

# Prime Central 1.3 NBI Guide

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## Overview

The Cisco MTOSI information model conforms to MTOSI 2.0 and operational APIs. Cisco reference implementation extensions are introduced to support proprietary APIs and namespaces as per Cisco Prime release requirements.

All APIs are supported as SOAP-based web services. Interfaces and operations are defined in WSDL files. The input/output data types and the fault messages for corresponding operations are defined in XSD files.

## Managed Elements and Equipment Inventory

Prime Central supports the following physical inventory retrieval and notification APIs. For detailed definitions of the APIs and their corresponding data types, see the following files:

- Managed Elements:
  - ManageResourceInventory/IIS/wsd/ManagedElementRetrieval/ManagedElementRetrievalHttp.wsd
  - ManageResourceInventory/IIS/xsd/ManagedElementRetrievalMessages.xsd
- Equipment:
  - ManageResourceInventory/IIS/wsd/EquipmentInventoryRetrieval/EquipmentInventoryRetrievalHttp.wsd
  - ManageResourceInventory/IIS/xsd/EquipmentInventoryRetrievalMessages.xsd
- Physical Termination Points:
  - ManageResourceInventory/IIS/wsd/TerminationPointRetrieval/TerminationPointRetrievalMessages.wsd
  - ManageResourceInventory/IIS/xsd/TerminationPointRetrievalMessages.xsd
- Physical Inventory Extensions:
  - NetworkResourceFulfillment/IIS/xsd/Cisco\_ME\_EQ\_Inventory.xsd
  - NetworkResourceFulfillment/IIS/xsd/Cisco\_ComputerServer.xsd
- Notifications:\*\* Framework/IIS/wsd/NotificationProducer/NotificationProducerHttp.wsd\*\* Framework/IIS/xsd/NotificationMessages.xsd

### WSDL Endpoints:

1. [https://<server IP>:<port #>/prime/inventory/ManagedElementRetrieval\\_RPC?wsdl](https://<server IP>:<port #>/prime/inventory/ManagedElementRetrieval_RPC?wsdl)
  - a. server IP - Prime Central server IP
  - b. port # - configurable, ex 9110
2. [https://<server IP>:<port #>/prime/inventory/ManagedElementNamesRetrieval\\_RPC?wsdl](https://<server IP>:<port #>/prime/inventory/ManagedElementNamesRetrieval_RPC?wsdl)

- a. server IP - Prime Central server IP
- b. port # - configurable, ex 9110
3. [https://<server IP>:<port #>/prime/inventory/EquipmentRetrieval\\_RPC?wsdl](https://<server IP>:<port #>/prime/inventory/EquipmentRetrieval_RPC?wsdl)
  - a. server IP - Prime Central server IP
  - b. port # - configurable, ex 9110
4. [https://<server IP>:<port #>/prime/inventory/TerminationPointRetrieval\\_RPC?wsdl](https://<server IP>:<port #>/prime/inventory/TerminationPointRetrieval_RPC?wsdl)
  - a. server IP - Prime Central server IP
  - b. port # - configurable, ex 9110
5. <https://<server IP>:<port #>/prime/inventory/NotificationProducer?wsdl>
  - a. server IP - Prime Central server IP
  - b. port # - configurable, ex 9110

The following table lists the managed element and equipment inventory APIs, as well as notification-related APIs for inventory object creation and deletion and attribute value changes.

Object Type	API	Function
ME	<i>operation: getAllManagedElements</i> <i>input: getAllManagedElementsRequest</i> <i>output: getAllManagedElementsResponse</i> <i>fault: getAllManagedElementsException</i>	Retrieves all managed elements. When this operation succeeds, all managed elements under PRIME_CISCO are returned with the desired number of elements per iteration.
ME	<i>operation: getManagedElementsIterator</i> <i>input: getManagedElementsIteratorRequest</i> <i>output: getManagedElementsIteratorResponse</i> <i>fault: getManagedElementsIteratorException</i>	Retrieves the iterator for managed element-related APIs.  Note: The default batch size is 10; the maximum size is 50.
ME	<i>operation: getAllManagedElementPassingFilter</i> <i>input: getAllManagedElementsPassingFilterRequest</i> <i>output: getAllManagedElementsPassingFilterResponse</i> <i>fault: getAllManagedElementsPassingFilterException</i>	Retrieves all managed elements based on the input request filter. Supported filter types: <ul style="list-style-type: none"> <li>• location</li> <li>• manufacture</li> <li>• product name</li> <li>• resourceState</li> </ul>
ME Name	<i>operation: getAllManagedElementNamesTS</i> <i>input: getAllManagedElementsTSRequest</i> <i>output: getAllManagedElementsTSResponse</i> <i>fault: getAllManagedElementsTSException</i>	Retrieves a list of all managed element names whose configuration changed since the specified timestamp. If no timestamp is specified, all managed element names are returned, regardless of whether the configuration changed.
ME Name	<i>operation: getAllManagedElementNames</i> <i>input: getAllManagedElementsRequest</i> <i>output: getAllManagedElementsResponse</i> <i>fault: getAllManagedElementsException</i>	Retrieves a list of all managed element names.
ME Name	<i>operation: getAllManagedElementNamesIterator</i> <i>input: getAllManagedElementsIteratorRequest</i> <i>output: getAllManagedElementsIteratorResponse</i> <i>fault: getAllManagedElementsIteratorException</i>	Retrieves the iterator for the getAllManagedElementNames API.
ME	<i>operation: getManagedElement</i> <i>input: getManagedElementRequest</i> <i>output: getManagedElementResponse</i> <i>fault: getManagedElementException</i>	Retrieves a named managed element. Upon success of the operation, a managed element instance is returned.
EH, EQ, Compute Server	<i>operation: getAllEquipment</i> <i>input: getAllEquipmentRequest</i> <i>output: getAllEquipmentResponse</i> <i>fault: getAllEquipmentException</i>	Retrieves an entire equipment hierarchy under a managed element. When this operation succeeds, a list of of equipment and equipment holders is returned.
EH, EQ, Compute Server	<i>operation: getContainedEquipment</i> <i>input: getContainedEquipmentRequest</i> <i>output: getContainedEquipmentResponse</i> <i>fault: getContainedEquipmentException</i>	Retrieves a list of next-level equipment holders and equipment contained by the named equipment holder. When this operation succeeds, a list of of equipment holders and equipment is returned.
EH, EQ, Compute Server	<i>operation: getEquipmentIterator</i> <i>input: getEquipmentIteratorRequest</i> <i>output: getEquipmentIteratorResponse</i> <i>fault: getEquipmentIteratorException</i>	Retrieves the iterator for equipment-related APIs.  Note: The default batch size is 10; the maximum size is 50.

EH, EQ for Remote Equipment	<i>operation: getAllRemoteEquipmentByPTP</i> <i>input: getAllRemoteEquipmentByPTPRequest</i> <i>output: getAllRemoteEquipmentByPTPResponse</i> <i>fault: getAllRemoteEquipmentByPTPEXception</i>	Given a named PTP, retrieve a list of remote equipment holders and equipment associated with the PTP
PTP	<i>operation: getAllSupportedPhysicalTerminationPoints</i> <i>input: getAllSupportedPhysicalTerminationPointsRequest</i> <i>output: getAllSupportedPhysicalTerminationPointsResponse</i> <i>fault: getAllSupportedPhysicalTerminationPointsException</i>	Retrieves a list of physical termination points (PTPs) for the named equipment; for example, a list of RDNs that specify the containing equipment: MD/ME/EH/[EH/EH]/EQ.
PTP	<i>operation: getTerminationPoint</i> <i>input: getTerminationPointRequest</i> <i>output: getTerminationPointResponse</i> <i>fault: getTerminationPointException</i>	Retrieves a named PTP.
Notification	<i>subscribe</i>	Enables clients to subscribe to web service notifications. A unique subscription identifier is returned, which is useful if the client decides to unsubscribe.  Note: It must uniquely identify the request signature by its three elements: consumerEPR and topic  Supported Topic: INVENTORY_NOTIFICATIONS ConsumerEPR: <server IP>:<port #>, ex. 10.105.39.190:9201
Notification	<i>unsubscribe</i>	Enables clients to unsubscribe from a notification channel.  Note: The response is an empty payload. Failure should be handled as an exception.

## Ethernet Virtual Connection Resource Inventory

Prime Central supports the following Ethernet Virtual Connection Resource Inventory APIs. Extensions are introduced to support Cisco Prime implementations. For detailed definitions of the APIs and their corresponding data types, see the following files:

- ManagedResourceInventory/FlowDomainFragmentRetrieval.wsdl
- ManagedResourceInventory/FlowDomainFragmentRetrieval.xsd
- NetworkResourcesBasic/IIS/xsd/LayerRates.xsd
- NetworkResourcesBasic/IIS/xsd/Cisco\_CE\_LayeredParam.xsd

### WSDL Endpoint:

- <https://<server IP>:<port #>/prime/inventory/FlowDomainRetrievalRPC?wsdl>
  - server IP - Prime Central server IP
  - port # - configurable, ex 9110

The following table lists the APIs to retrieve Ethernet Virtual Connections (EVCs). Supported service topologies are point-to-point, multipoint-to-multipoint, and point-to-multipoint (E-Tree).

Object Type	API	Function
Ethernet PW/EVC	<i>operation: getFlowDomainFragment</i> <i>input: getFlowDomainFragmentRequest</i> <i>output: getFlowDomainFragmentResponse</i> <i>fault: getFlowDomainFragmentException</i>	Retrieves a list of: <ul style="list-style-type: none"> <li>• Flow domain fragment entities</li> <li>• CTP entities</li> <li>• Matrix flow domain fragments</li> </ul> When this operation succeeds, it returns EVC, service parameters, EFP and its parameters, and forwarding references.
Ethernet PW/EVC	<i>operation: getFlowDomainFragmentRoute</i> <i>input: getFlowDomainFragmentRouteRequest</i> <i>output: getFlowDomainFragmentRouteResponse</i> <i>fault: getFlowDomainFragmentRouteException</i>	Retrieves the flow domain fragment routes. When this operation succeeds, it returns EoMPLS forwarding entities, including Ethernet pseudowire edge instances, cross-connects, and VFI, when applicable.

Ethernet PW/EVC Name	<i>operation: getAllFlowDomainFragmentNames</i> <i>input: getFlowDomainFragmentNameRequest</i> <i>output: getFlowDomainFragmentNameResponse</i> <i>fault: getFlowDomainFragmentNameException</i>	Retrieves the names of all managed flow domain fragments. When this operation succeeds, it returns all Ethernet connection names.
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## Data Center Resource Inventory

Prime Central supports the following resource inventory APIs. For detailed definitions of the APIs and their corresponding data types, see the following files:

- ManagedResourceInventory/ResourceInventoryRetrieval/ResourceInventoryRetrievalHttp.wsdl
- ManageResourceInventory/xsd/ResourceInventoryRetrievalMessages.xsd
- NetworkResourceFulfillment/IIS/xsd/ResourceInventoryLayout.xsd
- NetworkResourceFulfillment/IIS/xsd/Cisco\_DC.xsd
- NetworkResourceFulfillment/IIS/xsd/Cisco\_V\_Host.xsd
- NetworkResourceFulfillment/IIS/xsd/Cisco\_V\_HostCluster.xsd
- NetworkResourceFulfillment/IIS/xsd/Cisco\_VM.xsd
- NetworkResourceFulfillment/IIS/xsd/Cisco\_V\_Store.xsd

### WSDL Endpoint:

1. [https://<server IP>:<port #>/prime/inventory/ResourceInventoryRetrieval\\_RPC?wsdl](https://<server IP>:<port #>/prime/inventory/ResourceInventoryRetrieval_RPC?wsdl)
  - a. server IP - Prime Central server IP
  - b. port # - configurable, ex 9110

The following table lists the APIs for the retrieval of data center managed resource objects.

Object Type	API	Function
Cisco_DC	<i>operation: getInventory</i> <i>input: getInventoryRequest</i> <i>output: getInventoryResponse</i> <i>fault: getInventoryException</i>  <i>getInventoryRequest -</i> <i>RDN - MD=Cisco_PRIME</i> <i>IncludedObject.objectType=Cisco_DC</i> <i>IncludedObject.granularityType=FULL</i>	Retrieves a named Cisco virtual data center object. When this operation succeeds, it returns the Cisco_DC object under PRIME_Cisco.
Cisco_DC Name	<i>operation: getInventory</i> <i>input: getInventoryRequest</i> <i>output: getInventoryResponse</i> <i>fault: getInventoryExceptiongetInventory</i>  <i>Request - RDN - MD=Cisco_PRIME</i> <i>IncludedObject.objectType=Cisco_DC</i> <i>IncludedObject.granularityType=NAME</i>	Retrieves a list of Cisco virtual data center object names. When this operation succeeds, it returns a list of Cisco_DC object names under PRIME_Cisco.
Cisco_V_Host Name	<i>operation: getInventory</i> <i>input: getInventoryRequest</i> <i>output: getInventoryResponse</i> <i>fault: getInventoryException</i>  <i>getInventoryRequest -</i> <i>RDN: MD=Cisco_PRIME/Cisco_DC=&lt; DC name</i> <i>&gt;</i> <i>IncludedObject.objectType=Cisco_V_Host</i> <i>IncludedObject.granularityType=NAME</i>	Retrieves a list of host relative names (RDNs). When this operation succeeds, it returns the host relative name list under a Cisco_V_Host object.
Cisco_V_Host	<i>operation: getInventory</i> <i>input: getInventoryRequest</i> <i>output: getInventoryResponse</i> <i>fault: getInventoryExceptionget</i> <i>InventoryRequest -</i> <i>RDN: MD=Cisco_PRIME/Cisco_DC=&lt; DC name</i> <i>&gt;</i> <i>IncludedObject.objectType=Cisco_V_Host</i> <i>IncludedObject.granularityType=NAME</i>	Retrieves a named host object. When this operation succeeds, it returns a host object under a Cisco data center.

<p>Cisco_V_HostCluster Name</p>	<p><i>operation: getInventory</i> <i>input: getInventoryRequest</i> <i>output: getInventoryResponse</i> <i>fault: getInventoryException</i></p> <p><i>getInventoryRequest -</i> <i>RDN: MD=Cisco_PRIME/Cisco_DC=&lt; DC name</i> <i>&gt;</i> <i>IncludedObject.objectType=Cisco_V_HostCluster</i> <i>IncludedObject.granularityType=NAME</i></p>	<p>Retrieves a list of Cisco_V_HostCluster relative names (RDNs). When this operation succeeds, it returns Cisco_V_Host names under a Cisco_DC.</p>
<p>Cisco_V_HostCluster</p>	<p><i>operation: getInventory</i> <i>input: getInventoryRequest</i> <i>output: getInventoryResponse</i> <i>fault: getInventoryException</i></p> <p><i>getInventoryRequest -</i> <i>RDN: MD=Cisco_PRIME/Cisco_DC=&lt; DC</i> <i>name&gt;</i> <i>IncludedObject.objectType=Cisco_V_HostCluster</i> <i>IncludedObject.granularityType=FULL</i></p>	<p>Retrieves a named host cluster object. When this operation succeeds, it returns a host cluster object under a Cisco data center.</p>
<p>Cisco_VM Name</p>	<p><i>operation: getInventory</i> <i>input: getInventoryRequest</i> <i>output: getInventoryResponse</i> <i>fault: getInventoryException</i></p> <p><i>getInventoryRequest -</i> <i>RDN: MD=Cisco_PRIME/Cisco_DC=&lt; DC name</i> <i>&gt;</i> <i>IncludedObject.objectType=Cisco_VM</i> <i>IncludedObject.granularityType=NAME</i></p>	<p>Retrieves a list of Cisco_VM relative names (RDNs). When this operation succeeds, it returns Cisco_VM relative names under a Cisco_DC.</p>
<p>Cisco_VM</p>	<p><i>operation: getInventory</i> <i>input: getInventoryRequest</i> <i>output: getInventoryResponse</i> <i>fault: getInventoryException</i></p> <p><i>getInventoryRequest -</i> <i>RDN: MD=Cisco_PRIME/Cisco_DC=&lt; DC</i> <i>name&gt;</i> <i>IncludedObject.objectType=Cisco_VM</i> <i>IncludedObject.granularityType=FULL</i></p>	<p>Retrieves a named VM object. When this operation succeeds, it returns a VM object under a Cisco data center.</p>
<p>Cisco_V_Store Name</p>	<p><i>operation: getInventory</i> <i>input: getInventoryRequest</i> <i>output: getInventoryResponse</i> <i>fault: getInventoryException</i></p> <p><i>getInventoryRequest -</i> <i>RDN: MD=Cisco_PRIME/Cisco_DC=&lt; DC name</i> <i>&gt;</i> <i>IncludedObject.objectType=Cisco_V_Store</i> <i>IncludedObject.granularityType=NAME</i></p>	<p>Retrieves a list of Cisco_V_Store relative names (RDNs). When this operation succeeds, it returns Cisco_V_Store relative names under a Cisco_DC.</p>
<p>Cisco_V_Store</p>	<p><i>operation: getInventory</i> <i>input: getInventoryRequest</i> <i>output: getInventoryResponse</i> <i>fault: getInventoryException</i></p> <p><i>getInventoryRequest -</i> <i>RDN: MD=Cisco_PRIME/Cisco_DC=&lt; DC name</i> <i>&gt;</i> <i>IncludedObject.objectType=Cisco_V_Store</i> <i>IncludedObject.granularityType=FULL</i></p>	<p>Retrieves a named data store object. When this operation succeeds, it returns a data store object under a Cisco data center.</p>
<p>Data Center Resource Object Retrieval Iterator</p>	<p><i>operation: getInventoryIterator</i> <i>input: getInventoryIteratorRequest</i> <i>output: getInventoryIteratorResponse</i></p>	<p>Retrieves iterator references for the following object types:</p> <ul style="list-style-type: none"> <li>• Cisco_DC and Cisco_DC Name</li> <li>• Cisco_Host and Cisco_Host Name</li> <li>• Cisco_HostCluster and Cisco_HostCluster Name</li> <li>• Cisco_VM and Cisco_VM Name</li> <li>• Cisco_DataStore and Cisco_DataStore Name</li> </ul>

# MPLS VPN Resource Inventory

Prime Central supports the following MPLS VPN Resource Inventory APIs, which are based on the MTOSI 2.0 subnetwork connection retrieval package. Extensions are introduced to support Cisco Prime implementations. For detailed definitions of the APIs and their corresponding data types, see the following files:

- ManagedResourceInventory/ConnectionRetrieval/ConnectionRetrieval.wsdl
- ManagedResourceInventory/ConnectionRetrievalMessage.xsd
- ManageResourceInventory/xsd/ResourceInventoryRetrievalMessages.xsd
- NetworkResourceFulfillment/IIS/xsd/ResourceInventoryLayout.xsd
- NetworkResourcesBasic/IIS/xsd/Cisco\_MPLS\_VPN\_LayeredParam.xsd

## SOAP Endpoints:

1. [https://<server IP>:<port #>/prime/inventory/ResourceInventoryRetrieval\\_RPC?wsdl](https://<server IP>:<port #>/prime/inventory/ResourceInventoryRetrieval_RPC?wsdl)
  - a. server IP - Prime Central server IP
  - b. port # - configurable, ex 9110
2. <https://<server IP>:<port #>/prime/inventory/ConnectionRetrievalRPC?wsdl>
  - a. server IP - Prime Central server IP
  - b. port - configurable, ex 9110

The following table lists the MPLS VPN retrieval APIs.

Object Type	API	Function
VPN names	<p><i>operation: getInventory</i>  <i>input: getInventoryRequest</i>  <i>output: getInventoryResponse</i>  <i>fault: getInventoryException</i></p> <p>getInventoryRequest -  MD=Cisco_PRIME  MLSN=Cisco_PRIME_Network  IncludedObject.objectType=SNC  IncludedObject.granularityType=NAME</p> <p>Defined by soap endpoint 1</p>	Retrieves a list of subnetwork connection names. When this operation succeeds, it returns VPN names under the MD=Cisco_PRIME Domain.
VPN - connection	<p><i>operation: getSubnetworkConnection</i>  <i>input: getSubnetworkConnectionRequest</i>  <i>output: getSubnetworkConnectionResponse</i>  <i>fault: getSubnetworkConnectionException</i></p> <p>getSubnetworkConnection Request -  MD=Cisco_PRIME  MLSN=Cisco_PRIME_Network  IncludedObject.objectType=SNC  IncludedObject.granularityType=NAME</p> <p>Defined by soap endpoint 2</p>	Retrieves a list of subnetwork connection entities, CTP entities, and virtual route references. When this operation succeeds, it returns a list of VPN instances, VPN parameters, CTPs, CTP parameters, and route references.
VRF - route	<p><i>operation: getRoute</i>  <i>input: getRouteRequest</i>  <i>output: getRouteResponse</i>  <i>fault: getRouteException</i></p> <p>getRoute Request -  MD=Cisco_PRIME  MLSN=Cisco_PRIME_Network  IncludedObject.objectType=SNC  IncludedObject.granularityType=FULL</p> <p>Defined by soap endpoint 2</p>	Retrieves the connection associated routes and CTP references. When this operation succeeds, it returns VRF instances, VRF parameters, and CTP references.

# Customer and Service Management

Prime Central supports the following APIs for customer management and data center service activation and retrieval. For detailed definitions of the APIs and their corresponding data types, see the following files:

- Service Activation and Retrieval
  - ServiceActivation/IIS/wsd/ServiceActivationInterface/ServiceActivationInterfaceHttp.wsd
  - ServiceActivation/IIS/xsd/ServiceActivationInterfaceMessages.xsd
  - ManageServiceInventory/IIS/wsd/ServiceInventoryRetrieval/ServiceInventoryRetrievalHttp.wsd
  - ManageServiceInventory/IIS/xsd/ServiceInventoryRetrievalMessages.xsd
  - ServiceBasic/IIS/xsd/Service.xsd
  - ServiceBasic/IIS/xsd/Cisco\_SVC.xsd
- Customer Management
  - ManageServiceInventory/IIS/wsd/CustomerProvision/CustomerProvisionHttp.wsd
  - ManageServiceInventory/IIS/xsd/CustomerProvisionMessages.xsd
  - ServiceBasic/IIS/xsd/Service.xsd

## WSDL Endpoints:

- <https://<host>:9110/nbi/ServiceActivationAPI?wsdl>
  - server IP - PRIME Central server I
  - port # - configurable, ex 9110
- <https://<host>:9110/nbi/ServiceRetrievalAPI?wsdl>
  - server IP - PRIME Central server IP
  - port # - configurable, ex 9110
- <https://<host>:9110/nbi/CustomerAPI?wsdl>
  - server IP - PRIME Central server IP
  - port # - configurable, ex 9110

The following table lists the APIs for customer management and service activation and retrieval.

Object Type	API	Function
Service	operation:Provision input:ProvisionRequest output:ProvisionResponse fault:provisionException	Creates a service instance by assigning a resource to a customer. When this operation succeeds, it returns a service instance reference and an acceptance set to True. When this operation fails, it returns an exception.
Service	operation:modify input:modifyRequest output:modifyResponse fault:modifyException	Modifies the lifecycle and priority of a service. When this operation succeeds, it returns a service instance reference and an acceptance set to True. When this operation fails, it returns an acceptance set to False.
Service	operation:Terminate input:TerminateRequest output:TerminateResponse fault:TerminateException	Terminates a service. When this operation succeeds, it returns an acceptance set to True. When this operation fails, it returns an exception.
Service	operation: getServiceInventory input: getServiceRequest output:getServiceResponse fault: getServiceException	Retrieves a list of service instances. When this operation succeeds, it returns a list of services. When this operation fails, it returns an exception.



Customer	operation:createCustomer input: createCustomerRequest output: createCustomerResponse fault: createCustomerException	Creates a customer instance. When this operation succeeds, it returns a customer reference and a success set to True. When this operation fails, it returns an exception.
Customer	operation:modifyCustomer input: modifyCustomerRequest output: modifyCustomerResponse fault: modifyCustomerException	Modifies the properties of a customer instance. When this operation succeeds, it returns a success set to True. When this operation fails, it returns an exception.
Customer	operation:deleteCustomer input: deleteCustomerRequest output: deleteCustomerResponse fault: deleteCustomerException	Deletes a customer instance. When this operation succeeds, it returns a success set to True. When this operation fails, it returns an exception.
Customer	operation:getCustomer input: getCustomerRequest output: getCustomerResponse fault: getCustomerException	Retrieves a specified customer. When this operation succeeds, it returns a customer object and a success set to True. When this operation fails, it returns an exception.
Customer	operation:getAllCustomerIDs input: getAllCustomerIDsRequest output: getAllCustomerIDsResponse fault: getAllCustomerIDsException	Retrieves a list of customer FDNs. When this operation succeeds, it returns customer FDNs and a success set to True. When this operation fails, it returns an exception.
Customer	operation:getAllCustomer input: getAllCustomerRequest output: getAllCustomerResponse fault: getAllCustomerException	Retrieves customer summary information, which consists of FDN, name, description, and status. When this operation succeeds, it returns a list of customer objects and a success set to True. When this operation fails, it returns an exception.

## Alarm Management

### AlarmMgmtAPI

Operations on this service can be used to acknowledge, deacknowledge, clear, and retire alarms, and add alarm notes. Operations are best effort. When the username is passed, the OS marks the alarm or TCA as being monitored by that user.

Endpoint URL: <https://<host>:9020/AlarmManagementAPI>

WSDL URL: <https://<host>:9020/AlarmManagementAPI?wsdl>

### Operations

Object	API	Description
AlarmId	<i>Operation:</i> acknowledgeAlarm <i>Input:</i> acknowledgeAlarmRequest <i>Output:</i> acknowledgeAlarmResponse	Acknowledges an alarm.



AlarmId	<i>Operation:</i> deAcknowledgeAlarm <i>Input:</i> deAcknowledgeAlarmRequest <i>Output:</i> deAcknowledgeAlarmResponse	Deacknowledges an alarm.
AlarmId	<i>Operation:</i> clearAlarm <i>Input:</i> clearRequest <i>Output:</i> clearResponse	Clears an alarm.
AlarmId	<i>Operation:</i> retireAlarm <i>Input:</i> retireAlarmRequest <i>Output:</i> retireAlarmResponse	Archives an alarm.
AlarmId	<i>Operation:</i> addNoteToAlarm <i>Input:</i> addNoteToAlarmRequest <i>Output:</i> addNoteToAlarmResponse	Adds a note to an alarm. (Other alarm operations also support adding an optional alarm note.)

## AlarmRetrievalAPI

Operations on this service can be used to retrieve subtending event information for a specific alarm.

Endpoint URL: <https://<host>:9020/AlarmRetrievalAPI>

WSDL URL: <https://<host>:9020/AlarmRetrievalAPI?wsdl>

### Operations

Object	API	Description
Subtending Events	<i>Operation:</i> getSubtendingEvents <i>Input:</i> getSubtendingEventsRequest <i>Output:</i> getSubtendingEventsResponse	Retrieves subtending events for an alarm.

## AlarmFmQueryAPI

Operations on this service can be used to perform queries such as get active alarm count, get active alarm IDs, and get active alarm details.

Endpoint URL: <https://<host>:9020/AlarmRetrievalQueryAPI>

WSDL URL: <https://<host>:9020/AlarmRetrievalQueryAPI?wsdl>

### Operations

Object	API	Description
Counts	<i>Operation:</i> getActiveAlarmCounts <i>Input:</i> getActiveAlarmCountsRequest <i>Output:</i> getActiveAlarmCountsResponse	Retrieves active alarm counts.
AlarmId	<i>Operation:</i> getActiveAlarmIds <i>Input:</i> getActiveAlarmIdsRequest <i>Output:</i> getActiveAlarmIdsResponse	Retrieves active alarm IDs.
AlarmDetail	<i>Operation:</i> getActiveAlarmDetail <i>Input:</i> getActiveAlarmDetailRequest <i>Output:</i> getActiveAlarmDetailResponse	Retrieves alarm details.

## Group Management

### GroupMgmtAPI

Operations on this service can be used to retrieve, edit, delete, list, and create groups.

Endpoint URL: https://<host>:8443/grouping/rest/

## Operations

Object	API	Description
PrimeGroup	<p><i>Operation:</i> getGroupById.json?id= <i>Input:</i> getGroupById.json?id=66098 <i>Output:</i> jsonResponse</p> <pre>{ "modelClass": "com.cisco.prime.portal.grouping.model.PrimeGroup",   "parentId": -1, "parentInstanceName": null, "havingParent": false,   "havingChild": true, "numOfMembers": 5, "numOfSubgroups": 4,   "numOfDirectMembers": 0, "numOfDirectSubgroups": 4, "instanceId": 64,   "instanceName": "User-Defined Dynamic",   "description": "Dynamic groups defined by users",   "dynamic": true, "membershipRules": ],   "sealed": false, "version": 0, "disabled": false, "readonly": true,   "associatedFeatures": null, "alarmBadging": false, "userDefined": false,   "associatedFeatureString": null, "featureDisableAction": "DISABLE" }</pre>	Retrieves a group.
OperationResult	<p><i>Operation:</i> updateGroup.json <i>Input:</i> updateGroup.json?id=66098 <i>Output:</i> jsonResponse</p> <pre>{ "modelClass":   "com.cisco.prime.portal.grouping   .PrimeGroupingService\$OperationResult",   "success": true, "message": "66098" }</pre>	Edits a group.
OperationResult	<p><i>Operation:</i> deleteGroup.json?id= <i>Input:</i> deleteGroup.json?id=66098 <i>Output:</i> jsonResponse</p> <pre>{ "modelClass":   "com.cisco.prime.portal.grouping   .PrimeGroupingService\$OperationResult",   "success": true, "message": "66098" }</pre>	Deletes a group.
jsonObject	<p><i>Operation:</i> getImmediateMembersWithPagination <i>Input:</i> getImmediateMembersWithPagination/66098/ <i>Output:</i> jsonResponse</p> <pre>[ { "modelClass":   "com.cisco.prime.portal.grouping.model.PrimeGroupMember",   "hjid": 572, "name": "ASR9K-AGG3",   "description": "Cisco IOS XR Software (Cisco ASR9K Series), Version   4.2.1[Default] Copyright (c) 2012 by Cisco Systems, Inc.",   "type": "ManagedElement" } ]</pre>	Lists the members of a group.

