
Subclass of ForwardsAmong
ConnectedNetwork: uint16

Equivalent to: 0 .. n

Composition Aggregation

Association with WEAK reference

Association

Inheritance

Aggregation

Aggregation with WEAK reference

Equivalent to: 0 .. n

Composition Aggregation

Aggregation

Inheritance

Association with WEAK reference

Association

ProtocolEndpoint

ForwardingService

ForwardsAmong

NATServiceRunningOnEndpoint

ConnectedNetwork: uint16

TimeoutsForNATTranslation

TranslationTimeout: datetime
UDPTimeout: datetime
TCPTimeout: datetime

NATSettingData

IsInside: boolean
AddressExamined: uint16

ScopedSettingData

(See Core Model)

TimeoutsForNATTranslation (E)

NATSettingData (E)

NATListBasedSettings (E)

OverloadingPermitted: boolean

AddressesTo BeTranslated
Subclass of Dependency

TranslationPoolForNAT
Subclass of Dependency

RangeOfIPAddresses
(See Networks Model (Collections))

FilterList
(See Networks Model (Filtering))

NATStaticSetting (E)
InsideAddress: string
OutsideAddress: string

NATListBasedSettings (E)
iSCSICapabilities

- MinimumSpecificationVersionSupported: uint8
- MaximumSpecificationVersionSupported: uint8
- AuthenticationMethodsSupported: uint16[] {enum}
- SupportedFeatures: uint16[ ] {E, Enum}
- OtherSupportedFeatures: string[] {E}

iSCSIConfigurationCapabilities {E}

- iSCSIProtocolEndpointCreationSupported: boolean
- IdentifierSelectionSupported: boolean
- iSCSINodeCreationSupported: boolean

iSCSIConfigurationService {E}

CreateiSCSIProtocolEndpoint (IN iSCSIController : ref SCSIProtocolController, IN Role : uint16 {enum}, IN Identifier : string, IN NetworkPortals : ref ProtocolEndpoint[]), OUT iSCSIPort : ref iSCSIProtocolEndpoint ) : uint32 {enum}

DeleteiSCSIProtocolEndpoint (IN iSCSIController : ref iSCSIProtocolEndpoint ), iSCSIController (IN iSCSIController : ref SCSIProtocolController ) : uint32

BindiSCSIProtocolEndpoint (IN iSCSIController : ref iSCSIProtocolEndpoint, IN NetworkPortal : ref ProtocolEndpoint ), iSCSIController (IN iSCSIController : ref SCSIProtocolController ) : uint32

CreateiSCSINode (IN Alias : string), iSCSINode (IN iSCSINode : ref SCSIProtocolController ) : uint32

DeleteiSCSINode (IN iSCSINode : ref SCSIProtocolController ) : uint32

MaxConnectionsPerSession : uint32
- InitialR2TPreference : boolean
- ImmediateDataPreference : boolean
- MaxOutstandingR2T : uint32
- MaxUnsolicitedFirstDataBurstLength : uint32
- MaxDataBurstLength : uint32
- DataSequenceInOrderPreference : boolean
- DefaultTimeToWaitPreference : uint32
- DefaultTimeToRetainPreference : uint32
- ErrorRecoveryLevelPreference : uint32

MaxReceiveDataSegmentLength : uint32
- PrimaryHeaderDigestMethod : uint16 {enum}
- OtherPrimaryHeaderDigestMethod : string
- PrimaryDataDigestMethod : uint16 {enum}
- OtherPrimaryDataDigestMethod : string
- SecondaryHeaderDigestMethod : uint16 {enum}
- OtherSecondaryHeaderDigestMethod : string
- SecondaryDataDigestMethod : uint16 {enum}
- OtherSecondaryDataDigestMethod : string
- RequestingMarkersOnReceive : boolean
- PrimaryAuthenticationMethod : uint16
- SecondaryAuthenticationMethod : uint16

SettingData
(See Core Model)

Capabilities
(See Core Model)

EnabledLogicalElement
(See Core Model)

LogicalElement
(See Core Model)