OperationResult	<p><i>Operation:</i> createGroup.json <i>Input:</i> jsonResponse</p> <pre>{ "parentId":64,"instanceName":"Test Group", "description":"Test Group","dynamic":true, "membershipRules":[ { "entityName": "com.cisco.prime.common.inventory.model.ComputeDataCenter", "aliasName":"ComputeDataCenter", "whereClause": "where ComputeDataCenter.administrativestate like '%Test%' " } ]}</pre> <p><i>Output:</i> jsonResponse</p> <pre>{ "modelClass": "com.cisco.prime.portal.grouping .PrimeGroupingService\$OperationResult", "success":true,"message":"66098" }</pre>	Creates a group.
-----------------	--	------------------

## CAS SSO Client API

### PrimeCasClient

#### com.cisco.prime.sso.client.PrimeCasClient

```
----public class PrimeCasClient extends java.lang.Object
```

The Prime CAS client allows a client (such as a thick client) to use login credentials to obtain a service ticket. The required `setCasBaseUrl()` method must be called once to set the correct HTTPS CAS URL (for all CAS operations).

Constructor Summary
PrimeCasClient() Constructs a new Prime CAS client.

Method Summary	
static PrimeCasClient	getInstance() Makes this class a singleton.
java.lang.String	getTicket(java.lang.String session, java.lang.String serviceURL) Allows a client to obtain a fresh service ticket.
java.lang.String	login(java.lang.String username, java.lang.String password) Allows a client to log into a CASTGC session.
void	logout(java.lang.String session) Allows a client to log out of a CASTGC session.
void	setCasBaseUrl(java.lang.String casBaseUrl) Sets a CAS base URL (https) for the Prime CAS client.
void	setHostnameVerifier(javax.net.ssl.HostnameVerifier userDefinedHostnameVerifier) Sets a custom HTTP hostname verifier for the Prime CAS client.
void	setIgnoreCertificates() Ignores SSL certificates for the Prime CAS client.
void	setSSLSocketFactory(javax.net.ssl.SSLSocketFactory userDefinedSocketFactory) Sets a custom SSL socket factory (https) for the Prime CAS client.

int	validateCredential(java.lang.String session, java.lang.String username, java.lang.String password) Validates a client's user credentials.
boolean	validateSession(java.lang.String session, boolean resetTimer) Allows a client to check the CAS session validation and reset the CAS session timeout, if needed.
SuiteSession	validateTicket(java.lang.String ticket, java.lang.String serviceURL) Allows a client to validate a ticket.

## PrimeClientService

### com.cisco.prime.sso.client.PrimeClientService

com.cisco.prime.sso.client.PrimeClientService

```
----public class PrimeClientService extends java.lang.Object
```

#### Constructor Summary

PrimeClientService(java.lang.String dmHome)  
Constructs a new Prime client service.

#### Method Summary

java.lang.String	get(java.lang.String url) HTTP get method. Login is required.
java.lang.String	getAllSubSystemInventory() Get all subsystems. Login is required.
java.lang.String	getCASInfo() Get CAS info. Login is required.
java.lang.String	getCasURL() Get CAS URL.
java.lang.String	getPortalHostName() Get portal hostname.
java.lang.String	getPortalPort() Get portal port.
java.lang.String	getSubSystemById(java.lang.String id) Get subsystems by ID. Login is required.
java.lang.String	getSubSystemByType(java.lang.String type) Get subsystems by type. Login is required.
java.lang.String	getSubSystemByUri(java.lang.String uri) Get subsystems by URI. Login is required.
java.lang.String	getSuiteAdminPwd() Get portal suite admin password.
boolean	login(java.lang.String username) Log in.
void	logout() Log out.

java.lang.String	post(java.lang.String url, org.apache.commons.httpclient.NameValuePair[] pairs)  HTTP post method. Login is required.
------------------	--

## SuiteInfo

### com.cisco.prime.sso.client.util Class SuiteInfo java.lang.Object

com.cisco.prime.sso.client.util.SuiteInfo

```
----public class SuiteInfo extends java.lang.Object
```

The SuiteInfo object uses JDBC to retrieve bootstrapping information such as the portal server hostname, port number, and CAS URL, all of which is necessary to set up the SSO login.

Field Summary	
static java.lang.String	DB_PROP_FILE
static java.lang.String	GET_CAS_URL
static java.lang.String	GET_CENTRAL_HOST_AND_PORT
static java.lang.String	GET_SUITEADMIN_PASSWD

Constructor Summary
SuiteInfo()

Method Summary	
static java.lang.String	getCASURL(java.lang.String DM_HOME)
static java.lang.String[]	getCentralHostandPort(java.lang.String DM_HOME)
static java.lang.String	getSuiteAdminPwd(java.lang.String DM_HOME)
static void	main(java.lang.String[] args)

## SuiteSession

### com.cisco.prime.sso.client Class SuiteSession java.lang.Object

com.cisco.prime.sso.client.SuiteSession

```
----public class SuiteSession extends java.lang.Object
```

Constructor Summary
SuiteSession()

Method Summary	
java.lang.String	getSessionID()
java.lang.String	getUserName()
void	setSessionID(java.lang.String sessionID)
void	setUserName(java.lang.String userName)

## 3GPP OSS Integration

The 3GPP standard provides APIs to integrate an EMS or NMS with an OSS. The 3GPP standard supports SOAP/XML, CORBA, and CMIP-based interfaces for the OSS to access the EMS and NMS.

The 3GPP standard can be extended to support vendor-specific attributes. The OSS client applications that integrate with the 3GPP OSS interface can perform network management functions as defined by the 3GPP Interface Reference Points (IRP) specification.

Full details of the 3GPP integration support are provided at [http://www.cisco.com/c/dam/en/us/td/docs/net\\_mgmt/prime/network/4-1/oss\\_integration/mtosi\\_3gpp/Prime\\_Network\\_OSS\\_Integration\\_Guide.pdf](http://www.cisco.com/c/dam/en/us/td/docs/net_mgmt/prime/network/4-1/oss_integration/mtosi_3gpp/Prime_Network_OSS_Integration_Guide.pdf)

## Appendix

### Managed Elements and Equipment Inventory - Request and Response Examples

#### ManagedElementRetrieval\_RPC

##### getAllManagedElements

##### RequestResponse-getAllManagedElements

Request - getAllManagedElements

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/mer/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:requestedBatchSize>3</v1:requestedBatchSize>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getAllManagedElementsRequest>
      <!--Optional: -->
      <v11:mdOrMlsnRef>
        <!--1 or more repetitions: -->
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>Cisco_PRIME</v12:value>
        </v12:rdn>
      </v11:mdOrMlsnRef>
    </v11:getAllManagedElementsRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

#### Response - getAllManagedElements

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns22="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns15="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrcki/v1"
      xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/mer/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <activityName>getAllManagedElements</activityName>
      <msgName>getAllManagedElementsResponse</msgName>
      <msgType>RESPONSE</msgType>
      <activityStatus>SUCCESS</activityStatus>
      <priority>HIGH - modified by Prime Central Inventory</priority>
      <communicationPattern>SimpleResponse</communicationPattern>
      <communicationStyle>RPC</communicationStyle>
      <requestedBatchSize>3</requestedBatchSize>
      <batchSequenceNumber>1</batchSequenceNumber>
      <batchSequenceEndOfReply>false</batchSequenceEndOfReply>
      <iteratorReferenceURI>
        http://primecentral.cisco.com?IteratorId=119f8818-e806-49f4-8c25-5f479de0d5f3
      </iteratorReferenceURI>
      <timestamp>2013-07-02T12:40:12.302-07:00</timestamp>
    </header>
  </soap:Header>

```



```
<soap:Body>
  <ns4:getAllManagedElementsResponse
    xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
    xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
    xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
    xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/mer/v1"
    xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
    xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
    xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
    xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
    xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
    xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
    xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
    xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
    xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
    xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
    xmlns:ns15="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
    xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
    xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
    xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
    xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
    xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
    xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
    xmlns:ns22="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1">
    <ns4:meList>
      <ns7:me>
        <ns5:name>
          <ns3:rdn>
            <ns3:type>MD</ns3:type>
            <ns3:value>CISCO_PRIME</ns3:value>
          </ns3:rdn>
          <ns3:rdn>
            <ns3:type>ME</ns3:type>
            <ns3:value>7609-DIST2</ns3:value>
          </ns3:rdn>
        </ns5:name>
        <ns5:discoveredName>7609-DIST2</ns5:discoveredName>
        <ns5:vendorExtensions>
          <ns23:Cisco_ME_Description
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            Cisco IOS Software, c7600rsp72043_rp Software
            (c7600rsp72043_rp-ADVENTERPRISEK9-M), Version 15.1(3)S2, RELEASE
            SOFTWARE (fc1) Technical Support: http://www.cisco.com/techsupport
            Copyright (c) 1986-2011 by Cisco Systems, Inc. Compiled Mon
            12-Dec-11 05:0
          </ns23:Cisco_ME_Description>
          <ns23:Cisco_ME_Hardware_Type
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            Router
          </ns23:Cisco_ME_Hardware_Type>
          <ns23:Cisco_ManagementIPAddress
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            172.20.109.19
          </ns23:Cisco_ManagementIPAddress>
          <ns23:Cisco_ME_Serial_Number
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            FOX1233GPB2
          </ns23:Cisco_ME_Serial_Number>
          <ns23:Cisco_ME_sysUpTime
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            Mon Jun 17 16:15:55 PDT 2013
          </ns23:Cisco_ME_sysUpTime>
          <ns23:Cisco_ME_Series
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            Cisco 7600 Series Routers
          </ns23:Cisco_ME_Series>
          <ns23:Cisco_ME_Operation_Mode
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            UNKNOWN
          </ns23:Cisco_ME_Operation_Mode>
        </ns5:vendorExtensions>
      </ns7:me>
    </ns4:meList>
  </ns4:getAllManagedElementsResponse>

```

```
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns7:manufacturer>Cisco</ns7:manufacturer>
<ns7:productName>Cisco 7609s</ns7:productName>
<ns7:softwareVersion>15.1(3)S2</ns7:softwareVersion>
<ns7:isInSyncState>true</ns7:isInSyncState>
<ns7:communicationState>CS_AVAILABLE</ns7:communicationState>
</ns7:me>
<ns7:me>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>ASR9K-AGG1</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:discoveredName>ASR9K-AGG1</ns5:discoveredName>
  <ns5:vendorExtensions>
    <ns23:Cisco_ME_Description
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Cisco IOS XR Software (Cisco ASR9K Series), Version
      4.2.1[Default] Copyright (c) 2012 by Cisco Systems, Inc.
    </ns23:Cisco_ME_Description>
    <ns23:Cisco_ME_Hardware_Type
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Router</ns23:Cisco_ME_Hardware_Type>
    <ns23:Cisco_ManagementIPAddress
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      172.20.109.14</ns23:Cisco_ManagementIPAddress>
    <ns23:Cisco_ME_Serial_Number
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      FOX1325G3PB</ns23:Cisco_ME_Serial_Number>
    <ns23:Cisco_ME_sysUpTime
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Sat Jun 08 12:55:45 PDT 2013</ns23:Cisco_ME_sysUpTime>
    <ns23:Cisco_ME_Series
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Cisco ASR 9000 Series Aggregation Services Routers
    </ns23:Cisco_ME_Series>
    <ns23:Cisco_ME_Operation_Mode
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      UNKNOWN</ns23:Cisco_ME_Operation_Mode>
    </ns5:vendorExtensions>
  <ns6:resourceState>WORKING</ns6:resourceState>
  <ns7:manufacturer>Cisco</ns7:manufacturer>
  <ns7:productName>Cisco ASR 9006</ns7:productName>
  <ns7:softwareVersion>4.2.1[Default]</ns7:softwareVersion>
  <ns7:isInSyncState>true</ns7:isInSyncState>
  <ns7:communicationState>CS_AVAILABLE</ns7:communicationState>
</ns7:me>
<ns7:me>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>ASR9K-AGG2</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:discoveredName>ASR9K-AGG2</ns5:discoveredName>
  <ns5:vendorExtensions>
    <ns23:Cisco_ME_Description
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Cisco IOS XR Software (Cisco ASR9K Series), Version
      4.2.1[Default] Copyright (c) 2012 by Cisco Systems, Inc.
```

```
</ns23:Cisco_ME_Description>
<ns23:Cisco_ME_Hardware_Type
  xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
  Router</ns23:Cisco_ME_Hardware_Type>
<ns23:Cisco_ManagementIPAddress
  xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
  172.20.109.15</ns23:Cisco_ManagementIPAddress>
<ns23:Cisco_ME_Serial_Number
  xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
  FOX1323G60K</ns23:Cisco_ME_Serial_Number>
<ns23:Cisco_ME_sysUpTime
  xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
  Mon Jun 24 07:41:55 PDT 2013</ns23:Cisco_ME_sysUpTime>
<ns23:Cisco_ME_Series
  xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
  Cisco ASR 9000 Series Aggregation Services Routers
</ns23:Cisco_ME_Series>
<ns23:Cisco_ME_Operation_Mode
  xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
  UNKNOWN</ns23:Cisco_ME_Operation_Mode>
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns7:manufacturer>Cisco</ns7:manufacturer>
<ns7:productName>Cisco ASR 9006</ns7:productName>
<ns7:softwareVersion>4.2.1[Default]</ns7:softwareVersion>
<ns7:isInSyncState>true</ns7:isInSyncState>
<ns7:communicationState>CS_AVAILABLE</ns7:communicationState>
</ns7:me>
</ns4:meList>
</ns4:getAllManagedElementsResponse>
```

```
</soap:Body>
</soap:Envelope>
```

## getManagedElementsIterator

### RequestResponse-getManagedElementsIterator

#### Request - getManagedElementsIterator

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/mer/v1">
  <soapenv:Header>
    <v1:header>
      <v1:iteratorReferenceURI>
        http://primecentral.cisco.com?IteratorId=119f8818-e806-49f4-8c25-5f479de0d5f3
      </v1:iteratorReferenceURI>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getManagedElementsIteratorRequest />
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getManagedElementsIterator

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns22="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns15="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
      xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/mer/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <activityName>getManagedElementsIterator</activityName>
      <msgName>getManagedElementsIteratorResponse</msgName>
      <msgType>RESPONSE</msgType>
      <activityStatus>SUCCESS</activityStatus>
      <priority>HIGH - modified by Prime Central Inventory</priority>
      <communicationPattern>SimpleResponse</communicationPattern>
      <communicationStyle>RPC</communicationStyle>
      <requestedBatchSize>3</requestedBatchSize>
      <batchSequenceNumber>2</batchSequenceNumber>
      <batchSequenceEndOfReply>false</batchSequenceEndOfReply>
      <iteratorReferenceURI>
        http://primecentral.cisco.com?IteratorId=119f8818-e806-49f4-8c25-5f479de0d5f3
      </iteratorReferenceURI>
    </header>
  </soap:Header>
  <soap:Body>
    <getManagedElementsIteratorResponse>
      <iteratorReferenceURI>
        http://primecentral.cisco.com?IteratorId=119f8818-e806-49f4-8c25-5f479de0d5f3
      </iteratorReferenceURI>
    </getManagedElementsIteratorResponse>
  </soap:Body>
</soap:Envelope>
```

```
<timestamp>2013-07-02T12:41:48.800-07:00</timestamp>
</header>
</soap:Header>
<soap:Body>
  <ns4:getManagedElementsIteratorResponse
    xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
    xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
    xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
    xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/mer/v1"
    xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
    xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
    xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
    xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
    xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
    xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
    xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
    xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
    xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
    xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
    xmlns:ns15="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
    xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
    xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
    xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
    xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
    xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
    xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
    xmlns:ns22="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1">
    <ns4:meList>
      <ns7:me>
        <ns5:name>
          <ns3:rdn>
            <ns3:type>MD</ns3:type>
            <ns3:value>CISCO_PRIME</ns3:value>
          </ns3:rdn>
          <ns3:rdn>
            <ns3:type>ME</ns3:type>
            <ns3:value>ASR9K-AGG3</ns3:value>
          </ns3:rdn>
        </ns5:name>
        <ns5:discoveredName>ASR9K-AGG3</ns5:discoveredName>
        <ns5:vendorExtensions>
          <ns23:Cisco_ME_Description
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            Cisco IOS XR Software (Cisco ASR9K Series), Version
            4.2.1[Default] Copyright (c) 2012 by Cisco Systems, Inc.</ns23:Cisco_ME_Description>
          <ns23:Cisco_ME_Hardware_Type
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            Router</ns23:Cisco_ME_Hardware_Type>
          <ns23:Cisco_ManagementIPAddress
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            172.20.109.16</ns23:Cisco_ManagementIPAddress>
          <ns23:Cisco_ME_Serial_Number
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            FOX1442H67B</ns23:Cisco_ME_Serial_Number>
          <ns23:Cisco_ME_sysUpTime
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            Fri Jun 14 02:47:28 PDT 2013</ns23:Cisco_ME_sysUpTime>
          <ns23:Cisco_ME_Series
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            Cisco ASR 9000 Series Aggregation Services Routers</ns23:Cisco_ME_Series>
          <ns23:Cisco_ME_Operation_Mode
            xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
            UNKNOWN</ns23:Cisco_ME_Operation_Mode>
          </ns5:vendorExtensions>
        <ns6:resourceState>WORKING</ns6:resourceState>
        <ns7:manufacturer>Cisco</ns7:manufacturer>
        <ns7:productName>Cisco ASR 9006</ns7:productName>
        <ns7:softwareVersion>4.2.1[Default]</ns7:softwareVersion>
        <ns7:isInSyncState>true</ns7:isInSyncState>
        <ns7:communicationState>CS_AVAILABLE</ns7:communicationState>
      </ns7:me>
    </ns4:meList>
  </ns4:getManagedElementsIteratorResponse>
</soap:Body>
</soap>
```

```
</ns7:me>
<ns7:me>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>ds-dev-3400-1</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:discoveredName>ds-dev-3400-1</ns5:discoveredName>
  <ns5:vendorExtensions>
    <ns23:Cisco_ME_Description
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Cisco IOS Software, ME340x Software
      (ME340x-METROACCESS-M), Version 12.2(25)SEG3, RELEASE SOFTWARE
      (fc2) Copyright (c) 1986-2007 by Cisco Systems, Inc. Compiled Wed
      25-Jul-07 18:50 by amvarma</ns23:Cisco_ME_Description>
    <ns23:Cisco_ME_Hardware_Type
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Eth-Switch</ns23:Cisco_ME_Hardware_Type>
    <ns23:Cisco_ManagementIPAddress
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      172.25.87.205</ns23:Cisco_ManagementIPAddress>
    <ns23:Cisco_ME_Serial_Number
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      FOC1139U1R1</ns23:Cisco_ME_Serial_Number>
    <ns23:Cisco_ME_sysUpTime
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Tue Apr 02 21:14:02 PDT 2013</ns23:Cisco_ME_sysUpTime>
    <ns23:Cisco_ME_Series
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Cisco ME 3400 Series Ethernet Access Switches</ns23:Cisco_ME_Series>
    <ns23:Cisco_ME_Operation_Mode
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      UNKNOWN</ns23:Cisco_ME_Operation_Mode>
  </ns5:vendorExtensions>
  <ns6:resourceState>NON_WORKING</ns6:resourceState>
  <ns7:manufacturer>Cisco</ns7:manufacturer>
  <ns7:productName>CISCO CATALYST 3400-24-TSA</ns7:productName>
  <ns7:softwareVersion>12.2(25)SEG3</ns7:softwareVersion>
  <ns7:isInSyncState>false</ns7:isInSyncState>
  <ns7:communicationState>CS_UNAVAILABLE</ns7:communicationState>
</ns7:me>
<ns7:me>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>i6-UCS</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:discoveredName>sjo-i6-fab-A</ns5:discoveredName>
  <ns5:vendorExtensions>
    <ns23:Cisco_ME_Description
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Cisco NX-OS(tm) ucs, Software (ucs-6100-k9-system),
      Version 5.0(3)N2(2.04a), RELEASE SOFTWARE Copyright (c) 2002-2012
      by Cisco Systems, Inc. Compiled 9/12/2012 8:00:00
    </ns23:Cisco_ME_Description>
    <ns23:Cisco_ME_Hardware_Type
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
      Server</ns23:Cisco_ME_Hardware_Type>
    <ns23:Cisco_ManagementIPAddress
      xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
```

```
172.23.217.2</ns23:Cisco_ManagementIPAddress>
<ns23:Cisco_ME_sysUpTime
  xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
  Sat Mar 02 14:56:24 PST 2013</ns23:Cisco_ME_sysUpTime>
<ns23:Cisco_ME_Series
  xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
  Cisco UCS 6100 Series Fabric Interconnects</ns23:Cisco_ME_Series>
<ns23:Cisco_ME_Operation_Mode
  xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
  UNKNOWN</ns23:Cisco_ME_Operation_Mode>
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns7:manufacturer>Cisco</ns7:manufacturer>
<ns7:productName>Cisco UCS 6120XP</ns7:productName>
<ns7:softwareVersion>5.0(3)N2(2.04a)</ns7:softwareVersion>
<ns7:isInSyncState>true</ns7:isInSyncState>
<ns7:communicationState>CS_AVAILABLE</ns7:communicationState>
</ns7:me>
</ns4:meList>
</ns4:getManagedElementsIteratorResponse>
```



```
</soap:Body>
</soap:Envelope>
```

## getAllManagedElementsPassingFilter

### RequestResponse-getAllManagedElementsPassingFilter

#### Request - getAllManagedElementsPassingFilter

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/mer/v1">
  <soapenv:Header>
    <v1:header />
  </soapenv:Header>
  <soapenv:Body>
    <v11:getAllManagedElementsPassingFilterRequest>
      <v11:filter>
        <v11:location>snmplocation</v11:location>
      </v11:filter>
    </v11:getAllManagedElementsPassingFilterRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getAllManagedElementsPassingFilter

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns21="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcp/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns15="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrvc/v1"
      xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cr/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/mer/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <activityName>getAllManagedElementsPassingFilter</activityName>
      <msgName>getAllManagedElementsPassingFilterResponse</msgName>
      <msgType>RESPONSE</msgType>
      <activityStatus>SUCCESS</activityStatus>
      <priority>HIGH - modified by Prime Central Inventory</priority>
      <communicationPattern>SimpleResponse</communicationPattern>
      <communicationStyle>RPC</communicationStyle>
      <timestamp>2013-06-14T21:19:36.252-07:00</timestamp>
    </header>
  </soap:Header>
  <soap:Body>
    <ns4:getAllManagedElementsPassingFilterResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
```

```
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/mer/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrct/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns15="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
xmlns:ns21="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/com/v1">
<ns4:meList>
  <ns7:me>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>Nexus5k</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:discoveredName>prime-dcdev-n5k1</ns5:discoveredName>
    <ns5:vendorExtensions>
      <ns23:Cisco_ME_Description
        xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
        Cisco NX-OS(tm) n5000, Software (n5000-uk9), Version
        4.1(3)N1(1), RELEASE SOFTWARE Copyright (c) 2002-2008 by Cisco
        Systems, Inc. Device Manager Version 4.2(1), Compiled 7/23/2009
        17:00:00</ns23:Cisco_ME_Description>
      <ns23:Cisco_ME_Hardware_Type
        xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
        Eth-Switch</ns23:Cisco_ME_Hardware_Type>
      <ns23:Cisco_ManagementIPAddress
        xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
        172.25.106.101</ns23:Cisco_ManagementIPAddress>
      <ns23:Cisco_ME_Serial_Number
        xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
        SSI14130AAJ</ns23:Cisco_ME_Serial_Number>
      <ns23:Cisco_ME_sysUpTime
        xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
        Wed Feb 06 09:36:56 PST 2013</ns23:Cisco_ME_sysUpTime>
      <ns23:Cisco_ME_Series
        xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
        Cisco Nexus 5000 Series Switches</ns23:Cisco_ME_Series>
      <ns23:Cisco_ME_Operation_Mode
        xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
        UNKNOWN</ns23:Cisco_ME_Operation_Mode>
    </ns5:vendorExtensions>
    <ns6:resourceState>WORKING</ns6:resourceState>
    <ns7:location>snmplocation</ns7:location>
    <ns7:manufacturer>Cisco</ns7:manufacturer>
    <ns7:productName>Cisco Nexus 5020 Switch</ns7:productName>
    <ns7:softwareVersion>4.1(3)N1(1)</ns7:softwareVersion>
    <ns7:isInSyncState>true</ns7:isInSyncState>
    <ns7:communicationState>CS_AVAILABLE</ns7:communicationState>
  </ns7:me>
</ns4:meList>
</ns4:getAllManagedElementsPassingFilterResponse>
```

```
</soap:Body>
</soap:Envelope>
```

## getManagedElement

### RequestResponse-getManagedElement

#### Request - getManagedElement

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/mer/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getManagedElementRequest>
      <!--Optional: -->
      <v11:meRef>
        <!--1 or more repetitions: -->
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>ME</v12:type>
          <v12:value>i6-ucs</v12:value>
        </v12:rdn>
      </v11:meRef>
    </v11:getManagedElementRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getManagedElement

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns21="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns15="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
      xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/mer/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <activityName>getManagedElement</activityName>
```

```
<msgName>getManagedElementResponse</msgName>
<msgType>RESPONSE</msgType>
<activityStatus>SUCCESS</activityStatus>
<priority>HIGH - modified by Prime Central Inventory</priority>
<communicationPattern>SimpleResponse</communicationPattern>
<communicationStyle>RPC</communicationStyle>
<timestamp>2013-06-14T21:12:32.903-07:00</timestamp>
</header>
</soap:Header>
<soap:Body>
  <ns4:getManagedElementResponse
    xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
    xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
    xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
    xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/mer/v1"
    xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
    xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
    xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
    xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
    xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
    xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
    xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
    xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
    xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
    xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
    xmlns:ns15="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
    xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
    xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
    xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
    xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
    xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
    xmlns:ns21="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
    xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/com/v1">
    <ns4:me>
      <ns5:name>
        <ns3:rdn>
          <ns3:type>MD</ns3:type>
          <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>ME</ns3:type>
          <ns3:value>i6-ucs</ns3:value>
        </ns3:rdn>
      </ns5:name>
      <ns5:discoveredName>i6-ucs</ns5:discoveredName>
      <ns5:vendorExtensions>
        <ns23:Cisco_ME_Description
          xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
          Cisco NX-OS(tm) ucs, Software (ucs-6100-k9-system),
          Version 5.0(3)N2(2.04a), RELEASE SOFTWARE Copyright (c) 2002-2012 by
          Cisco Systems, Inc. Compiled 9/12/2012 8:00:00</ns23:Cisco_ME_Description>
        <ns23:Cisco_ME_Hardware_Type
          xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
          Server</ns23:Cisco_ME_Hardware_Type>
        <ns23:Cisco_ManagementIPAddress
          xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
          172.23.217.2</ns23:Cisco_ManagementIPAddress>
        <ns23:Cisco_ME_sysUpTime
          xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
          Sat Mar 02 14:55:49 PST 2013</ns23:Cisco_ME_sysUpTime>
        <ns23:Cisco_ME_Series
          xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
          Cisco UCS 6100 Series Fabric Interconnects</ns23:Cisco_ME_Series>
        <ns23:Cisco_ME_Operation_Mode
          xmlns:ns23="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
          UNKNOWN</ns23:Cisco_ME_Operation_Mode>
      </ns5:vendorExtensions>
      <ns6:resourceState>WORKING</ns6:resourceState>
      <ns7:manufacturer>Cisco</ns7:manufacturer>
      <ns7:productName>Cisco UCS 6120XP</ns7:productName>
    </ns4:me>
  </ns4:getManagedElementResponse>
</soap:Body>
</soap:Envelope>
</root>
```

```
<ns7:softwareVersion>5.0(3)N2(2.04a)</ns7:softwareVersion>  
<ns7:isInSyncState>false</ns7:isInSyncState>  
<ns7:communicationState>CS_AVAILABLE</ns7:communicationState>  
</ns4:me>  
</ns4:getManagedElementResponse>
```

```
</soap:Body>  
</soap:Envelope>
```

## getAllManagedElementNames\_RPC

### getAllManagedElementNames

#### RequestResponse-getAllManagedElementNames

Request - getAllManagedElementNames

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"  
  xmlns:api="http://www.cisco.com/prime/mtosi/ext/me/api">  
  <soapenv:Header>  
    <v1:header>  
      <v1:requestedBatchSize>4</v1:requestedBatchSize>  
    </v1:header>  
  </soapenv:Header>  
  <soapenv:Body>  
    <api:getAllManagedElementNamesRequest>  
  </api:getAllManagedElementNamesRequest>  
  </soapenv:Body>  
</soapenv:Envelope>
```

Response - getAllManagedElementNames

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <ns2:header xmlns:ns8="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/sa/xsd/saiecpt/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns5="http://www.cisco.com/prime/mtosi/ext/me/data"
      xmlns:ns4="http://www.cisco.com/prime/mtosi/ext/me/api"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <ns2:activityName>getAllManagedElementNames</ns2:activityName>
      <ns2:msgName>getAllManagedElementNamesResponse</ns2:msgName>
      <ns2:msgType>RESPONSE</ns2:msgType>
      <ns2:activityStatus>SUCCESS</ns2:activityStatus>
      <ns2:priority>HIGH - modified by Prime Central Inventory
      </ns2:priority>
      <ns2:communicationPattern>SimpleResponse</ns2:communicationPattern>
      <ns2:communicationStyle>RPC</ns2:communicationStyle>
      <ns2:requestedBatchSize>4</ns2:requestedBatchSize>
      <ns2:batchSequenceNumber>1</ns2:batchSequenceNumber>
      <ns2:batchSequenceEndOfReply>>false</ns2:batchSequenceEndOfReply>
      <ns2:iteratorReferenceURI>
http://primecentral.cisco.com?IteratorId=0f40e238-d416-4432-a065-d98f387fe003
      </ns2:iteratorReferenceURI>
      <ns2:timestamp>2013-07-02T12:12:22.145-07:00</ns2:timestamp>
    </ns2:header>
  </soap:Header>
  <soap:Body>
    <ns4:getAllManagedElementNamesResponse
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns4="http://www.cisco.com/prime/mtosi/ext/me/api"
      xmlns:ns5="http://www.cisco.com/prime/mtosi/ext/me/data"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/sa/xsd/saiecpt/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
      <ns5:managedElementNames>7609-DIST2</ns5:managedElementNames>
      <ns5:managedElementNames>ASR9K-AGG1</ns5:managedElementNames>
      <ns5:managedElementNames>ASR9K-AGG3</ns5:managedElementNames>
      <ns5:managedElementNames>ASR9K-AGG2</ns5:managedElementNames>
    </ns4:getAllManagedElementNamesResponse>
  </soap:Body>
</soap:Envelope>

```

## getAllManagedElementNamesIterator

### RequestResponse-getAllManagedElementNamesIterator

Request - getAllManagedElementNamesIterator

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:api="http://www.cisco.com/prime/mtosi/ext/me/api">
  <soapenv:Header>
    <v1:header>
      <v1:iteratorReferenceURI>
http://primecentral.cisco.com?IteratorId=0f40e238-d416-4432-a065-d98f387fe003
      </v1:iteratorReferenceURI>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <api:getAllManagedElementNamesIteratorRequest />
  </soapenv:Body>
</soapenv:Envelope>

```

Response - getAllManagedElementNamesIterator



```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <ns2:header xmlns:ns8="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/sa/xsd/saiecept/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns5="http://www.cisco.com/prime/mtosi/ext/me/data"
      xmlns:ns4="http://www.cisco.com/prime/mtosi/ext/me/api"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <ns2:activityName>getAllManagedElementNamesIterator</ns2:activityName>
      <ns2:msgName>getAllManagedElementNamesIteratorResponse</ns2:msgName>
      <ns2:msgType>RESPONSE</ns2:msgType>
      <ns2:activityStatus>SUCCESS</ns2:activityStatus>
      <ns2:priority>HIGH - modified by Prime Central Inventory</ns2:priority>
      <ns2:communicationPattern>SimpleResponse</ns2:communicationPattern>
      <ns2:communicationStyle>RPC</ns2:communicationStyle>
      <ns2:requestedBatchSize>4</ns2:requestedBatchSize>
      <ns2:batchSequenceNumber>2</ns2:batchSequenceNumber>
      <ns2:batchSequenceEndOfReply>true</ns2:batchSequenceEndOfReply>
      <ns2:iteratorReferenceURI>
http://primecentral.cisco.com?IteratorId=0f40e238-d416-4432-a065-d98f387fe003
      </ns2:iteratorReferenceURI>
      <ns2:timestamp>2013-07-02T12:14:07.624-07:00</ns2:timestamp>
    </ns2:header>
  </soap:Header>
  <soap:Body>
    <ns4:getAllManagedElementNamesIteratorResponse
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns4="http://www.cisco.com/prime/mtosi/ext/me/api"
      xmlns:ns5="http://www.cisco.com/prime/mtosi/ext/me/data"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/sa/xsd/saiecept/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
      <ns5:managedElementNames>i6-vcenter-2</ns5:managedElementNames>
      <ns5:managedElementNames>i6-UCS</ns5:managedElementNames>
      <ns5:managedElementNames>ds-dev-3400-1</ns5:managedElementNames>
    </ns4:getAllManagedElementNamesIteratorResponse>
  </soap:Body>
</soap:Envelope>

```

## getAllManagedElementNamesTS\_RPC

## getAllManagedElementNamesTS

## RequestResponse-getAllManagedElementNamesTS

Request - getAllManagedElementNamesTS

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:api="http://www.cisco.com/prime/mtosi/ext/me/api">
  <soapenv:Header>
    <v1:header/>
  </soapenv:Header>
  <soapenv:Body>
    <api:getAllManagedElementNamesTSRequest>
      <filter>
        <timestamp>2013-06-14T20:42:57.210-07:00</timestamp>
      </filter>
    </api:getAllManagedElementNamesTSRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

Response - getAllManagedElementNamesTS

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <ns2:header xmlns:ns8="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns5="http://www.cisco.com/prime/mtosi/ext/me/data"
      xmlns:ns4="http://www.cisco.com/prime/mtosi/ext/me/api"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <ns2:activityName>getAllManagedElementNamesTS</ns2:activityName>
      <ns2:msgName>getAllManagedElementNamesTSResponse</ns2:msgName>
      <ns2:msgType>RESPONSE</ns2:msgType>
      <ns2:activityStatus>SUCCESS</ns2:activityStatus>
      <ns2:priority>HIGH - modified by Prime Central Inventory
      </ns2:priority>
      <ns2:communicationPattern>SimpleResponse</ns2:communicationPattern>
      <ns2:communicationStyle>RPC</ns2:communicationStyle>
      <ns2:timestamp>2013-06-14T20:42:57.210-07:00</ns2:timestamp>
    </ns2:header>
  </soap:Header>
  <soap:Body>
    <ns4:getAllManagedElementNamesTSResponse
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns4="http://www.cisco.com/prime/mtosi/ext/me/api"
      xmlns:ns5="http://www.cisco.com/prime/mtosi/ext/me/data"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
      <ns5:managedElementInfoList>
        <ns5:managedElementInfo>
          <ns5:name>i6-vcenter-2</ns5:name>
          <ns5:timestamp>2013-06-14T13:15:21-07:00</ns5:timestamp>
          <ns5:operation>UNKNOWN</ns5:operation>
        </ns5:managedElementInfo>
        <ns5:managedElementInfo>
          <ns5:name>Nexus5k</ns5:name>
          <ns5:timestamp>2013-06-14T17:56:16-07:00</ns5:timestamp>
          <ns5:operation>UNKNOWN</ns5:operation>
        </ns5:managedElementInfo>
        <ns5:managedElementInfo>
          <ns5:name>sanity-UCS</ns5:name>
          <ns5:timestamp>2013-06-14T17:56:28-07:00</ns5:timestamp>
          <ns5:operation>UNKNOWN</ns5:operation>
        </ns5:managedElementInfo>
        <ns5:managedElementInfo>
          <ns5:name>7600</ns5:name>
          <ns5:timestamp>2013-06-14T17:56:23-07:00</ns5:timestamp>
          <ns5:operation>UNKNOWN</ns5:operation>
        </ns5:managedElementInfo>
        <ns5:managedElementInfo>
          <ns5:name>i6-ucs</ns5:name>
          <ns5:timestamp>2013-06-14T20:37:45-07:00</ns5:timestamp>
          <ns5:operation>UNKNOWN</ns5:operation>
        </ns5:managedElementInfo>
        <ns5:managedElementInfo>
          <ns5:name>M6-65-124</ns5:name>
          <ns5:timestamp>2013-06-14T17:56:13-07:00</ns5:timestamp>
          <ns5:operation>UNKNOWN</ns5:operation>
        </ns5:managedElementInfo>
        <ns5:managedElementInfo>
          <ns5:name>vCenter</ns5:name>
          <ns5:timestamp>2013-06-14T16:14:49-07:00</ns5:timestamp>
          <ns5:operation>UNKNOWN</ns5:operation>
        </ns5:managedElementInfo>
        <ns5:managedElementInfo>
          <ns5:name>10.56.22.54</ns5:name>
        </ns5:managedElementInfo>
      </ns5:managedElementInfoList>
    </ns4:getAllManagedElementNamesTSResponse>
  </soap:Body>
</soap:Envelope>
```

```
<ns5:timestamp>2013-06-14T17:56:12-07:00</ns5:timestamp>  
<ns5:operation>UNKNOWN</ns5:operation>  
</ns5:managedElementInfo>  
</ns5:managedElementInfoList>  
</ns4:getAllManagedElementNamesTSResponse>
```

```
</soap:Body>
</soap:Envelope>
```

## EquipmentRetrieval\_RPC

### getAllEquipment

#### RequestResponse-getAllEquipment

##### Request - getAllEquipment

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getAllEquipmentRequest>
      <v11:meOrEhRef>
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>ME</v12:type>
          <v12:value>7600</v12:value>
        </v12:rdn>
      </v11:meOrEhRef>
    </v11:getAllEquipmentRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

##### Response - getAllEquipment

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns28="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saixcpt/v1"
      xmlns:ns26="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
      xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
      xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/eq-inv/v1"
      xmlns:ns22="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns11="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrct/v1"
      xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/Cisco_ComputeServer/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/eq/v1">
```

```
xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
<activityName>getAllEquipment</activityName>
<msgName>getAllEquipmentResponse</msgName>
<msgType>RESPONSE</msgType>
<activityStatus>SUCCESS</activityStatus>
<priority>HIGH - modified by Prime Central Inventory</priority>
<communicationPattern>SimpleResponse</communicationPattern>
<communicationStyle>RPC</communicationStyle>
<requestedBatchSize>10</requestedBatchSize>
<batchSequenceNumber>1</batchSequenceNumber>
<batchSequenceEndOfReply>false</batchSequenceEndOfReply>
<iteratorReferenceURI>
http://primecentral.cisco.com?IteratorId=d6032eab-ab61-4adc-9404-7da7314832b4
</iteratorReferenceURI>
<timestamp>2013-06-14T22:33:32.775-07:00</timestamp>
</header>
</soap:Header>
<soap:Body>
<ns4:getAllEquipmentResponse
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/Cisco_ComputeServer/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
xmlns:ns11="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns18="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns19="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns21="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns22="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/eq-inv/v1"
xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns26="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saiexcp/v1"
xmlns:ns28="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1">
<ns23:eoh>
<ns8:eh>
<ns5:name>
<ns3:rdn>
<ns3:type>MD</ns3:type>
<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>ME</ns3:type>
<ns3:value>7600</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EH</ns3:type>
<ns3:value>chassis</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:discoveredName>chassis</ns5:discoveredName>
<ns5:vendorExtensions>
```

```
<ns26:Cisco_EQH_Description>
Cisco 7600 4-slot Chassis System</ns26:Cisco_EQH_Description>
<ns26:Cisco_EQH_Serial_Number>FOX111505H4</ns26:Cisco_EQH_Serial_Number>
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns8:holderType>rack</ns8:holderType>
<ns8:holderState>UNKNOWN</ns8:holderState>
</ns8:eh>
</ns23:eoh>
<ns23:eoh>
<ns8:eh>
<ns5:name>
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<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>ME</ns3:type>
<ns3:value>7600</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EH</ns3:type>
<ns3:value>chassis</ns3:value>
</ns3:rdn>
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<ns3:type>EH</ns3:type>
<ns3:value>slot=Backplane</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:discoveredName>slot=Backplane</ns5:discoveredName>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns8:holderType>slot</ns8:holderType>
<ns5:name>
<ns3:rdn>
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<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>ME</ns3:type>
<ns3:value>7600</ns3:value>
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<ns3:rdn>
<ns3:type>EH</ns3:type>
<ns3:value>chassis</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EH</ns3:type>
<ns3:value>slot=Backplane</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EQ</ns3:type>
<ns3:value>Module</ns3:value>
</ns3:rdn>
</ns5:name>
<ns8:holderState>UNKNOWN</ns8:holderState>
</ns8:eh>
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<ns5:name>
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<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>ME</ns3:type>
<ns3:value>7600</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EH</ns3:type>
```

```
        <ns3:value>chassis</ns3:value>
    </ns3:rdn>
</ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>slot=Backplane</ns3:value>
</ns3:rdn>
</ns3:rdn>
    <ns3:type>EQ</ns3:type>
    <ns3:value>Module</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:vendorExtensions>
    <ns26:Cisco_EQ_Description>
        Cisco Systems Cisco 7600 4-slot backplane</ns26:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns7:resourceFulfillmentState>IN_SERVICE</ns7:resourceFulfillmentState>
<ns7:installedVersion>None</ns7:installedVersion>
<ns7:protectionRole>NA</ns7:protectionRole>
<ns7:protectionSchemeState>PSS_NONE</ns7:protectionSchemeState>
</ns7:eq>
</ns23:eoh>
<ns23:eoh>
<ns8:eh>
    <ns5:name>
        <ns3:rdn>
            <ns3:type>MD</ns3:type>
            <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>ME</ns3:type>
            <ns3:value>7600</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EH</ns3:type>
            <ns3:value>chassis</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EH</ns3:type>
            <ns3:value>slot=Backplane</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EQ</ns3:type>
            <ns3:value>Module</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EH</ns3:type>
            <ns3:value>slot=2</ns3:value>
        </ns3:rdn>
    </ns5:name>
<ns5:discoveredName>slot=2</ns5:discoveredName>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns8:holderType>slot</ns8:holderType>
<ns5:name>
    <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>7600</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Backplane</ns3:value>
    </ns3:rdn>
</ns3:rdn>
```



```
        <ns3:type>EQ</ns3:type>
        <ns3:value>Module</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=2</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>Module</ns3:value>
    </ns3:rdn>
</ns5:name>
<ns8:holderState>UNKNOWN</ns8:holderState>
</ns8:eh>
</ns23:eoh>
<ns23:eoh>
<ns7:eq>
    <ns5:name>
        <ns3:rdn>
            <ns3:type>MD</ns3:type>
            <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>ME</ns3:type>
            <ns3:value>7600</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EH</ns3:type>
            <ns3:value>chassis</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EH</ns3:type>
            <ns3:value>slot=Backplane</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EQ</ns3:type>
            <ns3:value>Module</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EH</ns3:type>
            <ns3:value>slot=2</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EQ</ns3:type>
            <ns3:value>Module</ns3:value>
        </ns3:rdn>
    </ns5:name>
    <ns5:vendorExtensions>
        <ns26:Cisco_EQ_Description>
            OSR-7600 Clock FRU 1</ns26:Cisco_EQ_Description>
        </ns5:vendorExtensions>
        <ns7:installedSerialNumber>NWG11140373</ns7:installedSerialNumber>
        <ns7:resourceFulfillmentState>SERV_NA</ns7:resourceFulfillmentState>
        <ns7:installedVersion>None</ns7:installedVersion>
        <ns7:protectionRole>NA</ns7:protectionRole>
        <ns7:protectionSchemeState>PSS_NONE</ns7:protectionSchemeState>
    </ns7:eq>
</ns23:eoh>
<ns23:eoh>
<ns8:eh>
    <ns5:name>
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            <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>ME</ns3:type>
            <ns3:value>7600</ns3:value>
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        <ns3:rdn>
```

```
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<ns3:value>chassis</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>slot=Backplane</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EQ</ns3:type>
  <ns3:value>Module</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>slot=3</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:discoveredName>slot=3</ns5:discoveredName>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns8:holderType>slot</ns8:holderType>
<ns5:name>
  <ns3:rdn>
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    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>ME</ns3:type>
    <ns3:value>7600</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>chassis</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>slot=Backplane</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EQ</ns3:type>
    <ns3:value>Module</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>slot=3</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EQ</ns3:type>
    <ns3:value>Module</ns3:value>
  </ns3:rdn>
</ns5:name>
<ns8:holderState>UNKNOWN</ns8:holderState>
</ns8:eh>
</ns23:eoh>
<ns23:eoh>
<ns7:eq>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>7600</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>chassis</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>slot=Backplane</ns3:value>
    </ns3:rdn>
  </ns5:name>

```

```
</ns3:rdn>
<ns3:rdn>
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  <ns3:value>Module</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>slot=3</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EQ</ns3:type>
  <ns3:value>Module</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:vendorExtensions>
  <ns26:Cisco_EQ_Description>OSR-7600 Clock FRU 2</ns26:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns7:installedSerialNumber>NWG11140373</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>SERV_NA</ns7:resourceFulfillmentState>
<ns7:installedVersion>None</ns7:installedVersion>
<ns7:protectionRole>NA</ns7:protectionRole>
<ns7:protectionSchemeState>PSS_NONE</ns7:protectionSchemeState>
</ns7:eq>
</ns23:eoh>
<ns23:eoh>
<ns8:eh>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>7600</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>chassis</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>slot=Fan 202</ns3:value>
    </ns3:rdn>
  </ns5:name>
<ns5:discoveredName>slot=Fan 202</ns5:discoveredName>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns8:holderType>slot</ns8:holderType>
<ns5:name>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>ME</ns3:type>
    <ns3:value>7600</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>chassis</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>slot=Fan 202</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EQ</ns3:type>
    <ns3:value>FanTray</ns3:value>
  </ns3:rdn>
</ns5:name>
<ns8:holderState>UNKNOWN</ns8:holderState>
```

```
</ns8:eh>
</ns23:eoh>
<ns23:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
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        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>7600</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 202</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:vendorExtensions>
      <ns26:Cisco_EQ_Description>Fans Container</ns26:Cisco_EQ_Description>
    </ns5:vendorExtensions>
    <ns7:resourceFulfillmentState>IN_SERVICE</ns7:resourceFulfillmentState>
    <ns7:protectionRole>NA</ns7:protectionRole>
    <ns7:protectionSchemeState>PSS_NONE</ns7:protectionSchemeState>
  </ns7:eq>
</ns23:eoh>
<ns23:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>7600</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 202</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 1</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:discoveredName>slot=Fan 1</ns5:discoveredName>
    <ns6:resourceState>WORKING</ns6:resourceState>
    <ns8:holderType>slot</ns8:holderType>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
```

```
<ns3:rdn>
  <ns3:type>ME</ns3:type>
  <ns3:value>7600</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>chassis</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>slot=Fan 202</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EQ</ns3:type>
  <ns3:value>FanTray</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>slot=Fan 1</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EQ</ns3:type>
  <ns3:value>FanTray</ns3:value>
</ns3:rdn>
</ns5:name>
<ns8:holderState>UNKNOWN</ns8:holderState>
</ns8:eh>
</ns23:eoh>
</ns4:getAllEquipmentResponse>
</soap:Body>
```

```
</soap:Envelope>
```

## getContainedEquipment

### RequestResponse-getContainedEquipment

#### Request - getContainedEquipment

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header />
  </soapenv:Header>
  <soapenv:Body>
    <v11:getContainedEquipmentRequest>
      <v11:ehRef>
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>ME</v12:type>
          <v12:value>Nexus5k</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>EH</v12:type>
          <v12:value>chassis=1</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>EH</v12:type>
          <v12:value>slot=Power 201</v12:value>
        </v12:rdn>
      </v11:ehRef>
    </v11:getContainedEquipmentRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getContainedEquipment

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns28="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
      xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
      xmlns:ns24="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/eq-inv/v1"
      xmlns:ns22="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns11="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
```

```
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrct/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/Cisco_ComputeServer/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cr/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
<activityName>getContainedEquipment</activityName>
<msgName>getContainedEquipmentResponse</msgName>
<msgType>RESPONSE</msgType>
<activityStatus>SUCCESS</activityStatus>
<priority>HIGH - modified by Prime Central Inventory</priority>
<communicationPattern>SimpleResponse</communicationPattern>
<communicationStyle>RPC</communicationStyle>
<timestamp>2013-06-16T00:02:12.954-07:00</timestamp>
</header>
</soap:Header>
<soap:Body>
<ns4:getContainedEquipmentResponse
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cr/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/Cisco_ComputeServer/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrct/v1"
xmlns:ns11="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns18="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns19="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns21="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns22="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/eq-inv/v1"
xmlns:ns24="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saiecpt/v1"
xmlns:ns28="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1">
<ns23:eoh>
<ns7:eq>
<ns5:name>
<ns3:rdn>
<ns3:type>MD</ns3:type>
<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>ME</ns3:type>
<ns3:value>Nexus5k</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EH</ns3:type>
<ns3:value>chassis=1</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EH</ns3:type>
<ns3:value>slot=Power 201</ns3:value>
</ns3:rdn>
<ns3:rdn>

```

```
        <ns3:type>EQ</ns3:type>
        <ns3:value>PowerSupply</ns3:value>
    </ns3:rdn>
</ns5:name>
<ns5:vendorExtensions>
    <ns24:Cisco_EQ_Description>powerSupply Container
    </ns24:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns7:resourceFulfillmentState>IN_SERVICE
</ns7:resourceFulfillmentState>
<ns7:protectionRole>UNKNOWN</ns7:protectionRole>
<ns7:protectionSchemeState>PSS_UNKNOWN</ns7:protectionSchemeState>
</ns7:eq>
</ns23:eoh>
</ns4:getContainedEquipmentResponse>
</soap:Body>
```



```
</soap:Envelope>
```

## getEquipmentIterator

### RequestResponse-getEquipmentIterator

#### Request - getEquipmentIterator

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/eir/v1">
  <soapenv:Header>
    <v1:header>
      <v1:iteratorReferenceURI>
        http://primecentral.cisco.com?IteratorId=a1747d94-e29b-4fda-b852-920143db9ac9
      </v1:iteratorReferenceURI>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getEquipmentIteratorRequest></v11:getEquipmentIteratorRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getEquipmentIterator

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns28="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
      xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
      xmlns:ns24="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/eq-inv/v1"
      xmlns:ns22="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns11="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
      xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/Cisco_ComputeServer/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <activityName>getEquipmentIterator</activityName>
      <msgName>getEquipmentIteratorResponse</msgName>
      <msgType>RESPONSE</msgType>
      <activityStatus>SUCCESS</activityStatus>
      <priority>HIGH - modified by Prime Central Inventory</priority>
      <communicationPattern>SimpleResponse</communicationPattern>
      <communicationStyle>RPC</communicationStyle>
```

```
<requestedBatchSize>10</requestedBatchSize>
<batchSequenceNumber>2</batchSequenceNumber>
<batchSequenceEndOfReply>false</batchSequenceEndOfReply>
<iteratorReferenceURI>
http://primecentral.cisco.com?IteratorId=a1747d94-e29b-4fda-b852-920143db9ac9
</iteratorReferenceURI>
<timestamp>2013-06-16T00:12:20.086-07:00</timestamp>
</header>
</soap:Header>
<soap:Body>
<ns4:getEquipmentIteratorResponse
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/Cisco_ComputeServer/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
xmlns:ns11="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns18="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns19="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns21="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns22="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/eq-inv/v1"
xmlns:ns24="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
xmlns:ns28="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1">
<ns23:eoh>
<ns7:eq>
<ns5:name>
<ns3:rdn>
<ns3:type>MD</ns3:type>
<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>ME</ns3:type>
<ns3:value>Nexus5k</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EH</ns3:type>
<ns3:value>chassis=1</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EH</ns3:type>
<ns3:value>slot=Fan 202</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EQ</ns3:type>
<ns3:value>FanTray</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EH</ns3:type>
<ns3:value>slot=Fan 4</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EQ</ns3:type>
<ns3:value>FanTray</ns3:value>
</ns3:rdn>
</ns7:eq>
</ns5:name>
</ns3:rdn>
</ns4:getEquipmentIteratorResponse>
</soap:Body>
</soap>
```

```
</ns5:name>
<ns5:vendorExtensions>
  <ns24:Cisco_EQ_Description>FanModule-4</ns24:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns7:resourceFulfillmentState>IN_SERVICE</ns7:resourceFulfillmentState>
<ns7:protectionRole>UNKNOWN</ns7:protectionRole>
<ns7:protectionSchemeState>PSS_UNKNOWN</ns7:protectionSchemeState>
</ns7:eq>
</ns23:eoh>
<ns23:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>Nexus5k</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis=1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 202</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 5</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:discoveredName>slot=Fan 5</ns5:discoveredName>
    <ns6:resourceState>WORKING</ns6:resourceState>
    <ns8:holderType>slot</ns8:holderType>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>Nexus5k</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis=1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 202</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 5</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
    </ns5:name>
```

```
<ns8:holderState>UNKNOWN</ns8:holderState>
</ns8:eh>
</ns23:eoh>
<ns23:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>Nexus5k</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis=1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 202</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 5</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:vendorExtensions>
      <ns24:Cisco_EQ_Description>FanModule-5</ns24:Cisco_EQ_Description>
    </ns5:vendorExtensions>
    <ns7:resourceFulfillmentState>IN_SERVICE</ns7:resourceFulfillmentState>
    <ns7:protectionRole>UNKNOWN</ns7:protectionRole>
    <ns7:protectionSchemeState>PSS_UNKNOWN</ns7:protectionSchemeState>
  </ns7:eq>
</ns23:eoh>
<ns23:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>Nexus5k</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis=1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 202</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 8</ns3:value>
      </ns3:rdn>
    </ns5:name>
  </ns8:eh>
</ns23:eoh>
</ns23:eoh>
```

```
</ns5:name>
<ns5:discoveredName>slot=Fan 8</ns5:discoveredName>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns8:holderType>slot</ns8:holderType>
<ns5:name>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>ME</ns3:type>
    <ns3:value>Nexus5k</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>chassis=1</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>slot=Fan 202</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EQ</ns3:type>
    <ns3:value>FanTray</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>slot=Fan 8</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EQ</ns3:type>
    <ns3:value>FanTray</ns3:value>
  </ns3:rdn>
</ns5:name>
<ns8:holderState>UNKNOWN</ns8:holderState>
</ns8:eh>
</ns23:eoh>
<ns23:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>Nexus5k</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis=1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 202</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 8</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:vendorExtensions>
```

```
<ns24:Cisco_EQ_Description>PowerSupply-2 Fan-1</ns24:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns7:installedSerialNumber>DTM140901RB</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>IN_SERVICE</ns7:resourceFulfillmentState>
<ns7:installedVersion>1.0</ns7:installedVersion>
<ns7:protectionRole>UNKNOWN</ns7:protectionRole>
<ns7:protectionSchemeState>PSS_UNKNOWN</ns7:protectionSchemeState>
</ns7:eq>
</ns23:eoh>
<ns23:eoh>
<ns8:eh>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>Nexus5k</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>chassis=1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>slot=Fan 202</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EQ</ns3:type>
      <ns3:value>FanTray</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>slot=Fan 9</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:discoveredName>slot=Fan 9</ns5:discoveredName>
  <ns6:resourceState>WORKING</ns6:resourceState>
  <ns8:holderType>slot</ns8:holderType>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>Nexus5k</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>chassis=1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>slot=Fan 202</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EQ</ns3:type>
      <ns3:value>FanTray</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>slot=Fan 9</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EQ</ns3:type>
      <ns3:value>FanTray</ns3:value>
    </ns3:rdn>
  </ns5:name>
```

```
<ns8:holderState>UNKNOWN</ns8:holderState>
</ns8:eh>
</ns23:eoh>
<ns23:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>Nexus5k</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis=1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 202</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Fan 9</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>FanTray</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:vendorExtensions>
      <ns24:Cisco_EQ_Description>PowerSupply-2 Fan-2</ns24:Cisco_EQ_Description>
    </ns5:vendorExtensions>
    <ns7:installedSerialNumber>DTM140901RB</ns7:installedSerialNumber>
    <ns7:resourceFulfillmentState>IN_SERVICE</ns7:resourceFulfillmentState>
    <ns7:installedVersion>1.0</ns7:installedVersion>
    <ns7:protectionRole>UNKNOWN</ns7:protectionRole>
    <ns7:protectionSchemeState>PSS_UNKNOWN</ns7:protectionSchemeState>
  </ns7:eq>
</ns23:eoh>
<ns23:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>Nexus5k</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis=1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Power 201</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:discoveredName>slot=Power 201</ns5:discoveredName>
    <ns6:resourceState>WORKING</ns6:resourceState>
    <ns8:holderType>slot</ns8:holderType>
    <ns5:name>
      <ns3:rdn>
```

```
<ns3:type>MD</ns3:type>
<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>ME</ns3:type>
  <ns3:value>Nexus5k</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>chassis=1</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>slot=Power 201</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EQ</ns3:type>
  <ns3:value>PowerSupply</ns3:value>
</ns3:rdn>
</ns5:name>
<ns8:holderState>UNKNOWN</ns8:holderState>
</ns8:eh>
</ns23:eoh>
<ns23:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>Nexus5k</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis=1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>slot=Power 201</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>PowerSupply</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:vendorExtensions>
      <ns24:Cisco_EQ_Description>powerSupply Container</ns24:Cisco_EQ_Description>
    </ns5:vendorExtensions>
    <ns7:resourceFulfillmentState>IN_SERVICE</ns7:resourceFulfillmentState>
    <ns7:protectionRole>UNKNOWN</ns7:protectionRole>
    <ns7:protectionSchemeState>PSS_UNKNOWN</ns7:protectionSchemeState>
  </ns7:eq>
</ns23:eoh>
<ns23:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>Nexus5k</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>chassis=1</ns3:value>
      </ns3:rdn>
    </ns5:name>
  </ns8:eh>
</ns23:eoh>
```



```
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>slot=Power 201</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EQ</ns3:type>
  <ns3:value>PowerSupply</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>slot=Power 2</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:discoveredName>slot=Power 2</ns5:discoveredName>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns8:holderType>slot</ns8:holderType>
<ns5:name>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>ME</ns3:type>
    <ns3:value>Nexus5k</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>chassis=1</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>slot=Power 201</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EQ</ns3:type>
    <ns3:value>PowerSupply</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>slot=Power 2</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EQ</ns3:type>
    <ns3:value>PowerSupply</ns3:value>
  </ns3:rdn>
</ns5:name>
<ns8:holderState>UNKNOWN</ns8:holderState>
</ns8:eh>
</ns23:eoh>
</ns4:getEquipmentIteratorResponse>
</soap:Body>
```

```
</soap:Envelope>
```

## getAllRemoteEquipmentByPTP

### RequestResponse-getAllRemoteEquipmentByPTP

#### Request - getAllRemoteEquipmentByPTP

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getAllRemoteEquipmentByPTPRequest>
      <!--Optional: -->
      <v11:ptpRef>
        <!--1 or more repetitions: -->
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>ME</v12:type>
          <v12:value>GPON</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>PTP</v12:type>
          <v12:value>/rack=chassis/slot=2/port=gpon2/1</v12:value>
        </v12:rdn>
      </v11:ptpRef>
    </v11:getAllRemoteEquipmentByPTPRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getAllRemoteEquipmentByPTP

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns28="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
      xmlns:ns27="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns26="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
      xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
      xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns22="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/eq-inv/v1"
      xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrct/v1">
```

```

xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/Cisco_ComputeServer/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
<activityName>getAllRemoteEquipmentByPTP</activityName>
<msgName>getAllRemoteEquipmentByPTPResponse</msgName>
<msgType>RESPONSE</msgType>
<activityStatus>SUCCESS</activityStatus>
<priority>HIGH - modified in NormalizeSoapMsg.processResponse</priority>
<communicationPattern>SimpleResponse</communicationPattern>
<communicationStyle>RPC</communicationStyle>
<timestamp>2013-10-15T19:12:43.628+05:30</timestamp>
</header>
</soap:Header>
<soap:Body>
<ns4:getAllRemoteEquipmentByPTPResponse
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/eir/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/Cisco_ComputeServer/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/eq-inv/v1"
xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns18="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns19="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns23="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns26="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
xmlns:ns27="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns28="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1">
<ns11:eoh>
<ns8:eh>
<ns5:name>
<ns3:rdn>
<ns3:type>HINTS</ns3:type>
<ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>MD</ns3:type>
<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>ME</ns3:type>
<ns3:value>OLT-RTP</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>EH</ns3:type>
<ns3:value>remote_unit=' '/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
1/5'</ns3:value>
</ns3:rdn>
</ns5:name>