Service
(See Core Model)
iSCSI Session Statistics

- Command PDUs Transferred: uint64
- Response PDUs Transferred: uint64
- Bytes Transmitted: uint64
- Bytes Received: uint64
- Digest Errors: uint64
- Connection Timeout Errors: uint64

iSCSI Login Statistics

- Login Failures: uint64
- Last Login Failure Time: datetime
- Last Login Failure Type: uint16 (enum)
- Other Last Login Failure Type: string
- Last Login Failure Remote Node Name: string
- Last Login Failure Remote Address Type: uint16 (enum)
- Last Login Failure Remote Address: uint32
- Successful Logins: uint64
- Negotiation Login Failures: uint64
- Authentication Login Failures: uint64
- Authorization Login Failures: uint64
- Login Redirects: uint64
- Other Login Failures: uint64
- Normal Logouts: uint64
- Other Logouts: uint64

iSCSI Session Failures

- Session Failures: uint64
- Last Session Failure Time: datetime
- Last Session Failure Type: uint16 (enum)
- Other Last Session Failure Type: string
- Last Session Failure Remote Node Name: string
- Session Digest Failures: uint64
- Session Connection Timeout Failures: uint64
- Session Format Errors: uint64
#### Channel Extender

**ManagedElement**

(See Core Model)

**Element**

StatisticalData

(See Core Model (Statistics))

**NetworkPortStatistics**

(See Device Model (Logical Port))

**FCPortStatistics**

(See Device Model (Fibre Channel))

**EthernetPortStatistics**

(See Device Model (Logical Port))

**TCPStatisticalData**

ActiveOpenConnections : uint32
PassiveOpenConnections : uint32
AttemptsFails : uint32
EstablishedResets : unit32
EstablishedConnections : unit32
ReceivedSegments : unit32
SentSegments : unit32
RetransmittedSegments : unit32
ReceivedSegmentsInError : uint32
SentResetSegments : uint32

**TCPEndpointStatistics**

ReceivedPDUs : uint32
ReceivedPDUHeaderErrors : uint32
ReceivedPDUAddressErrors : uint32
SentPDUs : uint32

**ProtocolEndpointStatistics**

ReceivedPDUs : uint32
ReceivedPDUHeaderErrors : uint32
ReceivedPDUAddressErrors : uint32
SentPDUs : uint32

**IPEndpointStatistics**

ReceivedPDUs : uint32
ReceivedPDUHeaderErrors : uint32
ReceivedPDUAddressErrors : uint32
SentPDUs : uint32

**FCIPSettings**

ConnectionUsageFlags : enum
SpecialFrameTimeout : uint32
KeepAliveTimeout : uint32

**TCPSettings**

RetransmissionTimeoutAlgorithm : enum
RetransmissionTimeoutMin : unit16
RetransmissionTimeoutMax : unit16

**IPSettings**

FragmentationTimeout : uint32
DefaultTimeToLive : uint32
EnableIPForwarding : boolean

**Element**

SettingData

(See Core Model)

**StatisticalData**

Equivalent to: 0..n

**Aggregation**

Aggregation with WEAK reference

**Composition**

Composition Aggregation

(See Core Model (Statistics))
MediaRedirection

RedirectionServiceCapabilities (E)
(See Redirection)

MediaRedirectionCapabilities (E)
ConnectionModesSupported: uint16[] (enum)
DevicesSupported: uint16[] (enum)
MaxDevicesSupported: uint16[]
MaxDevicesPerSAP: uint16[]
SAPCapabilitiesSupported: uint16[] (enum)
InfoFormatsSupported: uint16[] (enum)

ServiceAccessPoint
(See Core Model)

MediaRedirectionSAP (E)
ConnectionMode: unit16 (enum)
CommandTimeout: datetime
ResetTimeout: datetime
Sessiontimeout: datetime

Inheritance

Association
Association with WEAK reference
Aggregation
Aggregation with WEAK reference
Composition Aggregation
★ Equivalent to: 0 .. n
ConfigurationServices

AddLANEndpoint (IN CIM_NetworkPort REF Port
[OUT] CIM_LANEndpoint REF Endpoint
[IN] Address: string
[IN] LANID: string
[IN] AliasAddresses: string[]
[IN] GroupAddresses: string[]
): uint32 enum

ApplySettingToLANEndpoint (IN IPAssignmentSettingData REF Configuration,
[IN] LANEndpoint REF Endpoint,
[IN] ConcreteJob REF Job
): uint32 enum

AddStaticIPv4Address (OUT CIM_StaticIPv4AssignmentSettingData REF StaticSetting,
[IN] Address: string
[IN] SubnetMask: string
[IN] Gateway: string
): uint32 enum

ApplySettingToLANEndpoint (IN IPAssignmentSettingData REF Configuration,
[IN] LANEndpoint REF Endpoint,
[IN] ConcreteJob REF Job
): uint32 enum

AddIPProtocolEndpoint (IN CIM_ManagedElement REF TargetInterface
[IN] IPProtocolEndpoint: string[]
[IN] EndpointSettings: string[]
[IN] CIM_IPProtocolEndpoint REF[] ResultingEndpoint
[OUT] CIM_ConcreteJob REF Job
): uint32 enum