```

```
<ns5:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>{[ManagedElement(Key=OLT-RTP)][PhysicalRoot]
[Chassis][Slot(SlotNum=2)][Module][Port(PortNumber=gpon2/1)]
[Gpon][ONT(ONTId=2/PON 1/5)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns5:aliasNameList>
<ns8:holderType>remote_unit</ns8:holderType>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit=""/>rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
1/5'"</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>2/PON 1/5</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:userLabel>ONT 2.1.5</ns5:userLabel>
    <ns5:discoveredName>2/PON 1/5</ns5:discoveredName>
    <ns5:aliasNameList>
      <ns2:alias>
        <ns2:aliasName>net://net:1</ns2:aliasName>
        <ns2:aliasValue>{[ManagedElement(Key=OLT-RTP)][PhysicalRoot]
[Chassis][Slot(SlotNum=2)][Module]
[Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/5)]}
        </ns2:aliasValue>
      </ns2:alias>
    </ns5:aliasNameList>
    <ns5:vendorExtensions>
      <ns26:Cisco_EQ_Description>ONT 2.1.5 Residential 1:1 PPPoE 19:
      </ns26:Cisco_EQ_Description>
    </ns5:vendorExtensions>
    <ns6:resourceState>WORKING</ns6:resourceState>
    <ns7:installedEquipmentObjectType>Cisco_GPON_ONU
    </ns7:installedEquipmentObjectType>
    <ns7:installedSerialNumber>5054494E1CCB8568
    </ns7:installedSerialNumber>
    <ns7:resourceFulfillmentState>OUT_OF_SERVICE
    </ns7:resourceFulfillmentState>
    <ns7:installedVersion>ONT4GE2FXS0002</ns7:installedVersion>
  </ns7:eq>
</ns11:eoh>
<ns11:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
```

```
<ns3:type>MD</ns3:type>
<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>ME</ns3:type>
  <ns3:value>OLT-RTP</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
    1/32'"</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>{[ManagedElement(Key=OLT-RTP)][PhysicalRoot]
      [Chassis][Slot(SlotNum=2)]
        [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/32)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns5:aliasNameList>
<ns8:holderType>remote_unit</ns8:holderType>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
          1/32'"</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>2/PON 1/32</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:userLabel>ONU 2.1.32</ns5:userLabel>
    <ns5:discoveredName>2/PON 1/32</ns5:discoveredName>
    <ns5:aliasNameList>
      <ns2:alias>
        <ns2:aliasName>net://net:1</ns2:aliasName>
        <ns2:aliasValue>{[ManagedElement(Key=OLT-RTP)][PhysicalRoot]
          [Chassis][Slot(SlotNum=2)][Module]
            [Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/32)]}
        </ns2:aliasValue>
      </ns2:alias>
    </ns5:aliasNameList>
    <ns5:vendorExtensions>
      <ns26:Cisco_EQ_Description>ONU 2.1.32</ns26:Cisco_EQ_Description>
    </ns5:vendorExtensions>
    <ns6:resourceState>WORKING</ns6:resourceState>
    <ns7:installedEquipmentObjectType>Cisco_GPON_ONU
  </ns7:installedEquipmentObjectType>
  <ns7:installedSerialNumber>2222222222333655
</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>OUT_OF_SERVICE
```

```
</ns7:resourceFulfillmentState>
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
          1/6'"</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:aliasNameList>
      <ns2:alias>
        <ns2:aliasName>net://net:1</ns2:aliasName>
        <ns2:aliasValue>{ [ManagedElement (Key=OLT-RTP)] [PhysicalRoot]
          [Chassis] [Slot (SlotNum=2)] [Module]
            [Port (PortNumber=gpon2/1)] [Gpon] [ONT (ONTId=2/PON 1/6)] }
        </ns2:aliasValue>
      </ns2:alias>
    </ns5:aliasNameList>
    <ns8:holderType>remote_unit</ns8:holderType>
  </ns8:eh>
</ns11:eoh>
<ns11:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
          1/6'"</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>2/PON 1/6</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:userLabel>ONU 2.1.6</ns5:userLabel>
    <ns5:discoveredName>2/PON 1/6</ns5:discoveredName>
    <ns5:aliasNameList>
      <ns2:alias>
        <ns2:aliasName>net://net:1</ns2:aliasName>
        <ns2:aliasValue>{ [ManagedElement (Key=OLT-RTP)] [PhysicalRoot]
          [Chassis] [Slot (SlotNum=2)] [Module]
            [Port (PortNumber=gpon2/1)] [Gpon] [ONT (ONTId=2/PON 1/6)] }
        </ns2:aliasValue>
      </ns2:alias>
    </ns5:aliasNameList>
  </ns7:eq>
</ns11:eoh>
</ns7:resourceFulfillmentState>
```

```
    </ns2:alias>
  </ns5:aliasNameList>
  <ns5:vendorExtensions>
    <ns26:Cisco_EQ_Description>ONU 2.1.6</ns26:Cisco_EQ_Description>
  </ns5:vendorExtensions>
  <ns6:resourceState>WORKING</ns6:resourceState>
  <ns7:installedEquipmentObjectType>Cisco_GPON_ONU
</ns7:installedEquipmentObjectType>
  <ns7:installedSerialNumber>5054494E1CAD00E9
</ns7:installedSerialNumber>
  <ns7:resourceFulfillmentState>OUT_OF_SERVICE
</ns7:resourceFulfillmentState>
  <ns7:installedVersion>ONT4GE2FXS0006</ns7:installedVersion>
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
          1/8'"</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:aliasNameList>
      <ns2:alias>
        <ns2:aliasName>net://net:1</ns2:aliasName>
        <ns2:aliasValue>{ [ManagedElement(Key=OLT-RTP)] [PhysicalRoot]
          [Chassis] [Slot (SlotNum=2)] [Module]
            [Port (PortNumber=gpon2/1)] [Gpon] [ONT (ONTId=2/PON 1/8)] }
        </ns2:aliasValue>
      </ns2:alias>
    </ns5:aliasNameList>
    <ns8:holderType>remote_unit</ns8:holderType>
  </ns8:eh>
</ns11:eoh>
<ns11:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
          1/8'"</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
      </ns3:rdn>
    </ns5:name>
  </ns7:eq>
</ns11:eoh>
```

```

        <ns3:value>2/PON 1/8</ns3:value>
    </ns3:rdn>
</ns5:name>
<ns5:userLabel>ONU 2.1.8</ns5:userLabel>
<ns5:discoveredName>2/PON 1/8</ns5:discoveredName>
<ns5:aliasNameList>
    <ns2:alias>
        <ns2:aliasName>net://net:1</ns2:aliasName>
        <ns2:aliasValue>
            {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
            [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/8)]}
        </ns2:aliasValue>
    </ns2:alias>
</ns5:aliasNameList>
<ns5:vendorExtensions>
    <ns26:Cisco_EQ_Description>ONU 2.1.8</ns26:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns7:installedEquipmentObjectType>Cisco_GPON_ONU
</ns7:installedEquipmentObjectType>
<ns7:installedSerialNumber>2222222222222222
</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>OUT_OF_SERVICE
</ns7:resourceFulfillmentState>
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
<ns8:eh>
    <ns5:name>
        <ns3:rdn>
            <ns3:type>HINTS</ns3:type>
            <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>MD</ns3:type>
            <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>ME</ns3:type>
            <ns3:value>OLT-RTP</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EH</ns3:type>
            <ns3:value>remote_unit=' '/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
            1/4' "</ns3:value>
        </ns3:rdn>
    </ns5:name>
    <ns5:aliasNameList>
        <ns2:alias>
            <ns2:aliasName>net://net:1</ns2:aliasName>
            <ns2:aliasValue>
                {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)][Module]
                [Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/4)]}
            </ns2:aliasValue>
        </ns2:alias>
    </ns5:aliasNameList>
    <ns5:vendorExtensions>
        <ns26:Cisco_EQH_softwareVersion>04GEV01d00d012
        </ns26:Cisco_EQH_softwareVersion>
    </ns5:vendorExtensions>
    <ns8:holderType>remote_unit</ns8:holderType>
    <ns8:location>Bangalore</ns8:location>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
<ns7:eq>
    <ns5:name>
        <ns3:rdn>
            <ns3:type>HINTS</ns3:type>
            <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>

```



```
</ns3:rdn>
<ns3:rdn>
  <ns3:type>MD</ns3:type>
  <ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>ME</ns3:type>
  <ns3:value>OLT-RTP</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
  1/4'"</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EQ</ns3:type>
  <ns3:value>2/PON 1/4</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:userLabel>ONT 2.1.4</ns5:userLabel>
<ns5:discoveredName>2/PON 1/4</ns5:discoveredName>
<ns5:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
      [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/4)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns5:aliasNameList>
<ns5:vendorExtensions>
  <ns26:Cisco_EQ_Description>ONT 2.1.4 Residential 1:1 PPPoE 19:
  </ns26:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns7:installedEquipmentObjectType>Cisco_GPON_ONU
</ns7:installedEquipmentObjectType>
<ns7:installedSerialNumber>5054494E1CAD00E0
</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>IN_SERVICE
</ns7:resourceFulfillmentState>
<ns7:installedVersion>ONT4GE2FXS0006</ns7:installedVersion>
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
<ns8:eh>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
      1/31'"</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:1</ns2:aliasName>
      <ns2:aliasValue>
        {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
```

```
        [Module][Port (PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/31)]}
    </ns2:aliasValue>
</ns2:alias>
</ns5:aliasNameList>
    <ns8:holderType>remote_unit</ns8:holderType>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
    <ns7:eq>
        <ns5:name>
            <ns3:rdn>
                <ns3:type>HINTS</ns3:type>
                <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
            </ns3:rdn>
            <ns3:rdn>
                <ns3:type>MD</ns3:type>
                <ns3:value>CISCO_PRIME</ns3:value>
            </ns3:rdn>
            <ns3:rdn>
                <ns3:type>ME</ns3:type>
                <ns3:value>OLT-RTP</ns3:value>
            </ns3:rdn>
            <ns3:rdn>
                <ns3:type>EH</ns3:type>
                <ns3:value>remote_unit="'/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
                1/31'"</ns3:value>
            </ns3:rdn>
            <ns3:rdn>
                <ns3:type>EQ</ns3:type>
                <ns3:value>2/PON 1/31</ns3:value>
            </ns3:rdn>
        </ns5:name>
        <ns5:userLabel>ONU 2.1.31</ns5:userLabel>
        <ns5:discoveredName>2/PON 1/31</ns5:discoveredName>
        <ns5:aliasNameList>
            <ns2:alias>
                <ns2:aliasName>net://net:1</ns2:aliasName>
                <ns2:aliasValue>
                    {[ManagedElement (Key=OLT-RTP)][PhysicalRoot][Chassis][Slot (SlotNum=2)]
                    [Module][Port (PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/31)]}
                </ns2:aliasValue>
            </ns2:alias>
        </ns5:aliasNameList>
        <ns5:vendorExtensions>
            <ns26:Cisco_EQ_Description>ONU 2.1.31</ns26:Cisco_EQ_Description>
        </ns5:vendorExtensions>
        <ns6:resourceState>WORKING</ns6:resourceState>
        <ns7:installedEquipmentObjectType>Cisco_GPON_ONU
        </ns7:installedEquipmentObjectType>
        <ns7:installedSerialNumber>2222222222333663
        </ns7:installedSerialNumber>
        <ns7:resourceFulfillmentState>OUT_OF_SERVICE
        </ns7:resourceFulfillmentState>
    </ns7:eq>
</ns11:eoh>
<ns11:eoh>
    <ns8:eh>
        <ns5:name>
            <ns3:rdn>
                <ns3:type>HINTS</ns3:type>
                <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
            </ns3:rdn>
            <ns3:rdn>
                <ns3:type>MD</ns3:type>
                <ns3:value>CISCO_PRIME</ns3:value>
            </ns3:rdn>
            <ns3:rdn>
                <ns3:type>ME</ns3:type>
                <ns3:value>OLT-RTP</ns3:value>
            </ns3:rdn>
        </ns5:name>
    </ns8:eh>

```

```
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
    1/3'"</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
        [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/3)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns5:aliasNameList>
<ns5:vendorExtensions>
  <ns26:Cisco_EQH_softwareVersion>04GEV01d00d012
  </ns26:Cisco_EQH_softwareVersion>
</ns5:vendorExtensions>
<ns8:holderType>remote_unit</ns8:holderType>
<ns8:location>Bangalore</ns8:location>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
<ns7:eq>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
        1/3'"</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EQ</ns3:type>
      <ns3:value>2/PON 1/3</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:userLabel>ONT 2.1.3</ns5:userLabel>
  <ns5:discoveredName>2/PON 1/3</ns5:discoveredName>
  <ns5:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:1</ns2:aliasName>
      <ns2:aliasValue>
        {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
          [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/3)]}
      </ns2:aliasValue>
    </ns2:alias>
  </ns5:aliasNameList>
  <ns5:vendorExtensions>
    <ns26:Cisco_EQ_Description>ONT 2.1.3 Residential 1:1 IPoE 17:6
    </ns26:Cisco_EQ_Description>
  </ns5:vendorExtensions>
  <ns6:resourceState>WORKING</ns6:resourceState>
  <ns7:installedEquipmentObjectType>Cisco_GPON_ONU
  </ns7:installedEquipmentObjectType>
  <ns7:installedSerialNumber>5054494E1CAD00E8
  </ns7:installedSerialNumber>
  <ns7:resourceFulfillmentState>IN_SERVICE
  </ns7:resourceFulfillmentState>
```

```
<ns7:installedVersion>ONT4GE2FXS0006</ns7:installedVersion>
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
<ns8:eh>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
1/10'"</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:1</ns2:aliasName>
      <ns2:aliasValue>
        {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
        [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/10)]}
      </ns2:aliasValue>
    </ns2:alias>
  </ns5:aliasNameList>
  <ns8:holderType>remote_unit</ns8:holderType>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
<ns7:eq>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564816;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
1/10'"</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EQ</ns3:type>
      <ns3:value>2/PON 1/10</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:userLabel>ONU 2.1.10</ns5:userLabel>
  <ns5:discoveredName>2/PON 1/10</ns5:discoveredName>
  <ns5:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:1</ns2:aliasName>
      <ns2:aliasValue>
        {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
        [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/10)]}
      </ns2:aliasValue>
    </ns2:alias>
  </ns5:aliasNameList>

```

```

    </ns2:alias>
  </ns5:aliasNameList>
  <ns5:vendorExtensions>
    <ns26:Cisco_EQ_Description>ONU 2.1.10</ns26:Cisco_EQ_Description>
  </ns5:vendorExtensions>
  <ns6:resourceState>WORKING</ns6:resourceState>
  <ns7:installedEquipmentObjectType>Cisco_GPON_ONU
</ns7:installedEquipmentObjectType>
  <ns7:installedSerialNumber>122222222222222
</ns7:installedSerialNumber>
  <ns7:resourceFulfillmentState>OUT_OF_SERVICE
</ns7:resourceFulfillmentState>
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit="'/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
1/30'"</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:aliasNameList>
      <ns2:alias>
        <ns2:aliasName>net://net:1</ns2:aliasName>
        <ns2:aliasValue>
          {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
          [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/30)]}
        </ns2:aliasValue>
      </ns2:alias>
    </ns5:aliasNameList>
    <ns8:holderType>remote_unit</ns8:holderType>
  </ns8:eh>
</ns11:eoh>
<ns11:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit="'/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
1/30'"</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>2/PON 1/30</ns3:value>
      </ns3:rdn>
    </ns5:name>
  </ns7:eq>

```

```
</ns3:rdn>
</ns5:name>
<ns5:userLabel>ONU 2.1.30</ns5:userLabel>
<ns5:discoveredName>2/PON 1/30</ns5:discoveredName>
<ns5:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
        [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/30)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns5:aliasNameList>
<ns5:vendorExtensions>
  <ns26:Cisco_EQ_Description>ONU 2.1.30</ns26:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns7:installedEquipmentObjectType>Cisco_GPON_ONU
</ns7:installedEquipmentObjectType>
<ns7:installedSerialNumber>222222222333333
</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>OUT_OF_SERVICE
</ns7:resourceFulfillmentState>
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
<ns8:eh>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
        1/7' "</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:1</ns2:aliasName>
      <ns2:aliasValue>
        {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
          [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/7)]}
      </ns2:aliasValue>
    </ns2:alias>
  </ns5:aliasNameList>
  <ns8:holderType>remote_unit</ns8:holderType>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
    </ns7:eq>
  </ns11:eoh>
</ns11:eoh>
```

```

        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
            1/7'"</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>2/PON 1/7</ns3:value>
    </ns3:rdn>
</ns5:name>
<ns5:userLabel>ONU 2.1.7</ns5:userLabel>
<ns5:discoveredName>2/PON 1/7</ns5:discoveredName>
<ns5:aliasNameList>
    <ns2:alias>
        <ns2:aliasName>net://net:1</ns2:aliasName>
        <ns2:aliasValue>
            {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
                [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/7)]}
        </ns2:aliasValue>
    </ns2:alias>
</ns5:aliasNameList>
<ns5:vendorExtensions>
    <ns26:Cisco_EQ_Description>ONU 2.1.7</ns26:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns7:installedEquipmentObjectType>Cisco_GPON_ONU
</ns7:installedEquipmentObjectType>
<ns7:installedSerialNumber>5054494E1CBC432B
</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>OUT_OF_SERVICE
</ns7:resourceFulfillmentState>
<ns7:installedVersion>ONT4GE2FXS0006</ns7:installedVersion>
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
<ns8:eh>
    <ns5:name>
        <ns3:rdn>
            <ns3:type>HINTS</ns3:type>
            <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>MD</ns3:type>
            <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>ME</ns3:type>
            <ns3:value>OLT-RTP</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>EH</ns3:type>
            <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
                1/20'"</ns3:value>
        </ns3:rdn>
    </ns5:name>
    <ns5:aliasNameList>
        <ns2:alias>
            <ns2:aliasName>net://net:1</ns2:aliasName>
            <ns2:aliasValue>
                {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
                    [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/20)]}
            </ns2:aliasValue>
        </ns2:alias>
    </ns5:aliasNameList>
    <ns8:holderType>remote_unit</ns8:holderType>
</ns8:eh>
</ns11:eoh>

```

```
<ns11:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
          1/20'"</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>2/PON 1/20</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:userLabel>ONU 2.1.20</ns5:userLabel>
    <ns5:discoveredName>2/PON 1/20</ns5:discoveredName>
    <ns5:aliasNameList>
      <ns2:alias>
        <ns2:aliasName>net://net:1</ns2:aliasName>
        <ns2:aliasValue>
          {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
            [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/20)]}
        </ns2:aliasValue>
      </ns2:alias>
    </ns5:aliasNameList>
    <ns5:vendorExtensions>
      <ns26:Cisco_EQ_Description>ONU 2.1.20</ns26:Cisco_EQ_Description>
    </ns5:vendorExtensions>
    <ns6:resourceState>WORKING</ns6:resourceState>
    <ns7:installedEquipmentObjectType>Cisco_GPON_ONU
    </ns7:installedEquipmentObjectType>
    <ns7:installedSerialNumber>1234123412341235
    </ns7:installedSerialNumber>
    <ns7:resourceFulfillmentState>OUT_OF_SERVICE
    </ns7:resourceFulfillmentState>
  </ns7:eq>
</ns11:eoh>
<ns11:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
          1/2'"</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:aliasNameList>
```



```
<ns2:alias>
  <ns2:aliasName>net://net:1</ns2:aliasName>
  <ns2:aliasValue>
    {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
    [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/2)]}
  </ns2:aliasValue>
</ns2:alias>
</ns5:aliasNameList>
<ns8:holderType>remote_unit</ns8:holderType>
<ns8:location>cisco12</ns8:location>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
  <ns7:eq>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>ME</ns3:type>
        <ns3:value>OLT-RTP</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EH</ns3:type>
        <ns3:value>remote_unit=" "/rack=chassis/slot=2/port=gpon2/1'/shelf=' 2/PON
          1/2'" </ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>EQ</ns3:type>
        <ns3:value>2/PON 1/2</ns3:value>
      </ns3:rdn>
    </ns5:name>
    <ns5:userLabel>ONT 2.1.2</ns5:userLabel>
    <ns5:discoveredName>2/PON 1/2</ns5:discoveredName>
    <ns5:aliasNameList>
      <ns2:alias>
        <ns2:aliasName>net://net:1</ns2:aliasName>
        <ns2:aliasValue>
          {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
          [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/2)]}
        </ns2:aliasValue>
      </ns2:alias>
    </ns5:aliasNameList>
    <ns5:vendorExtensions>
      <ns26:Cisco_EQ_Description>cisco123</ns26:Cisco_EQ_Description>
    </ns5:vendorExtensions>
    <ns6:resourceState>WORKING</ns6:resourceState>
    <ns7:installedEquipmentObjectType>Cisco_GPON_ONU
    </ns7:installedEquipmentObjectType>
    <ns7:installedSerialNumber>5054494E1CAD00EE
    </ns7:installedSerialNumber>
    <ns7:resourceFulfillmentState>OUT_OF_SERVICE
    </ns7:resourceFulfillmentState>
    <ns7:installedVersion>ONT4GE2FXS0006</ns7:installedVersion>
  </ns7:eq>
</ns11:eoh>
<ns11:eoh>
  <ns8:eh>
    <ns5:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
```

```
<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>ME</ns3:type>
  <ns3:value>OLT-RTP</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
1/25'"</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
      [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/25)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns5:aliasNameList>
<ns8:holderType>remote_unit</ns8:holderType>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
<ns7:eq>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
1/25'"</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EQ</ns3:type>
      <ns3:value>2/PON 1/25</ns3:value>
    </ns3:rdn>
  </ns5:name>
<ns5:userLabel>ONU 2.1.25</ns5:userLabel>
<ns5:discoveredName>2/PON 1/25</ns5:discoveredName>
<ns5:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
      [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/25)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns5:aliasNameList>
<ns5:vendorExtensions>
  <ns26:Cisco_EQ_Description>ONU 2.1.25</ns26:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns7:installedEquipmentObjectType>Cisco_GPON_ONU
</ns7:installedEquipmentObjectType>
<ns7:installedSerialNumber>111112222333455
</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>OUT_OF_SERVICE
</ns7:resourceFulfillmentState>
```

```
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
<ns8:eh>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
        1/12'"</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:1</ns2:aliasName>
      <ns2:aliasValue>
        {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
          [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/12)]}
      </ns2:aliasValue>
    </ns2:alias>
  </ns5:aliasNameList>
  <ns8:holderType>remote_unit</ns8:holderType>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
<ns7:eq>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
        1/12'"</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EQ</ns3:type>
      <ns3:value>2/PON 1/12</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:userLabel>ONU 2.1.12</ns5:userLabel>
  <ns5:discoveredName>2/PON 1/12</ns5:discoveredName>
  <ns5:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:1</ns2:aliasName>
      <ns2:aliasValue>
        {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
          [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/12)]}
      </ns2:aliasValue>
    </ns2:alias>
  </ns5:aliasNameList>
  </ns2:alias>
</ns2:alias>
```

```

</ns5:aliasNameList>
<ns5:vendorExtensions>
  <ns26:Cisco_EQ_Description>ONU 2.1.12</ns26:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns7:installedEquipmentObjectType>Cisco_GPON_ONU
</ns7:installedEquipmentObjectType>
<ns7:installedSerialNumber>132222222222254
</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>OUT_OF_SERVICE
</ns7:resourceFulfillmentState>
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
<ns8:eh>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="'/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
1/0'"</ns3:value>
    </ns3:rdn>
  </ns5:name>
<ns5:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
      [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/0)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns5:aliasNameList>
  <ns8:holderType>remote_unit</ns8:holderType>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
<ns7:eq>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="'/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
1/0'"</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EQ</ns3:type>
      <ns3:value>2/PON 1/0</ns3:value>
    </ns3:rdn>
  </ns7:eq>

```

```

</ns5:name>
<ns5:discoveredName>2/PON 1/0</ns5:discoveredName>
<ns5:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
      [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/0)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns5:aliasNameList>
<ns5:vendorExtensions />
<ns6:resourceState>NON_WORKING</ns6:resourceState>
<ns7:installedEquipmentObjectType>Cisco_GPON_ONU
</ns7:installedEquipmentObjectType>
<ns7:installedSerialNumber>5054494E1CAD00E3
</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>SERV_NA</ns7:resourceFulfillmentState>
</ns7:eq>
</ns11:eoh>
<ns11:eoh>
<ns8:eh>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>OLT-RTP</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>EH</ns3:type>
      <ns3:value>remote_unit="/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
      1/1'"</ns3:value>
    </ns3:rdn>
  </ns5:name>
  <ns5:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:1</ns2:aliasName>
      <ns2:aliasValue>
        {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
        [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/1)]}
      </ns2:aliasValue>
    </ns2:alias>
  </ns5:aliasNameList>
  <ns5:vendorExtensions>
    <ns26:Cisco_EQH_softwareVersion>3NT7SW0000005K
    </ns26:Cisco_EQH_softwareVersion>
  </ns5:vendorExtensions>
  <ns8:holderType>remote_unit</ns8:holderType>
  <ns8:location>bangalore</ns8:location>
</ns8:eh>
</ns11:eoh>
<ns11:eoh>
<ns7:eq>
  <ns5:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1381844564817;DMLIST:net://net:1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>

```

```
<ns3:type>ME</ns3:type>
<ns3:value>OLT-RTP</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
  <ns3:value>remote_unit="'/rack=chassis/slot=2/port=gpon2/1'/shelf='2/PON
    1/1'"</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EQ</ns3:type>
  <ns3:value>2/PON 1/1</ns3:value>
</ns3:rdn>
</ns5:name>
<ns5:userLabel>demo1</ns5:userLabel>
<ns5:discoveredName>2/PON 1/1</ns5:discoveredName>
<ns5:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=OLT-RTP)][PhysicalRoot][Chassis][Slot(SlotNum=2)]
        [Module][Port(PortNumber=gpon2/1)][Gpon][ONT(ONTId=2/PON 1/1)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns5:aliasNameList>
<ns5:vendorExtensions>
  <ns26:Cisco_EQ_Description>ONT 2.1.1 Mobile Services
</ns26:Cisco_EQ_Description>
</ns5:vendorExtensions>
<ns6:resourceState>WORKING</ns6:resourceState>
<ns7:installedEquipmentObjectType>Cisco_GPON_ONU
</ns7:installedEquipmentObjectType>
<ns7:installedSerialNumber>5054494E07D06DE7
</ns7:installedSerialNumber>
<ns7:resourceFulfillmentState>IN_SERVICE
</ns7:resourceFulfillmentState>
<ns7:installedVersion>3NT7MDUC000102</ns7:installedVersion>
</ns7:eq>
</ns11:eoh>
</ns4:getAllRemoteEquipmentByPTPResponse>
</soap:Body>
```

```
</soap:Envelope>
```

## TerminationPointRetrieval\_RPC

### getAllSupportedPhysicalTerminationPoints

#### RequestResponse-getAllSupportedPhysicalTerminationPoints

Request - getAllSupportedPhysicalTerminationPoints

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/tpr/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <!--Zero or more repetitions: -->
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getAllSupportedPhysicalTerminationPointsRequest>
      <!--Optional: -->
      <v11:equipmentRef>
        <!--1 or more repetitions: -->
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>ME</v12:type>
          <v12:value>M6-65-124</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>EH</v12:type>
          <v12:value>rack=1</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>EH</v12:type>
          <v12:value>shelf=1</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>EH</v12:type>
          <v12:value>slot=4</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>EH</v12:type>
          <v12:value>ppm_holder=3</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>EQ</v12:type>
          <v12:value>PPM_1_PORT</v12:value>
        </v12:rdn>
      </v11:equipmentRef>
    </v11:getAllSupportedPhysicalTerminationPointsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response - getAllSupportedPhysicalTerminationPoints

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns28="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
      xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
      xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/tppool/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/gtp/v1"
      xmlns:ns22="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns14="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrb/xsd/v_rsrcki/v1"
      xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/mri/xsd/tp/v1"
      xmlns:ns10="http://www.tmforum.org/mtop/nrf/xsd/tp/v1"
      xmlns:ns9="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/ftp/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <activityName>getAllSupportedPhysicalTerminationPoints</activityName>
      <msgName>getAllSupportedPhysicalTerminationPointsResponse</msgName>
      <msgType>RESPONSE</msgType>
      <activityStatus>SUCCESS</activityStatus>
      <priority>HIGH - modified by Prime Central Inventory</priority>
      <msgSpecificProperties>
        <property>
          <propName>inventoryFromDm</propName>
          <propValue>true</propValue>
        </property>
      </msgSpecificProperties>
      <communicationPattern>SimpleResponse</communicationPattern>
      <communicationStyle>RPC</communicationStyle>
      <timestamp>2013-06-22T04:18:18.477-04:00</timestamp>
    </header>
  </soap:Header>
  <soap:Body>
    <ns11:getAllSupportedPhysicalTerminationPointsResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/ftp/v1"
      xmlns:ns9="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns10="http://www.tmforum.org/mtop/nrf/xsd/tp/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/mri/xsd/tp/v1"
      xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrb/xsd/v_rsrcki/v1"
      xmlns:ns14="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
    </ns11:getAllSupportedPhysicalTerminationPointsResponse>
  </soap:Body>
</soap:Envelope>
```



```

xmlns:ns18="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns19="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns21="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns22="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/gtp/v1"
xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/tppool/v1"
xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saiecpt/v1"
xmlns:ns28="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1">
<ns11:tpList>
  <ns10:tp>
    <ns6:ptp>
      <ns4:name>
        <ns3:rdn>
          <ns3:type>HINTS</ns3:type>
          <ns3:value>TIME:1371889102749;DMLIST:opt://opt:14</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>MD</ns3:type>
          <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>ME</ns3:type>
          <ns3:value>M6-65-124</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>PTP</ns3:type>
          <ns3:value>/rack=1/shelf=1/slot=4/ppm_holder=3/port=1
          </ns3:value>
        </ns3:rdn>
      </ns4:name>
      <ns4:userLabel />
      <ns4:aliasNameList>
        <ns2:alias>
          <ns2:aliasName>opt://opt:14</ns2:aliasName>
          <ns2:aliasValue>EMS=Cisco
Systems/PrimeOptical/ManagedElement=M6-65-124/PTP=/rack=1/shelf=1/slot=4/ppm_holder=3/port=1
</ns2:aliasValue>
        </ns2:alias>
      </ns4:aliasNameList>
      <ns4:vendorExtensions>
        <ns29:Cisco_PTP_Line_Rate
          xmlns:ns29="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
          LR_Not_Applicable</ns29:Cisco_PTP_Line_Rate>
        </ns4:vendorExtensions>
        <ns5:resourceState>UNKNOWN</ns5:resourceState>
        <ns6:direction>D_BIDIRECTIONAL</ns6:direction>
        <ns6:isEdgePoint>true</ns6:isEdgePoint>
        <ns7:transmissionParametersList>
          <ns7:transmissionParameters>
            <ns7:layerRate>LR_Ten_Gigabit_Ethernet</ns7:layerRate>
            <ns7:parameterList />
          </ns7:transmissionParameters>
        </ns7:transmissionParametersList>
      </ns6:ptp>
    </ns10:tp>
  </ns11:tpList>
</ns11:getAllSupportedPhysicalTerminationPointsResponse>

```

```
</soap:Body>
</soap:Envelope>
```

## getTerminationPoint

### RequestResponse-getTerminationPoint

#### Request - getTerminationPoint

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/tp/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getTerminationPointRequest>
      <v11:tpRef>
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>ME</v12:type>
          <v12:value>ASR9K-AGG2</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>PTP</v12:type>
          <v12:value>/rack=0/slot=1/port=GigabitEthernet0/1/0/17</v12:value>
        </v12:rdn>
      </v11:tpRef>
    </v11:getTerminationPointRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getTerminationPoint

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns28="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
      xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
      xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/tpool/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/gtp/v1"
      xmlns:ns22="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns14="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrb/xsd/v_rsrvc/v1"
      xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/mri/xsd/tp/v1"
      xmlns:ns10="http://www.tmforum.org/mtop/nrf/xsd/tp/v1"
      xmlns:ns9="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/ftp/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
```

```
xmlns:ns6="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns5="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
<activityName>getTerminationPoint</activityName>
<msgName>getTerminationPointResponse</msgName>
<msgType>RESPONSE</msgType>
<activityStatus>SUCCESS</activityStatus>
<priority>HIGH - modified by Prime Central Inventory</priority>
<communicationPattern>SimpleResponse</communicationPattern>
<communicationStyle>RPC</communicationStyle>
<timestamp>2013-07-03T11:06:17.115-07:00</timestamp>
</header>
</soap:Header>
<soap:Body>
<ns11:getTerminationPointResponse
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns5="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns6="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/ftp/v1"
xmlns:ns9="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrf/xsd/tp/v1"
xmlns:ns11="http://www.tmforum.org/mtop/mri/xsd/tpr/v1"
xmlns:ns12="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns13="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns18="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns19="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns21="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns22="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/gtp/v1"
xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/tpool/v1"
xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
xmlns:ns28="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1">
<ns11:tp>
<ns6:ptp>
<ns4:name>
<ns3:rdn>
<ns3:type>MD</ns3:type>
<ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>ME</ns3:type>
<ns3:value>ASR9K-AGG2</ns3:value>
</ns3:rdn>
<ns3:rdn>
<ns3:type>PTP</ns3:type>
<ns3:value>/rack=0/slot=1/port=GigabitEthernet0/1/0/17</ns3:value>
</ns3:rdn>
</ns4:name>
<ns4:vendorExtensions>
<ns29:Cisco_PTP_Admin_State
xmlns:ns29="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
Down</ns29:Cisco_PTP_Admin_State>
<ns29:Cisco_PTP_Line_Rate
xmlns:ns29="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
1000.0 Mbps</ns29:Cisco_PTP_Line_Rate>
<ns29:Cisco_PTP_Alias
```

```
xmlns:ns29="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">
  GigabitEthernet0/1/0/17</ns29:Cisco_PTP_Alias>
</ns4:vendorExtensions>
<ns5:resourceState>NON_WORKING</ns5:resourceState>
<ns7:transmissionParametersList>
  <ns7:transmissionParameters>
    <ns7:layerRate>LR_Not_Applicable</ns7:layerRate>
  </ns7:transmissionParameters>
</ns7:transmissionParametersList>
</ns6:ptp>
</ns11:tp>
</ns11:getTerminationPointResponse>
```

```
</soap:Body>
</soap:Envelope>
```

## NotificationProducer

### Subscribe

#### RequestResponse-Subscribe

Request - Subscrib

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:v11="http://www.tmforum.org/mtop/fmw/xsd/notmsg/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:subscribeRequest>
      <v11:consumerEpr>http://10.105.39.190:9201</v11:consumerEpr>
      <!--Optional:-->
      <v11:topic>INVENTORY_NOTIFICATIONS</v11:topic>
    </v11:subscribeRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response - Subscrib

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns27="...">
      <activityName>subscribe</activityName>
      <msgName>subscribeResponse</msgName>
      <msgType>RESPONSE</msgType>
      <activityStatus>SUCCESS</activityStatus>
      <priority>HIGH - modified in NormalizeSoapMsg.processResponse</priority>
      <communicationPattern>SimpleResponse</communicationPattern>
      <communicationStyle>RPC</communicationStyle>
      <timestamp>2012-09-14T11:43:18.444+05:30</timestamp>
    </header>
  </soap:Header>
  <soap:Body>
    <ns3:subscribeResponse "... ">
      <ns3:subscriptionID>http://10.105.39.190:9201</ns3:subscriptionID>
    </ns3:subscribeResponse>
  </soap:Body>
</soap:Envelope>
```

ME Create Notification

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns40="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns39="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns38="http://www.cisco.com/mtop/nrb/xsd/Cisco_MPLS-VPN_LP/v1"
xmlns:ns37="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns36="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns35="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns34="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns33="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns32="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
```

```
xmlns:ns31="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns30="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns29="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns28="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns27="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns26="http://www.tmforum.org/mtop/sb/xsd/savc/v1"
xmlns:ns25="http://www.tmforum.org/mtop/sb/xsd/sodel/v1"
xmlns:ns24="http://www.tmforum.org/mtop/sb/xsd/ssc/v1"
xmlns:ns23="http://www.tmforum.org/mtop/sb/xsd/soc/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrb/xsd/rscsc/v1"
xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/sc/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nrb/xsd/rscoc/v1"
xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/oc/v1"
xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/rscodel/v1"
xmlns:ns17="http://www.tmforum.org/mtop/nrb/xsd/rscavc/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns11="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns9="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/avc/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/ei/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/cei/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/notmsg/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
  <activityName>notify</activityName>
  <msgName>notify</msgName>
  <msgType>NOTIFICATION</msgType>
  <senderURI>senderURI</senderURI>
  <destinationURI>destinationURI</destinationURI>
  <communicationPattern>Notification</communicationPattern>
  <communicationStyle>MSG</communicationStyle>
  <timestamp>2013-06-05T22:06:38.778+05:30</timestamp>
</header>
</soap:Header>
<soap:Body>
  <ns3:notify xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/notmsg/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/cei/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/ei/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/avc/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
xmlns:ns9="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns11="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns17="http://www.tmforum.org/mtop/nrb/xsd/rscavc/v1"
xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/rscodel/v1"
xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/oc/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nrb/xsd/rscoc/v1"
xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/sc/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrb/xsd/rscsc/v1"
xmlns:ns23="http://www.tmforum.org/mtop/sb/xsd/soc/v1"
xmlns:ns24="http://www.tmforum.org/mtop/sb/xsd/ssc/v1"
xmlns:ns25="http://www.tmforum.org/mtop/sb/xsd/sodel/v1"
xmlns:ns26="http://www.tmforum.org/mtop/sb/xsd/savc/v1"
xmlns:ns27="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns28="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
```

```
xmlns:ns29="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns30="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns31="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns32="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns33="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns34="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns35="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns36="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns37="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns38="http://www.cisco.com/mtop/nrb/xsd/Cisco_MPLS-VPN_LP/v1"
xmlns:ns39="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns40="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1">
  <ns3:topic>INVENTORY_NOTIFICATIONS</ns3:topic>
  <ns3:message>
    <ns20:resourceObjectCreation>
      <ns4:notificationId>0</ns4:notificationId>
      <ns4:sourceTime>2013-06-05T22:06:38.623+05:30</ns4:sourceTime>
      <ns5:objectType>ME</ns5:objectType>
      <ns5:objectName>
        <ns6:rdn>
          <ns6:type>HINTS</ns6:type>
          <ns6:value>TIME:1370450198623;DMLIST:net://net:1</ns6:value>
        </ns6:rdn>
        <ns6:rdn>
          <ns6:type>MD</ns6:type>
          <ns6:value>CISCO_PRIME</ns6:value>
        </ns6:rdn>
        <ns6:rdn>
          <ns6:type>ME</ns6:type>
          <ns6:value>12K</ns6:value>
        </ns6:rdn>
      </ns5:objectName>
      <ns5:osTime>2013-06-05T22:06:38.623+05:30</ns5:osTime>
      <ns19:object>
        <ns32:me>
          <ns9:name>
            <ns6:rdn>
              <ns6:type>HINTS</ns6:type>
              <ns6:value>TIME:1370450198623;DMLIST:net://net:1</ns6:value>
            </ns6:rdn>
            <ns6:rdn>
              <ns6:type>MD</ns6:type>
              <ns6:value>CISCO_PRIME</ns6:value>
            </ns6:rdn>
            <ns6:rdn>
              <ns6:type>ME</ns6:type>
              <ns6:value>12K</ns6:value>
            </ns6:rdn>
          </ns9:name>
          <ns9:aliasNameList>
            <ns2:alias>
              <ns2:aliasName>net://net:1</ns2:aliasName>
              <ns2:aliasValue>{ [ManagedElement (Key=12K) ] }</ns2:aliasValue>
            </ns2:alias>
          </ns9:aliasNameList>
          <ns9:vendorExtensions>
            <ns41:Cisco_ME_Operation_Mode
xmlns:ns41="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">UNKNOWN</ns41:Cisco_ME_Operation_
</ns9:vendorExtensions>
          <ns10:resourceState>NON_WORKING</ns10:resourceState>
          <ns32:communicationState>CS_UNAVAILABLE</ns32:communicationState>
        </ns32:me>
      </ns19:object>
    </ns20:resourceObjectCreation>
  </ns3:message>
</ns3:notify>
```

```
</soap:Body>
</soap:Envelope>
```

## Attribute Value Change(AVC) Notification

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns40="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns39="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
      xmlns:ns38="http://www.cisco.com/mtop/nrb/xsd/Cisco_MPLS-VPN_LP/v1"
      xmlns:ns37="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns36="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
      xmlns:ns35="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
      xmlns:ns34="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
      xmlns:ns33="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns32="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns31="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns30="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns29="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns28="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns27="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns26="http://www.tmforum.org/mtop/sb/xsd/savc/v1"
      xmlns:ns25="http://www.tmforum.org/mtop/sb/xsd/sodel/v1"
      xmlns:ns24="http://www.tmforum.org/mtop/sb/xsd/ssc/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/sb/xsd/soc/v1"
      xmlns:ns22="http://www.tmforum.org/mtop/nrb/xsd/rscsc/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/sc/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/nrb/xsd/rscoc/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/oc/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/rscodel/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/nrb/xsd/rscavc/v1"
      xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns11="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
      xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns9="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/avc/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/ei/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/cei/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/notmsg/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <activityName>notify</activityName>
      <msgName>notify</msgName>
      <msgType>NOTIFICATION</msgType>
      <senderURI>senderURI</senderURI>
      <destinationURI>destinationURI</destinationURI>
      <communicationPattern>Notification</communicationPattern>
      <communicationStyle>MSG</communicationStyle>
      <timestamp>2013-06-05T22:06:47.172+05:30</timestamp>
    </header>
  </soap:Header>
  <soap:Body>
    <ns3:notify xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/notmsg/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/cei/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/ei/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/avc/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
      xmlns:ns9="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
```



```
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns11="http://www.cisco.com/mtop/nrb/xsd/v_rsrcri/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns17="http://www.tmforum.org/mtop/nrb/xsd/rscavc/v1"
xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/rscodel/v1"
xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/oc/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nrb/xsd/rscoc/v1"
xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/sc/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrb/xsd/rscsc/v1"
xmlns:ns23="http://www.tmforum.org/mtop/sb/xsd/soc/v1"
xmlns:ns24="http://www.tmforum.org/mtop/sb/xsd/ssc/v1"
xmlns:ns25="http://www.tmforum.org/mtop/sb/xsd/sodel/v1"
xmlns:ns26="http://www.tmforum.org/mtop/sb/xsd/savc/v1"
xmlns:ns27="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns28="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns29="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns30="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns31="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns32="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns33="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns34="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns35="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns36="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns37="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns38="http://www.cisco.com/mtop/nrb/xsd/Cisco_MPLS-VPN_LP/v1"
xmlns:ns39="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns40="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1">
<ns3:topic>INVENTORY_NOTIFICATIONS</ns3:topic>
<ns3:message>
<ns17:resourceAttributeValueChange>
<ns4:notificationId>0</ns4:notificationId>
<ns4:sourceTime>2013-06-05T22:06:47.163+05:30</ns4:sourceTime>
<ns5:objectType>ME</ns5:objectType>
<ns5:objectName>
<ns6:rdn>
<ns6:type>HINTS</ns6:type>
<ns6:value>TIME:1370450207163;DMLIST:net://net:1</ns6:value>
</ns6:rdn>
<ns6:rdn>
<ns6:type>MD</ns6:type>
<ns6:value>CISCO_PRIME</ns6:value>
</ns6:rdn>
<ns6:rdn>
<ns6:type>ME</ns6:type>
<ns6:value>12K</ns6:value>
</ns6:rdn>
</ns5:objectName>
<ns5:osTime>2013-06-05T22:06:47.163+05:30</ns5:osTime>
<ns7:attributeList>
<ns32:me>
<ns9:name>
<ns6:rdn>
<ns6:type>HINTS</ns6:type>
<ns6:value>TIME:1370450207163;DMLIST:net://net:1</ns6:value>
</ns6:rdn>
<ns6:rdn>
<ns6:type>MD</ns6:type>
<ns6:value>CISCO_PRIME</ns6:value>
</ns6:rdn>
<ns6:rdn>
<ns6:type>ME</ns6:type>
<ns6:value>12K</ns6:value>
</ns6:rdn>
</ns9:name>
<ns9:aliasNameList>
<ns2:alias>
```

```
    <ns2:aliasName>net://net:1</ns2:aliasName>
    <ns2:aliasValue>{ [ManagedElement (Key=12K)] }</ns2:aliasValue>
  </ns2:alias>
</ns9:aliasNameList>
<ns9:vendorExtensions>
<ns41:Cisco_ME_Operation_Mode
xmlns:ns41="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1">UNKNOWN</ns41:Cisco_ME_Operation_
</ns9:vendorExtensions>
  <ns10:resourceState>WORKING</ns10:resourceState>
  <ns32:communicationState>CS_AVAILABLE</ns32:communicationState>
</ns32:me>
</ns7:attributeList>
</ns17:resourceAttributeValueChange>
</ns3:message>
</ns3:notify>
```

```
</soap:Body>
</soap:Envelope>
```

## Ethernet Virtual Connection Resource Inventory - Request and Response Examples

### FlowDomainRetrievalRPC

#### getAllFlowDomainFragmentNames

##### RequestResponse-getAllFlowDomainFragmentNames

Request - getFlowDomainFragmentNames

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:data="http://www.cisco.com/prime/esb/alarm/fm/query/data"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header />
  <soapenv:Body>
    <data:getActiveAlarmCountsRequest>
      <data:severityList>
        <!--1 or more repetitions: -->
        <data:severity>Critical</data:severity>
        <data:severity>Major</data:severity>
        <data:severity>Minor</data:severity>
      </data:severityList>
      <data:filter>
        <data:type>Device</data:type>
        <data:name>
          <!--1 or more repetitions: -->
          <v1:rdn>
            <v1:type>MD</v1:type>
            <v1:value>CISCO_PRIME</v1:value>
          </v1:rdn>
          <v1:rdn>
            <v1:type>ME</v1:type>
            <v1:value>Prime-dcdev-vcenter</v1:value>
          </v1:rdn>
        </data:name>
      </data:filter>
    </data:getActiveAlarmCountsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response - getFlowDomainFragmentNames

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns31="http://www.tmforum.org/mtop/nrf/xsd/dfrroute/v1"
      xmlns:ns30="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns29="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
      xmlns:ns28="http://www.cisco.com/mtop/nrb/xsd/Cisco_CE_LP/v1"
      xmlns:ns27="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/mfd/v1"
      xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
      xmlns:ns24="http://www.tmforum.org/mtop/nrb/xsd/itu/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/fd/v1">
```

```
xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/mfdfr/v1"
xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns19="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns18="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns16="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
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xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns11="http://www.cisco.com/mtop/nrb/xsd/v_rsrcki/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns9="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/fdfr/v1"
xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/crivi/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/fdr/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
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<msgName>getAllFlowDomainFragmentNamesResponse</msgName>
<msgType>RESPONSE</msgType>
<activityStatus>SUCCESS</activityStatus>
<priority>HIGH - modified by Prime Central Inventory</priority>
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<communicationStyle>RPC</communicationStyle>
<timestamp>2013-06-25T05:04:06.634-07:00</timestamp>
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</soap:Header>
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xmlns:ns29="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
xmlns:ns30="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
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## getFlowDomainFragment

### RequestResponse-getFlowDomainFragment

#### Request - getFlowDomainFragment

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  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/fdr/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header />
  </soapenv:Header>
  <soapenv:Body>
    <v11:getFlowDomainFragmentRequest>
      <!-- Optional: -->
      <v11:fdrRef>
        <!-- 1 or more repetitions: -->
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>FDFR</v12:type>
          <v12:value>10002@ASR9K-AGG2 -- 10002@ASR9K-DIST2</v12:value>
        </v12:rdn>
      </v11:fdrRef>
    </v11:getFlowDomainFragmentRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getFlowDomainFragment

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/fdrroute/v1"
      xmlns:ns20="http://www.cisco.com/mtop/nrb/xsd/Cisco_CE_LP/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
      xmlns:ns16="http://www.tmforum.org/mtop/nrb/xsd/itu/v1"
      xmlns:ns15="http://www.tmforum.org/mtop/nrf/xsd/mfd/v1"
      xmlns:ns14="http://www.tmforum.org/mtop/nrf/xsd/mfdfr/v1"
      xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns12="http://www.tmforum.org/mtop/rp/xsd/crp/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns10="http://www.tmforum.org/mtop/nrf/xsd/tcp/v1"
      xmlns:ns9="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/fdr/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/fdr/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <activityName>getFlowDomainFragment</activityName>
      <msgName>getFlowDomainFragmentResponse</msgName>
```

```
<msgType>RESPONSE</msgType>
<activityStatus>SUCCESS</activityStatus>
<priority>HIGH - modified in NormalizeSoapMsg.processResponse</priority>
<communicationPattern>SimpleResponse</communicationPattern>
<communicationStyle>RPC</communicationStyle>
<timestamp>2012-03-21T15:24:56.190-07:00</timestamp>
</header>
</soap:Header>
<soap:Body>
  <ns4:getFlowDomainFragmentResponse
    xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
    xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
    xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
    xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/fdr/v1"
    xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
    xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
    xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/fdfr/v1"
    xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
    xmlns:ns9="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
    xmlns:ns10="http://www.tmforum.org/mtop/nrf/xsd/tcp/v1"
    xmlns:ns11="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
    xmlns:ns12="http://www.tmforum.org/mtop/rp/xsd/crp/v1"
    xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
    xmlns:ns14="http://www.tmforum.org/mtop/nrf/xsd/mfdfr/v1"
    xmlns:ns15="http://www.tmforum.org/mtop/nrf/xsd/mfd/v1"
    xmlns:ns16="http://www.tmforum.org/mtop/nrb/xsd/itu/v1"
    xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
    xmlns:ns18="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
    xmlns:ns19="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
    xmlns:ns20="http://www.cisco.com/mtop/nrb/xsd/Cisco_CE_LP/v1"
    xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/fdfroute/v1">
    <ns4:fdfr>
      <ns5:name>
        <ns3:rdn>
          <ns3:type>HINTS</ns3:type>
          <ns3:value>TIME:1332368697115;DMLIST:net://net:6</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>MD</ns3:type>
          <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>FDFR</ns3:type>
          <ns3:value>10002@ASR9K-AGG2 -- 10002@ASR9K-DIST2</ns3:value>
        </ns3:rdn>
      </ns5:name>
      <ns5:discoveredName>10002@ASR9K-AGG2 -- 10002@ASR9K-DIST2</ns5:discoveredName>
      <ns7:direction>CD_BI</ns7:direction>
      <ns8:transmissionParameters>
        <ns8:layerRate>Cisco_LR_EVC</ns8:layerRate>
        <ns8:vendorExtensions>
          <ns20:Cisco_EVC_PWEEdge_Name>
            10002@ASR9K-AGG2 -- 10002@ASR9K-DIST2</ns20:Cisco_EVC_PWEEdge_Name>
          </ns8:vendorExtensions>
        </ns8:transmissionParameters>
      <ns7:aEndTpDataList>
        <ns9:tpData>
          <ns9:tpRef>
            <ns3:rdn>
              <ns3:type>HINTS</ns3:type>
              <ns3:value>TIME:1332368697116;DMLIST:net://net:6</ns3:value>
            </ns3:rdn>
            <ns3:rdn>
              <ns3:type>MD</ns3:type>
              <ns3:value>CISCO_PRIME</ns3:value>
            </ns3:rdn>
            <ns3:rdn>
              <ns3:type>ME</ns3:type>
              <ns3:value>ASR9K-DIST2</ns3:value>
            </ns3:rdn>
          </ns9:tpData>
        </ns7:aEndTpDataList>
      </ns4:fdfr>
    </ns4:getFlowDomainFragmentResponse>
  </soap:Body>
</soap:Envelope>
```

```
<ns3:rdn>
  <ns3:type>CTP</ns3:type>
  <ns3:value>TenGigE0/0/0/0 EFP: 21</ns3:value>
</ns3:rdn>
</ns9:tpRef>
<ns9:tpMappingMode>TM_NA</ns9:tpMappingMode>
<ns8:transmissionParametersList>
  <ns8:transmissionParameters>
    <ns8:layerRate>Cisco_LR_EVC</ns8:layerRate>
    <ns8:vendorExtensions>
      <ns20:Cisco_EFP_Administration_State>
        UNLOCKED</ns20:Cisco_EFP_Administration_State>
      <ns20:Cisco_EFP_Operational_State>
        WORKING</ns20:Cisco_EFP_Operational_State>
      <ns20:Cisco_EFP_isExactTag>false</ns20:Cisco_EFP_isExactTag>
      <ns20:Cisco_EFP_outerVlanTpId>IEEE802.1Q</ns20:Cisco_EFP_outerVlanTpId>
      <ns20:Cisco_EFP_SVID>21</ns20:Cisco_EFP_SVID>
      <ns20:Cisco_EFP_innerVlanTpId />
      <ns20:Cisco_EFP_CVID />
      <ns20:Cisco_EFP_Description />
    </ns8:vendorExtensions>
  </ns8:transmissionParameters>
</ns8:transmissionParametersList>
</ns9:tpData>
</ns7:aEndTpDataList>
<ns7:zEndTpDataList />
<ns7:isFlexible>true</ns7:isFlexible>
<ns7:administrativeState>LOCKED</ns7:administrativeState>
<ns7:fdfrState>SNCS_NONEXISTENT</ns7:fdfrState>
<ns7:fdfrType>PDFRT_POINT_TO_POINT</ns7:fdfrType>
</ns4:fdfr>
</ns4:getFlowDomainFragmentResponse>
```

```
</soap:Body>
</soap:Envelope>
```

## getFlowDomainFragmentRoute

### RequestResponse-getFlowDomainFragmentRoute

#### Request - getFlowDomainFragmentRoute

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/fdr/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getFlowDomainFragmentRouteRequest>
      <v11:fdrRef>
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>FDFR</v12:type>
          <v12:value>7002@ASR9K-AGG1 -- 7002@ASR9K-AGG3</v12:value>
        </v12:rdn>
      </v11:fdrRef>
    </v11:getFlowDomainFragmentRouteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getFlowDomainFragmentRoute

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/fdrRoute/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/itu/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
      xmlns:ns16="http://www.cisco.com/mtop/nrb/xsd/Cisco_CE_LP/v1"
      xmlns:ns15="http://www.tmforum.org/mtop/nrf/xsd/mfd/v1"
      xmlns:ns14="http://www.tmforum.org/mtop/nrf/xsd/mfdr/v1"
      xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns12="http://www.tmforum.org/mtop/rp/xsd/crp/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns10="http://www.tmforum.org/mtop/nrf/xsd/tcp/v1"
      xmlns:ns9="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/fdr/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/fdr/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
      <activityName>getFlowDomainFragmentRoute</activityName>
      <msgName>getFlowDomainFragmentRouteResponse</msgName>
      <msgType>RESPONSE</msgType>
```

```
<activityStatus>SUCCESS</activityStatus>
<priority>HIGH - modified in NormalizeSoapMsg.processResponse</priority>
<communicationPattern>SimpleResponse</communicationPattern>
<communicationStyle>RPC</communicationStyle>
<timestamp>2012-03-21T16:32:26.956-07:00</timestamp>
</header>
</soap:Header>
<soap:Body>
<ns4:getFlowDomainFragmentRouteResponse
  xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
  xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
  xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/fdr/v1"
  xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
  xmlns:ns6="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
  xmlns:ns7="http://www.tmforum.org/mtop/nrf/xsd/fdfr/v1"
  xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
  xmlns:ns9="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
  xmlns:ns10="http://www.tmforum.org/mtop/nrf/xsd/tcp/v1"
  xmlns:ns11="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
  xmlns:ns12="http://www.tmforum.org/mtop/rp/xsd/crp/v1"
  xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
  xmlns:ns14="http://www.tmforum.org/mtop/nrf/xsd/mfdfr/v1"
  xmlns:ns15="http://www.tmforum.org/mtop/nrf/xsd/mfd/v1"
  xmlns:ns16="http://www.cisco.com/mtop/nrb/xsd/Cisco_CE_LP/v1"
  xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
  xmlns:ns18="http://www.tmforum.org/mtop/nrb/xsd/itu/v1"
  xmlns:ns19="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
  xmlns:ns20="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
  xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/fdfrroute/v1">
<ns4:route>
  <ns14:mfdfr>
    <ns14:direction>CD_BI</ns14:direction>
    <ns8:transmissionParameters>
      <ns8:layerRate>LR_Ethernet</ns8:layerRate>
      <ns8:vendorExtensions>
        <ns16:Cisco_EVC_PWEEdge_Name>7002@ASR9K-AGG3</ns16:Cisco_EVC_PWEEdge_Name>
        <ns16:Cisco_EVC_PWEEdge_Local_Router_IP>
          10.15.15.11</ns16:Cisco_EVC_PWEEdge_Local_Router_IP>
        <ns16:Cisco_EVC_PWEEdge_Peer_Router_IP>
          10.15.15.9</ns16:Cisco_EVC_PWEEdge_Peer_Router_IP>
        <ns16:Cisco_EVC_PWEEdge_VC_ID>7002</ns16:Cisco_EVC_PWEEdge_VC_ID>
      </ns8:vendorExtensions>
    </ns8:transmissionParameters>
    <ns14:aEndTpRefList>
      <ns3:name>
        <ns3:rdn>
          <ns3:type>HINTS</ns3:type>
          <ns3:value>TIME:1332372748949;DMLIST:net://net:6</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>MD</ns3:type>
          <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>ME</ns3:type>
          <ns3:value>ASR9K-AGG3</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>CTP</ns3:type>
          <ns3:value>GigabitEthernet0/0/0/0 EFP: 801</ns3:value>
        </ns3:rdn>
      </ns3:name>
    </ns14:aEndTpRefList>
  </ns14:mfdfr>
  <ns14:mfdfr>
    <ns14:direction>CD_BI</ns14:direction>
    <ns8:transmissionParameters>
      <ns8:layerRate>LR_Ethernet</ns8:layerRate>
      <ns8:vendorExtensions>
```

```
<ns16:Cisco_EVC_PWEEdge_Name>7002@ASR9K-AGG1</ns16:Cisco_EVC_PWEEdge_Name>
<ns16:Cisco_EVC_PWEEdge_Local_Router_IP>
10.15.15.9</ns16:Cisco_EVC_PWEEdge_Local_Router_IP>
<ns16:Cisco_EVC_PWEEdge_Peer_Router_IP>
10.15.15.11</ns16:Cisco_EVC_PWEEdge_Peer_Router_IP>
<ns16:Cisco_EVC_PWEEdge_VC_ID>7002</ns16:Cisco_EVC_PWEEdge_VC_ID>
</ns8:vendorExtensions>
</ns8:transmissionParameters>
<ns14:aEndTpRefList>
  <ns3:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1332372748949;DMLIST:net://net:6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>ME</ns3:type>
      <ns3:value>ASR9K-AGG1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>CTP</ns3:type>
      <ns3:value>TenGigE0/0/0/0 EFP: 801</ns3:value>
    </ns3:rdn>
  </ns3:name>
</ns14:aEndTpRefList>
</ns14:mfdfr>
</ns4:route>
</ns4:getFlowDomainFragmentRouteResponse>
```