RemoveIPProtocolEndpoint (IN CIM_IPProtocolEndpoint REF[] Endpoint
[OUT] CIM_ConcreteJob REF Job
): uint32 enum
Association Hierarchy

LogicalIdentity
SystemElement: ref LogicalElement (key, *)
SameElement: ref LogicalElement (key, *)

EndpointIdentity
SystemElement: ref ProtocolEndpoint (*)
SameElement: ref ProtocolEndpoint (*)

ElementSettingData
ManagedElement: ref ManagedElement (key, *)
SettingData: ref SettingData (key, *)
IsDefault : uint16 (enum)
IsCurrent: uint16 (enum)

TransformOfSecurityAssociation
IPSecSAEndpoint: ref ManagedElement (*)
SATransform: ref SettingData {1}

AFRelatedServices
AFLowerDropPrecedence: ref AFService {0..1}
AFHigherDropPrecedence: ref AFService (*)

NextService
PrecedingService: ref ConditioningService (key, *)
FollowingService: ref ConditioningService (key, *)

NextScheduler
PrecedingService: ref PacketSchedulingService (*)
FollowingService: ref PacketSchedulingService {0..1}

FailNextScheduler
PrecedingService: ref NonWorkConservingSchedulingService (*)
FollowingService: ref PacketSchedulingService {0..1}

NextServiceAfterClassifierElement
PrecedingService: ref ClassifierElement (*)
FollowingService: ref ConditioningService {1}

NextServiceAfterMeter
PrecedingService: ref MeterService (key, *)
FollowingService: ref ConditioningService (key, *)
MeterResult: uint16 (key, enum)

QueueToSchedule
Queue: ref QueuingService {key, 0..1}
SchedElement: ref SchedulingElement (key, *)

SchedulingServiceToSchedule
SchedService: ref PacketSchedulingService (key, 0..1)
SchedElement: ref SchedulingElement (key, *)
GroupComponent: ref Service (*)
PartComponent: ref Service (*)

QoSSubService (Composition)
GroupComponent: ref QoSService (0..1)
PartComponent: ref QoSService (*)

SwitchServiceSourceRouting
GroupComponent: ref SwitchService {1..n}
PartComponent: ref SourceRoutingTreeService (*)

SwitchServiceSpanningTree
GroupComponent: ref SwitchService {1..n}
PartComponent: ref SpanningTreeService (*)

SwitchServiceTransparentBridging
GroupComponent: ref SwitchService {1..n}
PartComponent: ref TransparentBridgingService (*)

SwitchServiceVLAN {D}
GroupComponent: ref SwitchService {1}
PartComponent: ref VLANService (*)

ClassifierElementInClassifierService (Composition)
GroupComponent: ref ClassifierService {1}
PartComponent: ref ClassifierElement (*)
ClassifierOrder: uint32
Deprecated VLAN

Component

ManagedElement

* (See Core Model)

Dependency

ManagedSystemElement

* (See Core Model)

LogicalElement

* (See Core Model)

EnabledLogicalElement

* (See Core Model)

Component

Service

(See Core Model)

ServiceAccessPoint

(See Core Model)

VLANService (D)

1..n VLANFor (D)

VLAN (D)

VLANNumber: uint32

Specific802dot1QVLANService (D)

SwitchServiceVLAN (D)

RelatedTransparentBridgingService (D)

SwitchPort

(See Networks Model (Switching & Bridging))

TransparentBridgingService

(See Networks Model (Switching & Bridging))

VLANNumber

uint32
Deprecated Associations 2

- **HostedDependency**
  - (See Network Model (HostedDependency))

- **BindsToLANEndpoint**
  - (See Network Model (Dependency 2))

- **Switchable**
  - Antecedent: ref LANEndpoint (0..1)
  - Dependent: ref SwitchPort (0..1)

- **Statistics**
  - Stats: ref StatisticalInformation (key *)
  - Element: ref ManagedElement (key, *)

- **ServiceStatistics**
  - Stats: ref ServiceStatisticalInformation (weak, *)
  - Element: ref Service (1)

- **BGPServiceStatistics**
  - Stats: ref BGPStatistics (0..1)
  - Element: ref BGPService (1)

- **LogicalNetworkService**
  - Network: ref LogicalNetwork (key, *)
  - NetworkService: ref NetworkService (key, *)
  - ContainmentType: uint16 (enum)

- **NetworksInAdminDomain**
  - Domain: ref AdminDomain (key, 1)
  - Network: ref LogicalNetwork (key, weak, *)