```
</soap:Body>
</soap:Envelope>
```

## Data Center Resource Inventory - Request and Response Examples

### ResourceInventoryRetrieval\_RPC

#### getInventoryDC

#### RequestResponse-getInventoryDC

Request - getInventory - All DCs

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <!--Zero or more repetitions: -->
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryRequest>
      <!--Optional: -->
      <v11:filter>
        <!--Zero or more repetitions: -->
        <v11:baseInstance>
          <!--1 or more repetitions: -->
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
        </v11:baseInstance>
        <!--Optional: -->
        <!--Zero or more repetitions: -->
        <v11:includedObjectType>
          <v11:objectType>Cisco_DC</v11:objectType>
          <v11:granularity>FULL</v11:granularity>
        </v11:includedObjectType>
      </v11:filter>
      <!--Optional: -->
    </v11:getInventoryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response - getInventory - All DCs

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns4:getInventoryResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
```

```
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdata/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns9="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns15="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns16="http://www.tmforum.org/mtop/nrf/xsd/ftp/v1"
xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
xmlns:ns18="http://www.tmforum.org/mtop/nra/xsd/pg/v1"
xmlns:ns19="http://www.tmforum.org/mtop/nra/xsd/pgp/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nra/xsd/epg/v1"
xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/gtp/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/mfd/v1"
xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/mfdfr/v1"
xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/mlsn/v1"
xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/snc/v1"
xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
xmlns:ns27="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/tpool/v1"
xmlns:ns30="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
xmlns:ns31="http://www.tmforum.org/mtop/nrf/xsd/fdfr/v1"
xmlns:ns32="http://www.tmforum.org/mtop/nrf/xsd/tl/v1"
xmlns:ns33="http://www.cisco.com/mtop/nrf/xsd/Cisco_dc/v1"
xmlns:ns34="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
xmlns:ns35="http://www.cisco.com/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns36="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns37="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns38="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns39="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns40="http://www.tmforum.org/mtop/nrf/xsd/tmd/v1"
xmlns:ns41="http://www.tmforum.org/mtop/nrf/xsd/os/v1"
xmlns:ns42="http://www.tmforum.org/mtop/fmw/xsd/vob/v1"
xmlns:ns43="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns44="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns45="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns46="http://www.tmforum.org/mtop/nrb/xsd/itu/v1"
xmlns:ns47="http://www.tmforum.org/mtop/nra/xsd/com/v1"
xmlns:ns48="http://www.tmforum.org/mtop/fmw/xsd/md/v1"
xmlns:ns49="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
xmlns:ns50="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns51="http://www.tmforum.org/mtop/nrf/xsd/fdfrroute/v1">
<ns4:inventoryData>
  <ns5:mdList>
    <ns5:md>
      <ns5:Cisco_dcList>
        <ns5:ciscoDCInv>
          <ns5:dcNm>i6-vcenter-2:-:sjo-i6</ns5:dcNm>
          <ns5:dcAttrs>
            <ns6:name>
              <ns3:rdn>
                <ns3:type>HINTS</ns3:type>
                <ns3:value>TIME:1371657886912;DMLIST:net://net:11,net://net:10
              </ns3:value>
            </ns3:rdn>
            <ns3:rdn>
              <ns3:type>MD</ns3:type>
              <ns3:value>CISCO_PRIME</ns3:value>
            </ns3:rdn>
            <ns3:rdn>
              <ns3:type>Cisco_DC</ns3:type>
              <ns3:value>i6-vcenter-2:-:sjo-i6</ns3:value>
            </ns3:rdn>
          </ns6:name>
        </ns5:ciscoDCInv>
      </ns5:Cisco_dcList>
    </ns5:md>
  </ns5:mdList>
</ns4:inventoryData>
```

```

<ns6:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:11</ns2:aliasName>
    <ns2:aliasValue>{ [ManagedElement(Key=i6-vcenter-2)]
    [LogicalRoot][Context(ContextName=Defaultcontext)]
    [ComputeVirtualization][VirtualDataCenter(Name=sjo-i6)]}
    </ns2:aliasValue>
  </ns2:alias>
  <ns2:alias>
    <ns2:aliasName>net://net:10</ns2:aliasName>
    <ns2:aliasValue>{ [ManagedElement(Key=i6-vcenter-2)][LogicalRoot]
    [Context(ContextName=Defaultcontext)]
    [ComputeVirtualization][VirtualDataCenter(Name=sjo-i6)]}
    </ns2:aliasValue>
  </ns2:alias>
</ns6:aliasNameList>
<ns6:vendorExtensions>
  <ns2:nvsList>
    <ns2:nvs>
      <ns2:name>Cisco_vCenter</ns2:name>
      <ns2:value>i6-vcenter-2</ns2:value>
    </ns2:nvs>
  </ns2:nvsList>
</ns6:vendorExtensions>
</ns5:dcAttrs>
</ns5:ciscoDCInv>
<ns5:ciscoDCInv>
  <ns5:dcNm>vCenter--:DCDEV</ns5:dcNm>
  <ns5:dcAttrs>
    <ns6:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1371657887047;DMLIST:net://net:10
        </ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>Cisco_DC</ns3:type>
        <ns3:value>vCenter--:DCDEV</ns3:value>
      </ns3:rdn>
    </ns6:name>
  <ns6:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:10</ns2:aliasName>
      <ns2:aliasValue>{ [ManagedElement(Key=vCenter)][LogicalRoot]
      [Context(ContextName=Defaultcontext)]
      [ComputeVirtualization][VirtualDataCenter(Name=DCDEV)]}
      </ns2:aliasValue>
    </ns2:alias>
  </ns6:aliasNameList>
  <ns6:vendorExtensions>
    <ns2:nvsList>
      <ns2:nvs>
        <ns2:name>Cisco_vCenter</ns2:name>
        <ns2:value>vCenter</ns2:value>
      </ns2:nvs>
    </ns2:nvsList>
  </ns6:vendorExtensions>
</ns5:dcAttrs>
</ns5:ciscoDCInv>
</ns5:Cisco_dcList>
</ns5:md>
</ns5:mdList>
</ns4:inventoryData>
</ns4:getInventoryResponse>

```

```
</soap:Body>
</soap:Envelope>
```

## ResourceInventoryRetrieval\_RPC

### getInventoryDataStore

#### RequestResponse-getInventoryDataStore

Request - getInventory - DataStore Names

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <!--Zero or more repetitions:-->
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryRequest>
      <!-- Optional: -->
      <v11:filter>
        <!--Zero or more repetitions:-->
        <v11:baseInstance>
          <!-- 1 or more repetitions: -->
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_DC</v12:type>
            <v12:value>i6-vcenter-2:-:sjo-i6</v12:value>
          </v12:rdn>
        </v11:baseInstance>
        <!-- Optional:-->

        <!-- Zero or more repetitions: -->
        <v11:includedObjectType>
          <v11:objectType>Cisco_V_DataStore</v11:objectType>
          <v11:granularity>NAME</v11:granularity>
        </v11:includedObjectType>
      </v11:filter>
      <!-- Optional: -->
    </v11:getInventoryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response - getInventory - DataStore Names

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header />
  <soap:Body>
    <ns4:getInventoryResponse
```

```
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdata/v1">
<ns4:inventoryData>
  <ns5:mdList>
    <ns5:md>
      <ns5:Cisco_dcList>
        <ns5:ciscoDCInv>
          <ns5:Cisco_V_dataStoreList>
            <ns5:storeInv>
              <ns5:dataStoreNm>downloads51</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun6</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun0</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun7</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun12</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun4</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun2</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun13</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>datastore1 (1)</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun11</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun5</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun1</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>TestDatastore</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun14</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun3</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>datastore1 (2)</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun9</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun8</ns5:dataStoreNm>
            </ns5:storeInv>
            <ns5:storeInv>
              <ns5:dataStoreNm>sj0-i6-ds2-lun10</ns5:dataStoreNm>
            </ns5:storeInv>
          </ns5:Cisco_V_dataStoreList>
        </ns5:ciscoDCInv>
      </ns5:Cisco_dcList>
    </ns5:md>
  </ns5:mdList>
</ns4:inventoryData>
```

```
</ns5:mdList>  
</ns4:inventoryData>  
</ns4:getInventoryResponse>
```

```
</soap:Body>
</soap:Envelope>
```

#### Request - getInventory - DataStore

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryRequest>
      <v11:filter>
        <v11:baseInstance>
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_DC</v12:type>
            <v12:value>i6-vcenter-2--:sjo-i6</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_V_DataStore</v12:type>
            <v12:value>sjo-i6-ds2-lun4</v12:value>
          </v12:rdn>
        </v11:baseInstance>
        <v11:includedObjectType>
          <v11:objectType>Cisco_V_DataStore</v11:objectType>
          <v11:granularity>FULL</v11:granularity>
        </v11:includedObjectType>
      </v11:filter>
    </v11:getInventoryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getInventory - DataStore

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header />
  <soap:Body>
    <ns4:getInventoryResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdata/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns34="http://www.cisco.com/mtop/nrb/xsd/v_rsrcci/v1"
      xmlns:ns38="http://www.cisco.com/mtop/nrf/xsd/v_store/v1">
      <ns4:inventoryData>
        <ns5:mdList>
          <ns5:md>
            <ns5:Cisco_dcList>
              <ns5:ciscoDCInv>
```

```

<ns5: Cisco_V_dataStoreList>
  <ns5: storeInv>
    <ns5: dataStoreNm> sjo-i6-ds2-lun4 </ns5: dataStoreNm>
    <ns5: dataStoreAttrs>
      <ns6: name>
        <ns3: rdn>
          <ns3: type> HINTS </ns3: type>
          <ns3: value> TIME: 1371753881216; DMLIST: net://net:11, net://net:10
          </ns3: value>
        </ns3: rdn>
        <ns3: rdn>
          <ns3: type> MD </ns3: type>
          <ns3: value> CISCO_PRIME </ns3: value>
        </ns3: rdn>
        <ns3: rdn>
          <ns3: type> Cisco_DC </ns3: type>
          <ns3: value> i6-vcenter-2-:sjo-i6 </ns3: value>
        </ns3: rdn>
        <ns3: rdn>
          <ns3: type> Cisco_V_DataStore </ns3: type>
          <ns3: value> sjo-i6-ds2-lun4 </ns3: value>
        </ns3: rdn>
      </ns6: name>
      <ns6: discoveredName> sjo-i6-ds2-lun4 </ns6: discoveredName>
      <ns6: aliasNameList>
        <ns2: alias>
          <ns2: aliasName> net://net:11 </ns2: aliasName>
          <ns2: aliasValue>
            {[ManagedElement(Key=i6-vcenter-2)]\LogicalRoot\}
            \Context(ContextName=Defaultcontext)\}
            \ComputeVirtualization\}\VirtualDataCenter
            Name=sjo-i6\}\VirtualDataStoresContainer\}
            \VirtualDataStore(Name=sjo-i6-ds2-lun4)\}
          </ns2: aliasValue>
        </ns2: alias>
        <ns2: alias>
          <ns2: aliasName> net://net:10 </ns2: aliasName>
          <ns2: aliasValue>
            {[ManagedElement(Key=i6-vcenter-2)]
            LogicalRoot][Context(ContextName=Defaultcontext)
            ComputeVirtualization]
            VirtualDataCenter(Name=sjo-i6)][VirtualDataStoresContainer]
            VirtualDataStore(Name=sjo-i6-ds2-lun4)]}
          </ns2: aliasValue>
        </ns2: alias>
      </ns6: aliasNameList>
      <ns6: vendorExtensions>
        <ns2: nvsList>
          <ns2: nvs>
            <ns2: name> Cisco_vCenter </ns2: name>
            <ns2: value> i6-vcenter-2 </ns2: value>
          </ns2: nvs>
        </ns2: nvsList>
      </ns6: vendorExtensions>
      <ns38: storeType> VMFS </ns38: storeType>
      <ns38: storeLocation>
        ds:///vmfs/volumes/518d3eel-f2cefcf2-413d-0025b500001e/
      </ns38: storeLocation>
      <ns38: freeSpace>
        <ns34: quantity> 1846.78 </ns34: quantity>
        <ns34: unit> GB </ns34: unit>
      </ns38: freeSpace>
      <ns38: provisionedSpace>
        <ns34: quantity> 200.97 </ns34: quantity>
        <ns34: unit> GB </ns34: unit>
      </ns38: provisionedSpace>
      <ns38: capacity>
        <ns34: quantity> 2047.75 </ns34: quantity>
        <ns34: unit> GB </ns34: unit>
      </ns38: capacity>

```



```
        <ns38:isAccessible>true</ns38:isAccessible>
        <ns38:isMultiHostAccess>true</ns38:isMultiHostAccess>
        <ns38:uuid>518d3ee1-f2cefcf2-413d-0025b500001e</ns38:uuid>
    </ns5:dataStoreAttrs>
</ns5:storeInv>
</ns5:Cisco_V_dataStoreList>
</ns5:ciscoDCInv>
</ns5:Cisco_dcList>
</ns5:md>
</ns5:mdList>
</ns4:inventoryData>
</ns4:getInventoryResponse>
```

```
</soap:Body>
</soap:Envelope>
```

## ResourceInventoryRetrieval\_RPC

### getInventoryHost

#### RequestResponse-getInventoryHost

Request - getInventory - Host Names

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryRequest>
      <!--Optional:-->
      <v11:filter>
        <v11:baseInstance>
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_DC</v12:type>
            <v12:value>i6-vcenter-2:-:sjo-i6</v12:value>
          </v12:rdn>
        </v11:baseInstance>
        <v11:includedObjectType>
          <v11:objectType>Cisco_V_Host</v11:objectType>
          <v11:granularity>NAME</v11:granularity>
        </v11:includedObjectType>
      </v11:filter>
    </v11:getInventoryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response - getInventory - Host Names

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header />
  <soap:Body>
    <ns4:getInventoryResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdata/v1">
      <ns4:inventoryData>
        <ns5:mdList>
          <ns5:md>
            <ns5:Cisco_dcList>
              <ns5:ciscoDCInv>
                <ns5:Cisco_V_hostList>
                  <ns5:hostInv>
                    <ns5:hostNm>sj0-i6-svr-28.cisco.com</ns5:hostNm>
                  </ns5:hostInv>
                  <ns5:hostInv>
                    <ns5:hostNm>sj0-i6-svr-27.cisco.com</ns5:hostNm>
                  </ns5:hostInv>
                  <ns5:hostInv>
                    <ns5:hostNm>sj0-i6-svr-16.cisco.com</ns5:hostNm>
                  </ns5:hostInv>
                </ns5:Cisco_V_hostList>
              </ns5:ciscoDCInv>
            </ns5:Cisco_dcList>
          </ns5:md>
        </ns5:mdList>
      </ns4:inventoryData>
    </ns4:getInventoryResponse>
  </soap:Body>
</soap:Envelope>
```

Request - getInventory - Host



```

        <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
</ns3:rdn>
    <ns3:type>Cisco_DC</ns3:type>
    <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
</ns3:rdn>
</ns3:rdn>
    <ns3:type>Cisco_V_Host</ns3:type>
    <ns3:value>sjo-i6-svr-16.cisco.com</ns3:value>
</ns3:rdn>
</ns6:name>
<ns6:discoveredName>sjo-i6-svr-16.cisco.com</ns6:discoveredName>
<ns6:aliasNameList>
    <ns2:alias>
        <ns2:aliasName>net://net:11</ns2:aliasName>
        <ns2:aliasValue>
            {[ManagedElement(Key=i6-vcenter-2)]\LogicalRoot\}
            \Context(ContextName=Defaultcontext)\ComputeVirtualization\
            \VirtualDataCenter(Name=sjo-i6)\HostsContainer\
            \Host(Name=sjo-i6-svr-16.cisco.com)\}
        </ns2:aliasValue>
    </ns2:alias>
    <ns2:alias>
        <ns2:aliasName>net://net:10</ns2:aliasName>
        <ns2:aliasValue>
            {[ManagedElement(Key=i6-vcenter-2)]LogicalRoot}
            [Context(ContextName=Defaultcontext)]ComputeVirtualization]
            [VirtualDataCenter(Name=sjo-i6)]HostsContainer]
            [Host(Name=sjo-i6-svr-16.cisco.com)]}
        </ns2:aliasValue>
    </ns2:alias>
</ns6:aliasNameList>
<ns6:vendorExtensions>
    <ns2:nvsList>
        <ns2:nvs>
            <ns2:name>Cisco_vCenter</ns2:name>
            <ns2:value>i6-vcenter-2</ns2:value>
        </ns2:nvs>
    </ns2:nvsList>
</ns6:vendorExtensions>
<ns34:description>VMware ESXi</ns34:description>
<ns34:management_IP>172.23.217.16</ns34:management_IP>
<ns34:dnsName>sjo-i6-svr-16</ns34:dnsName>
<ns34:macAddress>00 25 B5 00 00 7F</ns34:macAddress>
<ns34:state>Connected</ns34:state>
<ns34:sysUpTime>2013-06-13T13:15:46.927-07:00</ns34:sysUpTime>
<ns34:softwareType>VMware ESXi</ns34:softwareType>
<ns34:softwareVersion>5.0.0</ns34:softwareVersion>
<ns34:uuid>26349912-3560-11e0-0000-00000000009f</ns34:uuid>
<ns34:dataStoreAllocation>
    <ns34:Cisco_V_StoreAlloc>
        <ns6:name>
            <ns3:rdn>
                <ns3:type>HINTS</ns3:type>
                <ns3:value>TIME:1371658770529;DMLIST:net://net:11
            </ns3:value>
            </ns3:rdn>
            <ns3:rdn>
                <ns3:type>MD</ns3:type>
                <ns3:value>CISCO_PRIME</ns3:value>
            </ns3:rdn>
            <ns3:rdn>
                <ns3:type>Cisco_DC</ns3:type>
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            <ns3:rdn>
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```

```

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    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>Cisco_V_Host</ns3:type>
        <ns3:value>sjo-i6-svr-16.cisco.com</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
        <ns3:value>sjo-i6-ds2-lun5</ns3:value>
    </ns3:rdn>
</ns6:name>
<ns34:dataStoreName>sjo-i6-ds2-lun5</ns34:dataStoreName>
<ns34:associateEntry>
    <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1371658770529;DMLIST:net://net:11
    </ns3:value>

```

```

        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>MD</ns3:type>
          <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_DC</ns3:type>
          <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_V_DataStore</ns3:type>
          <ns3:value>sjo-i6-ds2-lun5</ns3:value>
        </ns3:rdn>
      </ns34:associateEntry>
<ns34:mountPoint>/vmfs/volumes/518d70c4-d16749b6-cf8a-0025b500001e</ns34:mountPoint>
  <ns34:isdataAccessible>true</ns34:isdataAccessible>
</ns34:Cisco_V_StoreAlloc>
<ns34:Cisco_V_StoreAlloc>
  <ns6:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1371658770529;DMLIST:net://net:11
    </ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_Host</ns3:type>
      <ns3:value>sjo-i6-svr-16.cisco.com</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
      <ns3:value>sjo-i6-ds2-lun13</ns3:value>
    </ns3:rdn>
  </ns6:name>
  <ns34:dataStoreName>sjo-i6-ds2-lun13</ns34:dataStoreName>
<ns34:associateEntry>
  <ns3:rdn>
    <ns3:type>HINTS</ns3:type>
    <ns3:value>TIME:1371658770529;DMLIST:net://net:11
  </ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_DC</ns3:type>
    <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_DataStore</ns3:type>
    <ns3:value>sjo-i6-ds2-lun13</ns3:value>
  </ns3:rdn>
</ns34:associateEntry>

<ns34:mountPoint>/vmfs/volumes/518da8a8-de45caa8-77a9-0025b500001e</ns34:mountPoint>
  <ns34:isdataAccessible>true</ns34:isdataAccessible>
</ns34:Cisco_V_StoreAlloc>
<ns34:Cisco_V_StoreAlloc>
  <ns6:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>

```

```

        <ns3:value>TIME:1371658770529;DMLIST:net://net:11
        </ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>Cisco_DC</ns3:type>
        <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>Cisco_V_Host</ns3:type>
        <ns3:value>sjo-i6-svr-16.cisco.com</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
        <ns3:value>sjo-i6-ds2-lun14</ns3:value>
    </ns3:rdn>
</ns6:name>
<ns34:dataStoreName>sjo-i6-ds2-lun14</ns34:dataStoreName>
<ns34:associateEntry>
    <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1371658770529;DMLIST:net://net:11
        </ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>Cisco_DC</ns3:type>
        <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>Cisco_V_DataStore</ns3:type>
        <ns3:value>sjo-i6-ds2-lun14</ns3:value>
    </ns3:rdn>
</ns34:associateEntry>
<ns34:mountPoint>/vmfs/volumes/518da921-b2298b80-9f69-0025b500001e</ns34:mountPoint>
    <ns34:isdataAccessible>true</ns34:isdataAccessible>
</ns34:Cisco_V_StoreAlloc>
<ns34:Cisco_V_StoreAlloc>
    <ns6:name>
        <ns3:rdn>
            <ns3:type>HINTS</ns3:type>
            <ns3:value>TIME:1371658770529;DMLIST:net://net:11
            </ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>MD</ns3:type>
            <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>Cisco_DC</ns3:type>
            <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>Cisco_V_Host</ns3:type>
            <ns3:value>sjo-i6-svr-16.cisco.com</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
            <ns3:value>sjo-i6-ds2-lun11</ns3:value>
        </ns3:rdn>
    </ns6:name>
    <ns34:dataStoreName>sjo-i6-ds2-lun11</ns34:dataStoreName>
</ns34:associateEntry>

```

```
<ns3:rdn>
  <ns3:type>HINTS</ns3:type>
  <ns3:value>TIME:1371658770529;DMLIST:net://net:11
</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>MD</ns3:type>
  <ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>Cisco_DC</ns3:type>
  <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>Cisco_V_DataStore</ns3:type>
  <ns3:value>sjo-i6-ds2-lun1</ns3:value>
</ns3:rdn>
</ns34:associateEntry>
<ns34:mountPoint>/vmfs/volumes/518da792-984c3936-2a14-0025b500001e</ns34:mountPoint>
  <ns34:isdataAccessible>true</ns34:isdataAccessible>
</ns34:Cisco_V_StoreAlloc>
<ns34:Cisco_V_StoreAlloc>
  <ns6:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1371658770529;DMLIST:net://net:11
    </ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_Host</ns3:type>
      <ns3:value>sjo-i6-svr-16.cisco.com</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
      <ns3:value>sjo-i6-ds2-lun12</ns3:value>
    </ns3:rdn>
  </ns6:name>
  <ns34:dataStoreName>sjo-i6-ds2-lun12</ns34:dataStoreName>
  <ns34:associateEntry>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1371658770529;DMLIST:net://net:11
    </ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_DataStore</ns3:type>
      <ns3:value>sjo-i6-ds2-lun12</ns3:value>
    </ns3:rdn>
  </ns34:associateEntry>
<ns34:mountPoint>/vmfs/volumes/518da834-bb357ea7-8560-0025b500001e</ns34:mountPoint>
  <ns34:isdataAccessible>true</ns34:isdataAccessible>
</ns34:Cisco_V_StoreAlloc>
```

```
<ns34: Cisco_V_StoreAlloc>
  <ns6: name>
    <ns3: rdn>
      <ns3: type>HINTS</ns3: type>
      <ns3: value>TIME:1371658770529;DMLIST:net://net:11
      </ns3: value>
    </ns3: rdn>
    <ns3: rdn>
      <ns3: type>MD</ns3: type>
      <ns3: value>CISCO_PRIME</ns3: value>
    </ns3: rdn>
    <ns3: rdn>
      <ns3: type>Cisco_DC</ns3: type>
      <ns3: value>i6-vcenter-2-:sjo-i6</ns3: value>
    </ns3: rdn>
    <ns3: rdn>
      <ns3: type>Cisco_V_Host</ns3: type>
      <ns3: value>sjo-i6-svr-16.cisco.com</ns3: value>
    </ns3: rdn>
    <ns3: rdn>
      <ns3: type>Cisco_V_dataStoreAllocation</ns3: type>
      <ns3: value>TestDatastore</ns3: value>
    </ns3: rdn>
  </ns6: name>
  <ns34: dataStoreName>TestDatastore</ns34: dataStoreName>
  <ns34: associateEntry>
    <ns3: rdn>
      <ns3: type>HINTS</ns3: type>
      <ns3: value>TIME:1371658770529;DMLIST:net://net:11
      </ns3: value>
    </ns3: rdn>
    <ns3: rdn>
      <ns3: type>MD</ns3: type>
      <ns3: value>CISCO_PRIME</ns3: value>
    </ns3: rdn>
    <ns3: rdn>
      <ns3: type>Cisco_DC</ns3: type>
      <ns3: value>i6-vcenter-2-:sjo-i6</ns3: value>
    </ns3: rdn>
    <ns3: rdn>
      <ns3: type>Cisco_V_DataStore</ns3: type>
      <ns3: value>TestDatastore</ns3: value>
    </ns3: rdn>
  </ns34: associateEntry>

<ns34: mountPoint>/vmfs/volumes/51bb753c-38a0f3c9-2cf9-0025b500007f</ns34: mountPoint>
  <ns34: isdataAccessible>true</ns34: isdataAccessible>
  </ns34: Cisco_V_StoreAlloc>
</ns34: dataStoreAllocation>
<ns34: vNetwkIntfList>
  <ns35: Cisco_V_tp>
    <ns6: name>
      <ns3: rdn>
        <ns3: type>HINTS</ns3: type>
        <ns3: value>TIME:1371658770529;DMLIST:net://net:11
        </ns3: value>
      </ns3: rdn>
      <ns3: rdn>
        <ns3: type>MD</ns3: type>
        <ns3: value>CISCO_PRIME</ns3: value>
      </ns3: rdn>
      <ns3: rdn>
        <ns3: type>Cisco_DC</ns3: type>
        <ns3: value>i6-vcenter-2-:sjo-i6</ns3: value>
      </ns3: rdn>
      <ns3: rdn>
        <ns3: type>Cisco_V_Host</ns3: type>
        <ns3: value>sjo-i6-svr-16.cisco.com</ns3: value>
      </ns3: rdn>
    </ns6: name>
  </ns35: Cisco_V_tp>
</ns34: vNetwkIntfList>
```



```

        <ns3:type>Cisco_V_networkTP</ns3:type>
        <ns3:value>vmnic1</ns3:value>
    </ns3:rdn>
</ns6:name>
<ns6:aliasNameList>
    <ns2:alias>
        <ns2:aliasName>net://net:11</ns2:aliasName>
        <ns2:aliasValue>
            {[ManagedElement(Key=i6-vcenter-2)]\[[LogicalRoot\]
            \[Context(ContextName=Defaultcontext)\]
            \[ComputeVirtualization\]
            \[VirtualDataCenter(Name=sjo-i6)\]\[HostsContainer\]
            \[Host(Name=sjo-i6-svr-16.cisco.com)\]
            \[VirtualEntityNetworkEndPoint(Name=vmnic1)\]}
        </ns2:aliasValue>
    </ns2:alias>
</ns6:aliasNameList>
<ns35:macAddress>00 25 B5 00 00 6F</ns35:macAddress>
<ns35:mtuSize>0</ns35:mtuSize>
<ns35:operState>Up</ns35:operState>
<ns35:supportingPTP>vmnic1</ns35:supportingPTP>
</ns35:Cisco_V_tp>
<ns35:Cisco_V_tp>
    <ns6:name>
        <ns3:rdn>
            <ns3:type>HINTS</ns3:type>
            <ns3:value>TIME:1371658770529;DMLIST:net://net:11
            </ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>MD</ns3:type>
            <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>Cisco_DC</ns3:type>
            <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>Cisco_V_Host</ns3:type>
            <ns3:value>sjo-i6-svr-16.cisco.com</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
            <ns3:type>Cisco_V_networkTP</ns3:type>
            <ns3:value>vmnic0</ns3:value>
        </ns3:rdn>
    </ns6:name>
    <ns6:aliasNameList>
        <ns2:alias>
            <ns2:aliasName>net://net:11</ns2:aliasName>
            <ns2:aliasValue>
                {[ManagedElement(Key=i6-vcenter-2)]\[[LogicalRoot\]
                \[Context(ContextName=Defaultcontext)\]
                \[ComputeVirtualization\]
                \[VirtualDataCenter(Name=sjo-i6)\]\[HostsContainer\]
                \[Host(Name=sjo-i6-svr-16.cisco.com)\]
                \[VirtualEntityNetworkEndPoint(Name=vmnic0)\]}
            </ns2:aliasValue>
        </ns2:alias>
    </ns6:aliasNameList>
    <ns35:macAddress>00 25 B5 00 00 7F</ns35:macAddress>
    <ns35:mtuSize>0</ns35:mtuSize>
    <ns35:operState>Up</ns35:operState>
    <ns35:supportingPTP>vmnic0</ns35:supportingPTP>
</ns35:Cisco_V_tp>
<ns35:Cisco_V_tp>
    <ns6:name>
        <ns3:rdn>
            <ns3:type>HINTS</ns3:type>
            <ns3:value>TIME:1371658770529;DMLIST:net://net:11
            </ns3:value>

```

```

</ns3:rdn>
<ns3:rdn>
  <ns3:type>MD</ns3:type>
  <ns3:value>CISCO_PRIME</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>Cisco_DC</ns3:type>
  <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>Cisco_V_Host</ns3:type>
  <ns3:value>sjo-i6-svr-16.cisco.com</ns3:value>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>Cisco_V_networkTP</ns3:type>
  <ns3:value>vmk1</ns3:value>
</ns3:rdn>
</ns6:name>
<ns6:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:11</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=i6-vcenter-2)]\[[LogicalRoot]\]
      \[Context(ContextName=Defaultcontext)\]
      \[ComputeVirtualization\]\[VirtualDataCenter(Name=sjo-i6)\]
      \[HostsContainer\]\[Host(Name=sjo-i6-svr-16.cisco.com)\]
      \[VirtualEntityNetworkEndPoint(Name=vmk1)\]}
    </ns2:aliasValue>
  </ns2:alias>
</ns6:aliasNameList>
<ns35:ipAddress>10.0.2.16</ns35:ipAddress>
<ns35:macAddress>00 50 56 73 25 DF</ns35:macAddress>
<ns35:mtuSize>1500</ns35:mtuSize>
<ns35:supportingPTP>vmk1</ns35:supportingPTP>
</ns35:Cisco_V_tp>
<ns35:Cisco_V_tp>
  <ns6:name>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1371658770529;DMLIST:net://net:11
      </ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_Host</ns3:type>
      <ns3:value>sjo-i6-svr-16.cisco.com</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_networkTP</ns3:type>
      <ns3:value>vmk0</ns3:value>
    </ns3:rdn>
  </ns6:name>
  <ns6:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:11</ns2:aliasName>
      <ns2:aliasValue>
        {[ManagedElement(Key=i6-vcenter-2)]\[[LogicalRoot]\]
        \[Context(ContextName=Defaultcontext)\]
        \[ComputeVirtualization\]
        \[VirtualDataCenter(Name=sjo-i6)\]\[HostsContainer\]
        \[Host(Name=sjo-i6-svr-16.cisco.com)\]
        \[VirtualEntityNetworkEndPoint(Name=vmk0)\]}
      </ns2:aliasValue>

```

```
        </ns2:alias>
    </ns6:aliasNameList>
    <ns35:ipAddress>172.23.217.16</ns35:ipAddress>
    <ns35:macAddress>00 25 B5 00 00 7F</ns35:macAddress>
    <ns35:mtuSize>1500</ns35:mtuSize>
    <ns35:supportingPTP>vmk0</ns35:supportingPTP>
  </ns35:Cisco_V_tp>
</ns34:vNetwkIntfList>
<ns37:vMotionEnabled>>true</ns37:vMotionEnabled>
<ns37:evcMode>Disabled</ns37:evcMode>
<ns37:model>N20-B6625-1</ns37:model>
<ns37:vendor>Cisco Systems Inc</ns37:vendor>
<ns37:hypervisorProperty>
  <ns37:hypervisorType>ESXi 5.0.0</ns37:hypervisorType>
  <ns37:name>VMware ESXi</ns37:name>
  <ns37:description>VMware ESXi 5.0.0 build-623860</ns37:description>
  <ns37:softwareType>Hypervisor</ns37:softwareType>
  <ns37:state>Running</ns37:state>
</ns37:hypervisorProperty>
<ns37:hostClusterRef>
  <ns3:rdn>
    <ns3:type>HINTS</ns3:type>
    <ns3:value>TIME:1371658770529;DMLIST:net://net:11
  </ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_DC</ns3:type>
    <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_HostCluster</ns3:type>
    <ns3:value>TestCluster</ns3:value>
  </ns3:rdn>
</ns37:hostClusterRef>
<ns37:faultToleranceVersion>2.0.1-3.0.0-3.0.0</ns37:faultToleranceVersion>
<ns37:faultToleranceEnabled>>false</ns37:faultToleranceEnabled>
<ns37:processPower>
  <ns37:cpuName>Intel(R) Xeon(R) CPU</ns37:cpuName>
  <ns37:cpuDescription>Intel(R) Xeon(R) CPU E5540 @
    2.53GHz</ns37:cpuDescription>
  <ns37:cpu>2</ns37:cpu>
  <ns37:coresPerCpu>4</ns37:coresPerCpu>
  <ns37:ratedSpeed>
    <ns34:quantity>2.53</ns34:quantity>
    <ns34:unit>GHz</ns34:unit>
  </ns37:ratedSpeed>
  <ns37:usedSpeed>
    <ns34:quantity>2.7</ns34:quantity>
    <ns34:unit>GHz</ns34:unit>
  </ns37:usedSpeed>
  <ns37:hyperThreadEnabled>>true</ns37:hyperThreadEnabled>
  <ns37:ramSize>
    <ns34:quantity>31.94</ns34:quantity>
    <ns34:unit>GB</ns34:unit>
  </ns37:ramSize>
</ns37:processPower>
</ns5:hostAttrs>
</ns5:hostInv>
  </ns5:Cisco_V_hostList>
  </ns5:ciscoDCInv>
  </ns5:Cisco_dcList>
</ns5:md>
</ns5:mdList>
</ns4:inventoryData>
</ns4:getInventoryResponse>
```

```
</soap:Body>
</soap:Envelope>
```

#### Request - getInventoryIterator - Host Names

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1">
  <soapenv:Header>
    <v1:header>
      <v1:iteratorReferenceURI>
        http://primecentral.cisco.com?IteratorId=38d83cc3-bf2d-4818-b55f-c4a2604f3311
      </v1:iteratorReferenceURI>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryIteratorRequest />
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getInventoryIterator - Host Names

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns51="http://www.tmforum.org/mtop/nrf/xsd/dfdroute/v1"
      xmlns:ns50="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns49="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
      xmlns:ns48="http://www.tmforum.org/mtop/nra/xsd/com/v1"
      xmlns:ns47="http://www.tmforum.org/mtop/nrb/xsd/itu/v1"
      xmlns:ns46="http://www.tmforum.org/mtop/fmw/xsd/md/v1"
      xmlns:ns45="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns44="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns43="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns42="http://www.tmforum.org/mtop/fmw/xsd/vob/v1"
      xmlns:ns41="http://www.tmforum.org/mtop/nrf/xsd/os/v1"
      xmlns:ns40="http://www.tmforum.org/mtop/nrf/xsd/tmd/v1"
      xmlns:ns39="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns38="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns37="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns36="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns35="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns34="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
      xmlns:ns33="http://www.cisco.com/mtop/nrf/xsd/Cisco_dc/v1"
      xmlns:ns32="http://www.tmforum.org/mtop/nrf/xsd/tl/v1"
      xmlns:ns31="http://www.tmforum.org/mtop/nrf/xsd/dfdr/v1"
      xmlns:ns30="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
      xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/tpool/v1"
      xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
      xmlns:ns27="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
      xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/snc/v1"
      xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/mlsn/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/mfdfr/v1"
      xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/mfd/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/gtp/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/nra/xsd/epg/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/nra/xsd/pgp/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nra/xsd/pg/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
      xmlns:ns16="http://www.tmforum.org/mtop/nrf/xsd/ftp/v1"
      xmlns:ns15="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
```

```
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
xmlns:ns9="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdta/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
<activityName>getInventoryIterator</activityName>
<msgName>getInventoryIteratorResponse</msgName>
<msgType>RESPONSE</msgType>
<activityStatus>SUCCESS</activityStatus>
<priority>HIGH - modified by Prime Central Inventory</priority>
<communicationPattern>SimpleResponse</communicationPattern>
<communicationStyle>RPC</communicationStyle>
<requestedBatchSize>2</requestedBatchSize>
<batchSequenceNumber>2</batchSequenceNumber>
<batchSequenceEndOfReply>true</batchSequenceEndOfReply>

<iteratorReferenceURI>http://primecentral.cisco.com?IteratorId=38d83cc3-bf2d-4818-b55f-c4a2604f3311
  </iteratorReferenceURI>
  <timestamp>2013-07-02T12:07:05.475-07:00</timestamp>
</header>
</soap:Header>
<soap:Body>
  <ns4:getInventoryIteratorResponse
    xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
    xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
    xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
    xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
    xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdta/v1"
    xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
    xmlns:ns7="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
    xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
    xmlns:ns9="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
    xmlns:ns10="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
    xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
    xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
    xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
    xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
    xmlns:ns15="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
    xmlns:ns16="http://www.tmforum.org/mtop/nrf/xsd/ftp/v1"
    xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
    xmlns:ns18="http://www.tmforum.org/mtop/nra/xsd/pg/v1"
    xmlns:ns19="http://www.tmforum.org/mtop/nra/xsd/pgp/v1"
    xmlns:ns20="http://www.tmforum.org/mtop/nra/xsd/epg/v1"
    xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/gtp/v1"
    xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/mfd/v1"
    xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/mfdfr/v1"
    xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/mlsn/v1"
    xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/snc/v1"
    xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
    xmlns:ns27="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
    xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
    xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/tpool/v1"
    xmlns:ns30="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
    xmlns:ns31="http://www.tmforum.org/mtop/nrf/xsd/fdfr/v1"
    xmlns:ns32="http://www.tmforum.org/mtop/nrf/xsd/tl/v1"
    xmlns:ns33="http://www.cisco.com/mtop/nrf/xsd/Cisco_dc/v1"
    xmlns:ns34="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
    xmlns:ns35="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
    xmlns:ns36="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
    xmlns:ns37="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
    xmlns:ns38="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
    xmlns:ns39="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
    xmlns:ns40="http://www.tmforum.org/mtop/nrf/xsd/tmd/v1"
```

```
xmlns:ns41="http://www.tmforum.org/mtop/nrf/xsd/os/v1"
xmlns:ns42="http://www.tmforum.org/mtop/fmw/xsd/vob/v1"
xmlns:ns43="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns44="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns45="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns46="http://www.tmforum.org/mtop/fmw/xsd/md/v1"
xmlns:ns47="http://www.tmforum.org/mtop/nrb/xsd/itu/v1"
xmlns:ns48="http://www.tmforum.org/mtop/nra/xsd/com/v1"
xmlns:ns49="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
xmlns:ns50="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns51="http://www.tmforum.org/mtop/nrf/xsd/fdfrroute/v1">
<ns4:inventoryData>
  <ns5:mdList>
    <ns5:md>
      <ns5:Cisco_dcList>
        <ns5:ciscoDCInv>
          <ns5:Cisco_V_hostList>
            <ns5:hostInv>
              <ns5:hostNm>sj0-i6-svr-28.cisco.com</ns5:hostNm>
            </ns5:hostInv>
          </ns5:Cisco_V_hostList>
        </ns5:ciscoDCInv>
      </ns5:Cisco_dcList>
    </ns5:md>
  </ns5:mdList>
</ns4:inventoryData>
</ns4:getInventoryIteratorResponse>
</soap:Body>
```

```
</soap:Envelope>
```

#### Request - getInventoryIterator - Host

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1">
  <soapenv:Header>
    <v1:header>

<v1:iteratorReferenceURI>http://primecentral.cisco.com?IteratorId=95aaabf2-a826-459a-83f8-e36f4eed3cab
    </v1:iteratorReferenceURI>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryIteratorRequest />
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getInventoryIterator - Host

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns51="http://www.tmforum.org/mtop/nrf/xsd/fdfrroute/v1"
      xmlns:ns50="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns49="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
      xmlns:ns48="http://www.tmforum.org/mtop/fmw/xsd/md/v1"
      xmlns:ns47="http://www.tmforum.org/mtop/nrb/xsd/itu/v1"
      xmlns:ns46="http://www.tmforum.org/mtop/nra/xsd/com/v1"
      xmlns:ns45="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns44="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns43="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns42="http://www.tmforum.org/mtop/fmw/xsd/vob/v1"
      xmlns:ns41="http://www.tmforum.org/mtop/nrf/xsd/os/v1"
      xmlns:ns40="http://www.tmforum.org/mtop/nrf/xsd/tmd/v1"
      xmlns:ns39="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns38="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns37="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns36="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns35="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns34="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
      xmlns:ns33="http://www.cisco.com/mtop/nrf/xsd/Cisco_dc/v1"
      xmlns:ns32="http://www.tmforum.org/mtop/nrf/xsd/tl/v1"
      xmlns:ns31="http://www.tmforum.org/mtop/nrf/xsd/fdf/v1"
      xmlns:ns30="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
      xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/tpool/v1"
      xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
      xmlns:ns27="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
      xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/snc/v1"
      xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/mlsn/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/mfdf/v1"
      xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/mfd/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/gtp/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/nra/xsd/epg/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/nra/xsd/pgp/v1"
      xmlns:ns18="http://www.tmforum.org/mtop/nra/xsd/pg/v1"
      xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
      xmlns:ns16="http://www.tmforum.org/mtop/nrf/xsd/ftp/v1"
      xmlns:ns15="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
```

```
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
xmlns:ns9="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdta/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1">
<activityName>getInventoryIterator</activityName>
<msgName>getInventoryIteratorResponse</msgName>
<msgType>RESPONSE</msgType>
<activityStatus>SUCCESS</activityStatus>
<priority>HIGH - modified by Prime Central Inventory</priority>
<communicationPattern>SimpleResponse</communicationPattern>
<communicationStyle>RPC</communicationStyle>
<requestedBatchSize>2</requestedBatchSize>
<batchSequenceNumber>2</batchSequenceNumber>
<batchSequenceEndOfReply>true</batchSequenceEndOfReply>
<iteratorReferenceURI>
http://primecentral.cisco.com?IteratorId=95aaabf2-a826-459a-83f8-e36f4eed3cab
</iteratorReferenceURI>
<timestamp>2013-07-05T11:52:13.485-07:00</timestamp>
</header>
</soap:Header>
<soap:Body>
<ns4:getInventoryIteratorResponse
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdta/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns7="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns8="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns9="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrf/xsd/Cisco_ME_EQ_Inventory/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/eh/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/eq/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/ptp/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns15="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
xmlns:ns16="http://www.tmforum.org/mtop/nrf/xsd/ftp/v1"
xmlns:ns17="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
xmlns:ns18="http://www.tmforum.org/mtop/nra/xsd/pg/v1"
xmlns:ns19="http://www.tmforum.org/mtop/nra/xsd/pgp/v1"
xmlns:ns20="http://www.tmforum.org/mtop/nra/xsd/epg/v1"
xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/gtp/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/mfd/v1"
xmlns:ns23="http://www.tmforum.org/mtop/nrf/xsd/mfdfr/v1"
xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/mlsn/v1"
xmlns:ns25="http://www.tmforum.org/mtop/nrf/xsd/snc/v1"
xmlns:ns26="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
xmlns:ns27="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/tpool/v1"
xmlns:ns30="http://www.tmforum.org/mtop/nrf/xsd/fd/v1"
xmlns:ns31="http://www.tmforum.org/mtop/nrf/xsd/fdfr/v1"
xmlns:ns32="http://www.tmforum.org/mtop/nrf/xsd/tl/v1"
xmlns:ns33="http://www.cisco.com/mtop/nrf/xsd/Cisco_dc/v1"
xmlns:ns34="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
xmlns:ns35="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns36="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns37="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns38="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns39="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns40="http://www.tmforum.org/mtop/nrf/xsd/tmd/v1"
```



```
xmlns:ns41="http://www.tmforum.org/mtop/nrf/xsd/os/v1"
xmlns:ns42="http://www.tmforum.org/mtop/fmw/xsd/vob/v1"
xmlns:ns43="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns44="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns45="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns46="http://www.tmforum.org/mtop/nra/xsd/com/v1"
xmlns:ns47="http://www.tmforum.org/mtop/nrb/xsd/itu/v1"
xmlns:ns48="http://www.tmforum.org/mtop/fmw/xsd/md/v1"
xmlns:ns49="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
xmlns:ns50="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns51="http://www.tmforum.org/mtop/nrf/xsd/fdfroute/v1">
<ns4:inventoryData>
  <ns5:mdList>
    <ns5:md>
      <ns5:Cisco_dcList>
        <ns5:ciscoDCInv>
          <ns5:Cisco_V_hostList>
            <ns5:hostInv>
              <ns5:hostAttrs>
                <ns6:name>
                  <ns3:rdn>
                    <ns3:type>MD</ns3:type>
                    <ns3:value>CISCO_PRIME</ns3:value>
                  </ns3:rdn>
                  <ns3:rdn>
                    <ns3:type>Cisco_DC</ns3:type>
                    <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
                  </ns3:rdn>
                  <ns3:rdn>
                    <ns3:type>Cisco_V_Host</ns3:type>
                    <ns3:value>sjo-i6-svr-28.cisco.com</ns3:value>
                  </ns3:rdn>
                </ns6:name>
                <ns6:discoveredName>sjo-i6-svr-28.cisco.com</ns6:discoveredName>
                <ns34:description>VMware ESXi</ns34:description>
                <ns34:management_IP>172.23.217.28</ns34:management_IP>
                <ns34:dnsName>sjo-i6-svr-28</ns34:dnsName>
                <ns34:macAddress>00 25 B5 00 00 1E</ns34:macAddress>
                <ns34:state>Connected</ns34:state>
                <ns34:sysUpTime>2013-06-18T16:21:30.488-07:00</ns34:sysUpTime>
                <ns34:softwareType>VMware ESXi</ns34:softwareType>
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    <ns3:rdn>
      <ns3:type>Cisco_V_Host</ns3:type>
      <ns3:value>sjo-i6-svr-28.cisco.com</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
      <ns3:value>sjo-i6-ds2-lun13</ns3:value>
    </ns3:rdn>
  </ns6:name>
  <ns34:dataStoreName>sjo-i6-ds2-lun13</ns34:dataStoreName>
  <ns34:associateEntry>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
    </ns3:rdn>
```



```
<ns3:rdn>
  <ns3:type>Cisco_V_DataStore</ns3:type>
  <ns3:value>sjo-i6-ds2-lun13</ns3:value>
</ns3:rdn>
</ns34:associateEntry>
<ns34:mountPoint>
/vmfs/volumes/518da8a8-de45caa8-77a9-0025b500001e</ns34:mountPoint>
<ns34:isdataAccessible>true</ns34:isdataAccessible>
</ns34:Cisco_V_StoreAlloc>
<ns34:Cisco_V_StoreAlloc>
  <ns6:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_Host</ns3:type>
      <ns3:value>sjo-i6-svr-28.cisco.com</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
      <ns3:value>sjo-i6-ds2-lun14</ns3:value>
    </ns3:rdn>
  </ns6:name>
<ns34:dataStoreName>sjo-i6-ds2-lun14</ns34:dataStoreName>
<ns34:associateEntry>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_DC</ns3:type>
    <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_DataStore</ns3:type>
    <ns3:value>sjo-i6-ds2-lun14</ns3:value>
  </ns3:rdn>
</ns34:associateEntry>
<ns34:mountPoint>
/vmfs/volumes/518da921-b2298b80-9f69-0025b500001e</ns34:mountPoint>
<ns34:isdataAccessible>true</ns34:isdataAccessible>
</ns34:Cisco_V_StoreAlloc>
<ns34:Cisco_V_StoreAlloc>
  <ns6:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_Host</ns3:type>
      <ns3:value>sjo-i6-svr-28.cisco.com</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
      <ns3:value>sjo-i6-ds2-lun12</ns3:value>
    </ns3:rdn>
  </ns6:name>
<ns34:dataStoreName>sjo-i6-ds2-lun12</ns34:dataStoreName>
<ns34:associateEntry>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
```

```
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
    </ns3:rdn>
  </ns3:rdn>
  <ns3:type>Cisco_V_DataStore</ns3:type>
  <ns3:value>sjo-i6-ds2-lun12</ns3:value>
</ns3:rdn>
</ns34:associateEntry>

<ns34:mountPoint>/vmfs/volumes/518da834-bb357ea7-8560-0025b500001e</ns34:mountPoint>
  <ns34:isdataAccessible>true</ns34:isdataAccessible>
</ns34:isdataAccessible>
</ns34:Cisco_V_StoreAlloc>
<ns34:Cisco_V_StoreAlloc>
  <ns6:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
  </ns3:rdn>
  <ns3:type>Cisco_DC</ns3:type>
  <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
</ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_Host</ns3:type>
    <ns3:value>sjo-i6-svr-28.cisco.com</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
    <ns3:value>sjo-i6-ds2-lun9</ns3:value>
  </ns3:rdn>
</ns6:name>
<ns34:dataStoreName>sjo-i6-ds2-lun9</ns34:dataStoreName>
<ns34:associateEntry>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_DC</ns3:type>
    <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_DataStore</ns3:type>
    <ns3:value>sjo-i6-ds2-lun9</ns3:value>
  </ns3:rdn>
</ns34:associateEntry>
<ns34:mountPoint>
  /vmfs/volumes/518da6ac-0cb0db3e-ae28-0025b500001e</ns34:mountPoint>
  <ns34:isdataAccessible>true</ns34:isdataAccessible>
</ns34:isdataAccessible>
</ns34:Cisco_V_StoreAlloc>
<ns34:Cisco_V_StoreAlloc>
  <ns6:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
  </ns3:rdn>
  <ns3:type>Cisco_DC</ns3:type>
  <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
</ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_Host</ns3:type>
    <ns3:value>sjo-i6-svr-28.cisco.com</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
    <ns3:value>sjo-i6-ds2-lun2</ns3:value>
  </ns3:rdn>
</ns6:name>
</ns34:Cisco_V_StoreAlloc>
</ns34:Cisco_V_StoreAlloc>
```

```
        </ns3:rdn>
      </ns6:name>
      <ns34:dataStoreName>sjo-i6-ds2-lun2</ns34:dataStoreName>
      <ns34:associateEntry>
        <ns3:rdn>
          <ns3:type>MD</ns3:type>
          <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_DC</ns3:type>
          <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_V_DataStore</ns3:type>
          <ns3:value>sjo-i6-ds2-lun2</ns3:value>
        </ns3:rdn>
      </ns34:associateEntry>
    </ns34:mountPoint>/vmfs/volumes/518d33e4-cdd0db03-2a80-0025b500007f</ns34:mountPoint>
    <ns34:isdataAccessible>true</ns34:isdataAccessible>
    </ns34:Cisco_V_StoreAlloc>
  </ns34:dataStoreAllocation>
  <ns34:vNetwkIntfList>
    <ns35:Cisco_V_tp>
      <ns6:name>
        <ns3:rdn>
          <ns3:type>MD</ns3:type>
          <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_DC</ns3:type>
          <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_V_Host</ns3:type>
          <ns3:value>sjo-i6-svr-28.cisco.com</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_V_networkTP</ns3:type>
          <ns3:value>vmnic1</ns3:value>
        </ns3:rdn>
      </ns6:name>
      <ns35:macAddress>00 25 B5 00 00 0E</ns35:macAddress>
      <ns35:mtuSize>0</ns35:mtuSize>
      <ns35:operState>Up</ns35:operState>
    </ns35:Cisco_V_tp>
    <ns35:Cisco_V_tp>
      <ns6:name>
        <ns3:rdn>
          <ns3:type>MD</ns3:type>
          <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_DC</ns3:type>
          <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_V_Host</ns3:type>
          <ns3:value>sjo-i6-svr-28.cisco.com</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_V_networkTP</ns3:type>
          <ns3:value>vmk1</ns3:value>
        </ns3:rdn>
      </ns6:name>
      <ns35:ipAddress>10.0.2.28</ns35:ipAddress>
      <ns35:macAddress>00 50 56 78 9E C5</ns35:macAddress>
      <ns35:mtuSize>1500</ns35:mtuSize>
    </ns35:Cisco_V_tp>
  </ns35:Cisco_V_tp>
```

```
<ns6:name>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_DC</ns3:type>
    <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_Host</ns3:type>
    <ns3:value>sjo-i6-svr-28.cisco.com</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_networkTP</ns3:type>
    <ns3:value>vmk0</ns3:value>
  </ns3:rdn>
</ns6:name>
<ns35:ipAddress>172.23.217.28</ns35:ipAddress>
<ns35:macAddress>00 25 B5 00 00 1E</ns35:macAddress>
<ns35:mtuSize>1500</ns35:mtuSize>
</ns35:Cisco_V_tp>
<ns35:Cisco_V_tp>
  <ns6:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_Host</ns3:type>
      <ns3:value>sjo-i6-svr-28.cisco.com</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_networkTP</ns3:type>
      <ns3:value>vmnic0</ns3:value>
    </ns3:rdn>
  </ns6:name>
  <ns35:macAddress>00 25 B5 00 00 1E</ns35:macAddress>
  <ns35:mtuSize>0</ns35:mtuSize>
  <ns35:operState>Up</ns35:operState>
</ns35:Cisco_V_tp>
</ns34:vNetwkIntfList>
<ns37:vMotionEnabled>true</ns37:vMotionEnabled>
<ns37:evcMode>Disabled</ns37:evcMode>
<ns37:hypervisorProperty>
  <ns37:hypervisorType>ESXi 5.0.0</ns37:hypervisorType>
  <ns37:name>VMware ESXi</ns37:name>
  <ns37:description>VMware ESXi 5.0.0 build-623860</ns37:description>
  <ns37:softwareType>Hypervisor</ns37:softwareType>
  <ns37:state>Running</ns37:state>
</ns37:hypervisorProperty>
<ns37:supportingPlatformRef>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>ME</ns3:type>
    <ns3:value>i6-UCS</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>EH</ns3:type>
    <ns3:value>chassis=sys/chassis-2</ns3:value>
  </ns3:rdn>
</ns3:rdn>
<ns3:rdn>
  <ns3:type>EH</ns3:type>
```

```
        <ns3:value>slot=6</ns3:value>
      </ns3:rdn>
    </ns3:rdn>
    <ns3:type>Cisco_ComputeServer</ns3:type>
    <ns3:value>Server</ns3:value>
  </ns3:rdn>
</ns37:supportingPlatformRef>
<ns37:faultToleranceVersion>
2.0.1-3.0.0-3.0.0</ns37:faultToleranceVersion>
<ns37:faultToleranceEnabled>false</ns37:faultToleranceEnabled>
<ns37:processPower>
  <ns37:cpuName>Intel(R) Xeon(R) CPU</ns37:cpuName>
  <ns37:cpuDescription>Intel(R) Xeon(R) CPU E7- 2860 @
    2.27GHz</ns37:cpuDescription>
  <ns37:cpu>2</ns37:cpu>
  <ns37:coresPerCpu>10</ns37:coresPerCpu>
  <ns37:ratedSpeed>
    <ns34:quantity>2.26</ns34:quantity>
    <ns34:unit>GHz</ns34:unit>
  </ns37:ratedSpeed>
  <ns37:usedSpeed>
    <ns34:quantity>2.78</ns34:quantity>
    <ns34:unit>GHz</ns34:unit>
  </ns37:usedSpeed>
  <ns37:hyperThreadEnabled>true</ns37:hyperThreadEnabled>
  <ns37:ramSize>
    <ns34:quantity>191.85</ns34:quantity>
    <ns34:unit>GB</ns34:unit>
  </ns37:ramSize>
</ns37:processPower>
</ns5:hostAttrs>
</ns5:hostInv>
</ns5:Cisco_V_hostList>
</ns5:ciscoDCInv>
</ns5:Cisco_dcList>
</ns5:md>
</ns5:mdList>
</ns4:inventoryData>
</ns4:getInventoryIteratorResponse>
</soap:Body>
</soap:Envelope>
```

## ResourceInventoryRetrieval\_RPC

### getInventoryHostCluster

#### RequestResponse-getInventoryHostCluster

Request - getInventory - HostCluster Names

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryRequest>
      <v11:filter>
        <v11:baseInstance>
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_DC</v12:type>
            <v12:value>i6-vcenter-2--sjo-i6</v12:value>
          </v12:rdn>
        </v11:baseInstance>
        <v11:includedObjectType>
          <v11:objectType>Cisco_V_HostCluster</v11:objectType>
          <v11:granularity>NAME</v11:granularity>
        </v11:includedObjectType>
      </v11:filter>
    </v11:getInventoryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response - getInventory - HostCluster Names

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header />
  <soap:Body>
    <ns4:getInventoryResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdata/v1">
      <ns4:inventoryData>
        <ns5:mdList>
          <ns5:md>
            <ns5:Cisco_dcList>
              <ns5:ciscoDCInv>
                <ns5:Cisco_V_hostClusterList>
                  <ns5:hostClusterInv>
                    <ns5:hostClusterNm>TestCluster</ns5:hostClusterNm>
                  </ns5:hostClusterInv>
                </ns5:Cisco_V_hostClusterList>
              </ns5:ciscoDCInv>
            </ns5:Cisco_dcList>
          </ns5:md>
        </ns5:mdList>
      </ns4:inventoryData>
    </ns4:getInventoryResponse>
  </soap:Body>
</soap:Envelope>
```

Request - getInventory - HostCluster

```

<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryRequest>
      <v11:filter>
        <v11:baseInstance>
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_DC</v12:type>
            <v12:value>i6-vcenter-2--:sjo-i6</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_V_HostCluster</v12:type>
            <v12:value>TestCluster</v12:value>
          </v12:rdn>
        </v11:baseInstance>
        <v11:includedObjectType>
          <v11:objectType>Cisco_V_HostCluster</v11:objectType>
          <v11:granularity>FULL</v11:granularity>
        </v11:includedObjectType>
      </v11:filter>
    </v11:getInventoryRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

#### Response - getInventory - HostCluster

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header />
  <soap:Body>
    <ns4:getInventoryResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdata/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns34="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
      xmlns:ns36="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1">
      <ns4:inventoryData>
        <ns5:mdList>
          <ns5:md>
            <ns5:Cisco_dcList>
              <ns5:ciscoDCInv>
                <ns5:Cisco_V_hostClusterList>
                  <ns5:hostClusterInv>
                    <ns5:hostClusterNm>TestCluster</ns5:hostClusterNm>
                    <ns5:hostClusterAttrs>

```



```

<ns6:name>
  <ns3:rdn>
    <ns3:type>HINTS</ns3:type>
    <ns3:value>TIME:1371753863634;DMLIST:net://net:11,net://net:10
    </ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_DC</ns3:type>
    <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_V_HostCluster</ns3:type>
    <ns3:value>TestCluster</ns3:value>
  </ns3:rdn>
</ns6:name>
<ns6:discoveredName>TestCluster</ns6:discoveredName>
<ns6:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:11</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=i6-vcenter-2)]}
      \[LogicalRoot\]\[Context(ContextName=Defaultcontext)\]
      \[ComputeVirtualization\]
      \[VirtualDataCenter(Name=sjo-i6)\]
      \[HostClusterContainer(Name=sjo-i6)\]
      \[HostCluster(Name=TestCluster)\]}
    </ns2:aliasValue>
  </ns2:alias>
  <ns2:alias>
    <ns2:aliasName>net://net:10</ns2:aliasName>
    <ns2:aliasValue>
      {[ManagedElement(Key=i6-vcenter-2)]}
      [LogicalRoot]
      [Context(ContextName=Defaultcontext)]
      [ComputeVirtualization]
      [VirtualDataCenter(Name=sjo-i6)]
      [HostClusterContainer(Name=sjo-i6)]
      [HostCluster(Name=TestCluster)]
    </ns2:aliasValue>
  </ns2:alias>
</ns6:aliasNameList>
<ns6:vendorExtensions>
  <ns2:nvsList>
    <ns2:nvs>
      <ns2:name>Cisco_vCenter</ns2:name>
      <ns2:value>i6-vcenter-2</ns2:value>
    </ns2:nvs>
  </ns2:nvsList>
</ns6:vendorExtensions>
<ns34:state>Normal</ns34:state>
<ns34:cpuAllocation>
  <ns34:allocatable>
    <ns34:quantity>18.09</ns34:quantity>
    <ns34:unit>GHz</ns34:unit>
  </ns34:allocatable>
  <ns34:guaranteedAllocation>
    <ns34:quantity>0.0</ns34:quantity>
    <ns34:unit>GHz</ns34:unit>
  </ns34:guaranteedAllocation>
  <ns34:isUnlimitedMaxAllocation>
    false</ns34:isUnlimitedMaxAllocation>
</ns34:cpuAllocation>
<ns34:memoryAllocation>
  <ns34:allocatable>
    <ns34:quantity>28.44</ns34:quantity>
    <ns34:unit>GB</ns34:unit>
  </ns34:allocatable>
  <ns34:guaranteedAllocation>

```

```
        <ns34:quantity>0.28</ns34:quantity>
        <ns34:unit>GB</ns34:unit>
    </ns34:guaranteedAllocation>
    <ns34:isUnlimitedMaxAllocation>
        false</ns34:isUnlimitedMaxAllocation>
    </ns34:memoryAllocation>
    <ns36:isHaEnabled>false</ns36:isHaEnabled>
    <ns36:isDrsEnabled>false</ns36:isDrsEnabled>
    <ns36:vmMigrationCount>0</ns36:vmMigrationCount>
    <ns36:isDpmEnabled>false</ns36:isDpmEnabled>
    </ns5:hostClusterAttrs>
    </ns5:hostClusterInv>
    </ns5:Cisco_V_hostClusterList>
    </ns5:ciscoDCInv>
    </ns5:Cisco_dcList>
    </ns5:md>
    </ns5:mdList>
    </ns4:inventoryData>
    </ns4:getInventoryResponse>
</soap:Body>
</soap:Envelope>
```

## ResourceInventoryRetrieval\_RPC

### getInventoryHost

#### RequestResponse-getInventoryVM

Request - getInventory - VM Names

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryRequest>
      <v11:filter>
        <v11:baseInstance>
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_DC</v12:type>
            <v12:value>i6-vcenter-2--sjo-i6</v12:value>
          </v12:rdn>
        </v11:baseInstance>
        <v11:includedObjectType>
          <v11:objectType>Cisco_VM</v11:objectType>
          <v11:granularity>NAME</v11:granularity>
        </v11:includedObjectType>
      </v11:filter>
    </v11:getInventoryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response - getInventory - VM Names

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header />
  <soap:Body>
    <ns4:getInventoryResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdata/v1">
      <ns4:inventoryData>
        <ns5:mdList>
          <ns5:md>
            <ns5:Cisco_vmList>
              <ns5:ciscoVMInv>
                <ns5:vmNm>vm-322</ns5:vmNm>
              </ns5:ciscoVMInv>
            </ns5:Cisco_vmList>
          </ns5:md>
        </ns5:mdList>
      </ns4:inventoryData>
    </ns4:getInventoryResponse>
  </soap:Body>
</soap:Envelope>
```



```
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-210</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-381</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-382</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-269</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-380</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-283</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-247</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-282</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-281</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-280</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-363</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-364</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-261</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-385</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-327</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-386</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-328</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-383</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-365</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-325</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-384</ns5:vmNm>
</ns5:ciscoVMInv>
<ns5:ciscoVMInv>
  <ns5:vmNm>vm-326</ns5:vmNm>
</ns5:ciscoVMInv>
</ns5:Cisco_vmList>
</ns5:md>
</ns5:mdList>
</ns4:inventoryData>
```

```
</ns4:getInventoryResponse>  
</soap:Body>
```

```
</soap:Envelope>
```

#### Request - getInventory - VM

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryRequest>
      <v11:filter>
        <v11:baseInstance>
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_DC</v12:type>
            <v12:value>i6-vcenter-2--:sjo-i6</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_VM</v12:type>
            <v12:value>vm-116</v12:value>
          </v12:rdn>
        </v11:baseInstance>
        <v11:includedObjectType>
          <v11:objectType>Cisco_VM</v11:objectType>
          <v11:granularity>FULL</v11:granularity>
        </v11:includedObjectType>
      </v11:filter>
    </v11:getInventoryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getInventory - VM

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header />
  <soap:Body>
    <ns4:getInventoryResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdata/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns34="http://www.cisco.com/mtop/nrb/xsd/v_rsrcci/v1"
      xmlns:ns39="http://www.cisco.com/mtop/nrf/xsd/vm/v1">
      <ns4:inventoryData>
        <ns5:mdList>
          <ns5:md>
```

```

<ns5:Cisco_vmList>
  <ns5:ciscoVMInv>
    <ns5:vmAttrs>
      <ns6:name>
        <ns3:rdn>
          <ns3:type>HINTS</ns3:type>
          <ns3:value>TIME:1371753835981;DMLIST:net://net:11,net://net:10
          </ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>MD</ns3:type>
          <ns3:value>CISCO_PRIME</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_DC</ns3:type>
          <ns3:value>i6-vcenter-2</ns3:value>
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_VM</ns3:type>
          <ns3:value>vm-116</ns3:value>
        </ns3:rdn>
      </ns6:name>
      <ns6:discoveredName>Prime-R3-24GB-RHEL</ns6:discoveredName>
      <ns6:aliasNameList>
        <ns2:alias>
          <ns2:aliasName>net://net:11</ns2:aliasName>
          <ns2:aliasValue>
            {[ManagedElement(Key=i6-vcenter-2)]\}[LogicalRoot\]
            \[Context(ContextName=Defaultcontext)\]\[ComputeVirtualization\]
            \[VirtualDataCenter(Name=sjo-i6)\]
            \[HostsContainer\]\[Host(Name=sjo-i6-svr-27.cisco.com)\]
            \[VirtualMachine(Name=Prime-R3-24GB-RHEL)(VmID=vm-116)\]}
          </ns2:aliasValue>
        </ns2:alias>
        <ns2:alias>
          <ns2:aliasName>net://net:10</ns2:aliasName>
          <ns2:aliasValue>
            {[ManagedElement(Key=i6-vcenter-2)]\}[LogicalRoot]
            [Context(ContextName=Defaultcontext)]
            [ComputeVirtualization][VirtualDataCenter(Name=sjo-i6)]
            [HostsContainer][Host(Name=sjo-i6-svr-27.cisco.com)]
            [VirtualMachine(Name=Prime-R3-24GB-RHEL)(VmID=vm-116)]}
          </ns2:aliasValue>
        </ns2:alias>
      </ns6:aliasNameList>
      <ns6:vendorExtensions>
        <ns2:nvsList>
          <ns2:nvs>
            <ns2:name>Cisco_vCenter</ns2:name>
            <ns2:value>i6-vcenter-2</ns2:value>
          </ns2:nvs>
        </ns2:nvsList>
      </ns6:vendorExtensions>
      <ns34:state>Powered On</ns34:state>
      <ns34:sysUpTime>2013-02-06T11:24:34.332-08:00</ns34:sysUpTime>
      <ns34:productType>Virtual Machine</ns34:productType>
      <ns34:softwareType>
        Red Hat Enterprise Linux 5 (64-bit)</ns34:softwareType>
      <ns34:softwareVersion>
        Red Hat Enterprise Linux 5 (64-bit)</ns34:softwareVersion>
      <ns34:cpuAllocation>
        <ns34:startUpAllocation>
          <ns34:quantity>0.0</ns34:quantity>
          <ns34:unit>GHz</ns34:unit>
        </ns34:startUpAllocation>
        <ns34:guaranteedAllocation>
          <ns34:quantity>0.0</ns34:quantity>
          <ns34:unit>GHz</ns34:unit>
        </ns34:guaranteedAllocation>
        <ns34:maxAllocation>

```



```
<ns34:quantity>2.4</ns34:quantity>
<ns34:unit>GHz</ns34:unit>
</ns34:maxAllocation>
<ns34:isUnlimitedMaxAllocation>true</ns34:isUnlimitedMaxAllocation>
<ns34:isExpandableAllocation>>false</ns34:isExpandableAllocation>
<ns34:share>Normal</ns34:share>
<ns34:customerShareWeight>1000</ns34:customerShareWeight>
</ns34:cpuAllocation>
<ns34:uuid>5009217d-a180-58e3-db8e-05fef9b4fa4b</ns34:uuid>
<ns34:memoryAllocation>
  <ns34:startUpAllocation>
    <ns34:quantity>24.0</ns34:quantity>
    <ns34:unit>GB</ns34:unit>
  </ns34:startUpAllocation>
  <ns34:guaranteedAllocation>
    <ns34:quantity>0.0</ns34:quantity>
    <ns34:unit>GB</ns34:unit>
  </ns34:guaranteedAllocation>
  <ns34:maxAllocation>
    <ns34:quantity>24.0</ns34:quantity>
    <ns34:unit>GB</ns34:unit>
  </ns34:maxAllocation>
  <ns34:overheadAllocation>
    <ns34:quantity>0.2</ns34:quantity>
    <ns34:unit>GB</ns34:unit>
  </ns34:overheadAllocation>
  <ns34:isUnlimitedMaxAllocation>true</ns34:isUnlimitedMaxAllocation>
  <ns34:isExpandableAllocation>>false</ns34:isExpandableAllocation>
  <ns34:share>Normal</ns34:share>
  <ns34:customerShareWeight>245760</ns34:customerShareWeight>
</ns34:memoryAllocation>
<ns34:dataStoreAllocation>
  <ns34:Cisco_V_StoreAlloc>
    <ns6:name>
      <ns3:rdn>
        <ns3:type>HINTS</ns3:type>
        <ns3:value>TIME:1371753835982;DMLIST:net://net:11
        </ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>MD</ns3:type>
        <ns3:value>CISCO_PRIME</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>Cisco_DC</ns3:type>
        <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>Cisco_VM</ns3:type>
        <ns3:value>vm-116</ns3:value>
      </ns3:rdn>
      <ns3:rdn>
        <ns3:type>Cisco_V_dataStoreAllocation</ns3:type>
        <ns3:value>datastore1 (2)</ns3:value>
      </ns3:rdn>
    </ns6:name>
    <ns34:dataStoreName>datastore1 (2)</ns34:dataStoreName>
  <ns34:associateEntry>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1371753835982;DMLIST:net://net:11
      </ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2-:sjo-i6</ns3:value>
    </ns3:rdn>
  </ns34:associateEntry>
</ns34:dataStoreAllocation>
</ns34:Cisco_V_StoreAlloc>
</ns34:dataStoreAllocation>
```

```
        </ns3:rdn>
        <ns3:rdn>
          <ns3:type>Cisco_V_DataStore</ns3:type>
          <ns3:value>datastore1 (2)</ns3:value>
        </ns3:rdn>
      </ns34:associateEntry>
    </ns34:Cisco_V_StoreAlloc>
  </ns34:dataStoreAllocation>
  <ns34:serviceId>vm-116</ns34:serviceId>
  <ns39:vmVersion>vmx-08</ns39:vmVersion>
  <ns39:virtualCPU>1</ns39:virtualCPU>
  <ns39:minRequiredEVCMMode>N/A</ns39:minRequiredEVCMMode>
  <ns39:supportingHostRef>
    <ns3:rdn>
      <ns3:type>HINTS</ns3:type>
      <ns3:value>TIME:1371753835982;DMLIST:net://net:11
    </ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>i6-vcenter-2--:sjo-i6</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_V_Host</ns3:type>
      <ns3:value>sjo-i6-svr-27.cisco.com</ns3:value>
    </ns3:rdn>
  </ns39:supportingHostRef>
</ns5:vmAttrs>
</ns5:ciscoVMInv>
</ns5:Cisco_vmList>
</ns5:md>
</ns5:mdList>
</ns4:inventoryData>
</ns4:getInventoryResponse>
</soap:Body>
```

```
</soap:Envelope>
```

## MPLS VPN Resource Inventory - Request and Response Examples

### ConnectionRetrievalRPC- Request and Response Examples

#### getInventorySncNames

##### RequestResponse-getInventorySNCNames

Request - getInventory - SNC Names

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <!--Zero or more repetitions:-->
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getInventoryRequest>
      <!--Optional:-->
      <v11:filter>
        <!--Zero or more repetitions:-->
        <v11:baseInstance>
          <!--1 or more repetitions:-->
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
        </v11:baseInstance>
        <!--Optional:-->

        <!--Zero or more repetitions:-->
        <v11:includedObjectType>
          <v11:objectType>SNC</v11:objectType>
          <v11:granularity>NAME</v11:granularity>
        </v11:includedObjectType>
      </v11:filter>
      <!--Optional:-->
    </v11:getInventoryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response - getInventory - SNC Names

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header />
  <soap:Body>
    <ns4:getInventoryResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/mri/xsd/rir/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/nrf/xsd/invdata/v1">
      <ns4:inventoryData>
        <ns5:mdList>
          <ns5:md>
            <ns5:mlsnList>
              <ns5:mlsnInv>
                <ns5:sncList>
                  <ns5:sncInv>
                    <ns5:sncNm> {"dmIdentifier":"net://net:7","vpnId":"4"}
                  </ns5:sncNm>
                </ns5:sncInv>
                <ns5:sncInv>
                  <ns5:sncNm> {"dmIdentifier":"net://net:7","vpnId":"101"}
                </ns5:sncNm>
              </ns5:sncInv>
                <ns5:sncInv>
                  <ns5:sncNm> {"dmIdentifier":"net://net:7","vpnId":"1"}
                </ns5:sncNm>
              </ns5:sncInv>
                <ns5:sncInv>
                  <ns5:sncNm> {"dmIdentifier":"net://net:7","vpnId":"2"}
                </ns5:sncNm>
              </ns5:sncInv>
            </ns5:sncList>
          </ns5:mlsnInv>
        </ns5:mlsnList>
      </ns5:md>
    </ns5:mdList>
  </ns4:inventoryData>
</ns4:getInventoryResponse>
</soap:Body>
</soap:Envelope>

```

## getSubnetworkConnection

### RequestResponse-getSubnetworkConnection

Request - getSubnetworkConnection

```

<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/conr/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <!--Zero or more repetitions:-->
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getSubnetworkConnectionRequest>
      <v11:sncRef>
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>MLSN</v12:type>
          <v12:value>PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>SNC</v12:type>
          <v12:value>1</v12:value>
        </v12:rdn>
      </v11:sncRef>
    </v11:getSubnetworkConnectionRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

#### Response - getSubnetworkConnection

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header />
  <soap:Body>
    <ns5:getSubnetworkConnectionResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/mri/xsd/conr/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns9="http://www.tmforum.org/mtop/nrf/xsd/snc/v1"
      xmlns:ns10="http://www.tmforum.org/mtop/nrf/xsd/tpdata/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
      xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
      xmlns:ns13="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns14="http://www.cisco.com/mtop/nrb/xsd/v_rsrcki/v1"
      xmlns:ns15="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns18="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns19="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns20="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns21="http://www.tmforum.org/mtop/nrf/xsd/ctp/v1"
      xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns23="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
    >

```

```

xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns25="http://www.cisco.com/mtop/nrb/xsd/Cisco_MPLS-VPN_LP/v1"
xmlns:ns26="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns27="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1">
<ns5:snc>
  <ns7:name>
    <ns4:rdn>
      <ns4:type>HINTS</ns4:type>
      <ns4:value>TIME:1371757769556;DMLIST:net://net:7</ns4:value>
    </ns4:rdn>
    <ns4:rdn>
      <ns4:type>MD</ns4:type>
      <ns4:value>CISCO_PRIME</ns4:value>
    </ns4:rdn>
    <ns4:rdn>
      <ns4:type>MLSN</ns4:type>
      <ns4:value>Prime Network</ns4:value>
    </ns4:rdn>
    <ns4:rdn>
      <ns4:type>SNC</ns4:type>
      <ns4:value> { "dmIdentifier": "net://net:7", "vpnId": "1" }
    </ns4:rdn>
  </ns7:name>
  <ns7:discoveredName>V176:HelloWorld1</ns7:discoveredName>
  <ns7:aliasNameList>
    <ns2:alias>
      <ns2:aliasName>net://net:7</ns2:aliasName>
      <ns2:aliasValue> {[Vpn(Id=1)\]}
    </ns2:alias>
  </ns7:aliasNameList>
  <ns7:vendorExtensions>
    <ns25:Cisco_MPLS-VPNAttrName>
      <ns25:Route_NameRefList>
        <ns25:VRF_Name>
          <ns4:rdn>
            <ns4:type>HINTS</ns4:type>
            <ns4:value>TIME:1371757769556;DMLIST:net://net:7</ns4:value>
          </ns4:rdn>
          <ns4:rdn>
            <ns4:type>MD</ns4:type>
            <ns4:value>CISCO_PRIME</ns4:value>
          </ns4:rdn>
          <ns4:rdn>
            <ns4:type>ME</ns4:type>
            <ns4:value>ASR9K-AGG1</ns4:value>
          </ns4:rdn>
          <ns4:rdn>
            <ns4:type>Cisco_V_Route</ns4:type>
            <ns4:value>V176:HelloWorld1</ns4:value>
          </ns4:rdn>
        </ns25:VRF_Name>
      </ns25:Route_NameRefList>
    </ns25:Cisco_MPLS-VPNAttrName>
  </ns7:vendorExtensions>
  <ns9:direction>CD_BI</ns9:direction>
  <ns9:layerRate>Cisco_LR_MPLS-VPN</ns9:layerRate>
  <ns9:aEndTpDataList>
    <ns10:tpData>
      <ns10:tpRef>
        <ns4:rdn>
          <ns4:type>HINTS</ns4:type>
          <ns4:value>TIME:1371757769556;DMLIST:net://net:7</ns4:value>
        </ns4:rdn>
        <ns4:rdn>
          <ns4:type>MD</ns4:type>
          <ns4:value>CISCO_PRIME</ns4:value>
        </ns4:rdn>
      </ns10:tpRef>
    </ns10:tpData>
  </ns9:aEndTpDataList>

```

```
<ns4:type>ME</ns4:type>
<ns4:value>ASR9K-AGG1</ns4:value>
</ns4:rdn>
<ns4:rdn>
  <ns4:type>CTP</ns4:type>
  <ns4:value>BVI678</ns4:value>
</ns4:rdn>
</ns10:tpRef>
<ns11:transmissionParametersList>
  <ns11:transmissionParameters>
    <ns11:layerRate>Cisco_LR_MPLS-VPN</ns11:layerRate>
    <ns11:vendorExtensions>
      <ns25:Cisco_MPLS-VPNCTPAttrName>
        <ns25:ipAddress>11.1.1.1</ns25:ipAddress>
        <ns25:subNetMask>255.255.255.252</ns25:subNetMask>
        <ns25:aliasNameList>
          <ns2:alias>
            <ns2:aliasName>net://net:7</ns2:aliasName>
            <ns2:aliasValue>
              {[ManagedElement(Key=ASR9K-AGG1)\]
              \[LogicalRoot\]\[FWComponentContainer(Type=3)\]
              \[Vrf(VrfName=V176:HelloWorld1)\]
              \[IpInterface(IpInterfaceName=BVI678)\]}
            </ns2:aliasValue>
          </ns2:alias>
        </ns25:aliasNameList>
      </ns25:Cisco_MPLS-VPNCTPAttrName>
    </ns11:vendorExtensions>
  </ns11:transmissionParameters>
</ns11:transmissionParametersList>
</ns10:tpData>
</ns9:aEndTpDataList>
<ns9:correlationIdentifier>V176:HelloWorld1</ns9:correlationIdentifier>
<ns9:callName>V176:HelloWorld1</ns9:callName>
<ns9:connectionId>V176:HelloWorld1</ns9:connectionId>
</ns5:snc>
</ns5:getSubnetworkConnectionResponse>
</soap:Body>
</soap:Envelope>
```

## getSubnetworkConnectionRoute

### RequestResponse-getSubnetworkConnectionRoute

#### Request - getRoute

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.tmforum.org/mtop/mri/xsd/conr/v1"
  xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <v1:msgSpecificProperties>
        <v1:property>
          <v1:propName>inventoryFromDm</v1:propName>
          <v1:propValue>true</v1:propValue>
        </v1:property>
      </v1:msgSpecificProperties>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getRouteRequest>
      <v11:sncRef>
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>MLSN</v12:type>
          <v12:value>PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>SNC</v12:type>
          <v12:value>1</v12:value>
        </v12:rdn>
      </v11:sncRef>
      <v11:isHigherOrderCcListIncluded?></v11:isHigherOrderCcListIncluded>
    </v11:getRouteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response - getRoute

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header />
  <soap:Body>
    <ns5:getRouteResponse
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/mri/xsd/conr/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns:ns3="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns24="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
      xmlns:ns25="http://www.cisco.com/mtop/nrb/xsd/Cisco_MPLS-VPN_LP/v1">
      <ns5:route>
        <ns24:ccList>
          <ns3:cc>
            <ns3:direction>CD_BI</ns3:direction>
          </ns3:cc>
        </ns24:ccList>
      </ns5:route>
    </ns5:getRouteResponse>
  </soap:Body>
</soap:Envelope>
```



```
<ns3:aEndRefList>
  <ns3:aEndName>
    <ns4:rdn>
      <ns4:type>HINTS</ns4:type>
      <ns4:value>TIME:1371757800698;DMLIST:net://net:7</ns4:value>
    </ns4:rdn>
    <ns4:rdn>
      <ns4:type>MD</ns4:type>
      <ns4:value>CISCO_PRIME</ns4:value>
    </ns4:rdn>
    <ns4:rdn>
      <ns4:type>ME</ns4:type>
      <ns4:value>ASR9K-AGG1</ns4:value>
    </ns4:rdn>
    <ns4:rdn>
      <ns4:type>CTP</ns4:type>
      <ns4:value>BVI678</ns4:value>
    </ns4:rdn>
  </ns3:aEndName>
</ns3:aEndRefList>
<ns3:connectionId>V176:HelloWorld1</ns3:connectionId>
<ns3:vendorExtensions>
  <ns25:Cisco_MPLS-VPNRouteAttrName>
    <ns25:VRF_Name>
      <ns4:rdn>
        <ns4:type>HINTS</ns4:type>
        <ns4:value>TIME:1371757800698;DMLIST:net://net:7</ns4:value>
      </ns4:rdn>
      <ns4:rdn>
        <ns4:type>MD</ns4:type>
        <ns4:value>CISCO_PRIME</ns4:value>
      </ns4:rdn>
      <ns4:rdn>
        <ns4:type>MLSN</ns4:type>
        <ns4:value>Prime Network</ns4:value>
      </ns4:rdn>
      <ns4:rdn>
        <ns4:type>ME</ns4:type>
        <ns4:value>ASR9K-AGG1</ns4:value>
      </ns4:rdn>
      <ns4:rdn>
        <ns4:type>Cisco_V_Route</ns4:type>
        <ns4:value>V176:HelloWorld1</ns4:value>
      </ns4:rdn>
    </ns25:VRF_Name>
    <ns25:VRF_RouteDistinguisher>10:694</ns25:VRF_RouteDistinguisher>
    <ns25:VRF_AddrFamilyList>
      <ns25:Cisco_VRF_AddrFamily>
        <ns25:Route_AddrFamilyType_Enum>1</ns25:Route_AddrFamilyType_Enum>
        <ns25:Cisco_Import_RouteTargetRefList>
          <ns25:Cisco_RouteTarget>10:520</ns25:Cisco_RouteTarget>
          <ns25:Cisco_RouteTarget>10:519</ns25:Cisco_RouteTarget>
        </ns25:Cisco_Import_RouteTargetRefList>
        <ns25:Cisco_Export_RouteTargetRefList>
          <ns25:Cisco_RouteTarget>10:519</ns25:Cisco_RouteTarget>
        </ns25:Cisco_Export_RouteTargetRefList>
      </ns25:Cisco_VRF_AddrFamily>
    </ns25:VRF_AddrFamilyList>
    <ns25:VRF_RouteTable>
      <ns25:Cisco_VRF_Route>
        <ns25:Routing_ProtocolType_Enum>BGP</ns25:Routing_ProtocolType_Enum>
        <ns25:Route_Type>INDIRECT</ns25:Route_Type>
        <ns25:Route_BgpNextHop>10.15.15.16</ns25:Route_BgpNextHop>
        <ns25:Route_Dest_IP>11.1.3.0</ns25:Route_Dest_IP>
        <ns25:Route_DestIp_Mask>255.255.255.252</ns25:Route_DestIp_Mask>
        <ns25:Route_Dest_prefixLength>30</ns25:Route_Dest_prefixLength>
        <ns25:Route_Outer_label>16031</ns25:Route_Outer_label>
        <ns25:Route_Bottom_In_Label>-2147483648</ns25:Route_Bottom_In_Label>
        <ns25:Route_Bottom_Out_Label>10075</ns25:Route_Bottom_Out_Label>
      </ns25:Cisco_VRF_Route>
    </ns25:VRF_RouteTable>
  </ns25:Cisco_MPLS-VPNRouteAttrName>
</ns3:vendorExtensions>

```

```
</ns25:VRF_RouteTable>
<ns25:aliasNameList>
  <ns2:alias>
    <ns2:aliasName>net://net:7</ns2:aliasName>
    <ns2:aliasValue>
```

```
{\ManagedElement(Key=ASR9K-AGG1)\}\LogicalRoot\}\FWComponentContainer(Type=3)\}\Vrf(VrfName=V176:Hell
```

```
    </ns2:aliasValue>
  </ns2:alias>
</ns25:aliasNameList>
</ns25:Cisco_MPLS-VPNRouteAttrName>
</ns3:vendorExtensions>
</ns3:cc>
</ns24:ccList>
</ns5:route>
</ns5:getRouteResponse>
</soap:Body>
```

```
</soap:Envelope>
```

## **Customer and Service Management - Request and Response Examples**

### **CiscoCustomerProvision\_RPC - Request and Response Examples**

**createCustomer**

**Request-createCustomer**

```

<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
  xmlns:v11="http://www.cisco.com/mtop/msi/xsd/cp/v1"
  xmlns:v12="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
  xmlns:v13="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
  xmlns:v14="http://www.tmforum.org/mtop/fmw/xsd/gen/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:createCustomerRequest>
      <v11:customer>
        <v12:status>ENABLED</v12:status>
        <v12:name>testCust</v12:name>
        <!--Optional: -->
        <v12:companyName>testComp</v12:companyName>
        <!--Optional: -->
        <v12:emailAddress>testCust@testComp</v12:emailAddress>
        <!--Optional: -->
        <v12:description>testCust desc </v12:description>
        <!--Optional: -->
        <v12:headquarters>SJC</v12:headquarters>
        <!--Optional: -->
        <v12:industry>SW</v12:industry>
        <!--Optional: -->
        <v12:url>http://testComp.com/testCust</v12:url>
        <!--Optional: -->
        <v12:contact>408-000-0007</v12:contact>
        <!--Optional: -->
        <v12:products>PC,PN,PPM,PP,PO</v12:products>
        <!--Optional: -->
        <v12:stockSymbol>CS</v12:stockSymbol>
        <!--Optional: -->
        <v12:phone>408-000-0001</v12:phone>
        <!--Optional: -->
        <v12:note>note for testCust</v12:note>
        <!--Optional: base64encoded image text -->
        <v12:logo>
iVBORw0KGgoAAAANSUUhEUgAAAAUAAAACFAYAAACNbyblAAAAHElEQVQI12P4//8/w38GIAXDIBKE0DHxgljdnBBAAO9TXL0Y4OHwAAAAABJF
<!--Optional: -->
        <v12:anyNameValList>
          <!--Zero or more repetitions: -->
          <v14:nvs>
            <v14:name>testExtraName</v14:name>
            <v14:value>testExtraValue</v14:value>
          </v14:nvs>
        </v12:anyNameValList>
      </v11:customer>
    </v11:createCustomerRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response-createCustomer

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header
      xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
      xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
      xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
      xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
      xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
      xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
      xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
      xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
      xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
      xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrcki/v1"
      xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
      xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
      xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
      xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
      xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
      xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
      xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1" />
    </soap:Header>
    <soap:Body>
      <ns3:createCustomerResponse
        xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
        xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
        xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
        xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
        xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
        xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
        xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
        xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
        xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
        xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrcki/v1"
        xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
        xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
        xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
        xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
        xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
        xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
        xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
        xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
        xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1">
        <ns3:customerId>
          <ns5:rdn>
            <ns5:type>MD</ns5:type>
            <ns5:value>CISCO_PRIME</ns5:value>
          </ns5:rdn>
          <ns5:rdn>
            <ns5:type>Cisco_Customer</ns5:type>
            <ns5:value>213</ns5:value>
          </ns5:rdn>
        </ns3:customerId>
        <ns3:success>true</ns3:success>
      </ns3:createCustomerResponse>
    </soap:Body>
  </soap:Envelope>

```

## getAllCustomerIDs

### Request-getAllCustomerIDs

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:v11="http://www.cisco.com/mtop/msi/xsd/cp/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getAllCustomerIDsRequest>
    </v11:getAllCustomerIDsRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response-getAllCustomerIDs

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.cisco.com/mtop/sb/xsd/svc/v1"
xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"/>
  </soap:Header>
  <soap:Body>
    <ns3:getAllCustomerIDsResponse xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1">
      <ns3:cisco_customerIDList>
        <ns3:customerID>
          <ns5:rdn>
            <ns5:type>MD</ns5:type>
            <ns5:value>CISCO_PRIME</ns5:value>
          </ns5:rdn>
          <ns5:rdn>
            <ns5:type>Cisco_Customer</ns5:type>
            <ns5:value>213</ns5:value>
          </ns5:rdn>
        </ns3:customerID>
      </ns3:cisco_customerIDList>
    </ns3:getAllCustomerIDsResponse>
  </soap:Body>
</soap:Envelope>

```

```
</ns5:rdn>
</ns3:customerId>
<ns3:customerId>
  <ns5:rdn>
    <ns5:type>MD</ns5:type>
    <ns5:value>CISCO_PRIME</ns5:value>
  </ns5:rdn>
  <ns5:rdn>
    <ns5:type>Cisco_Customer</ns5:type>
    <ns5:value>113</ns5:value>
  </ns5:rdn>
</ns3:customerId>
<ns3:customerId>
  <ns5:rdn>
    <ns5:type>MD</ns5:type>
    <ns5:value>CISCO_PRIME</ns5:value>
  </ns5:rdn>
  <ns5:rdn>
    <ns5:type>Cisco_Customer</ns5:type>
    <ns5:value>204</ns5:value>
  </ns5:rdn>
</ns3:customerId>
<ns3:customerId>
  <ns5:rdn>
    <ns5:type>MD</ns5:type>
    <ns5:value>CISCO_PRIME</ns5:value>
  </ns5:rdn>
  <ns5:rdn>
    <ns5:type>Cisco_Customer</ns5:type>
    <ns5:value>207</ns5:value>
  </ns5:rdn>
</ns3:customerId>
<ns3:customerId>
  <ns5:rdn>
    <ns5:type>MD</ns5:type>
    <ns5:value>CISCO_PRIME</ns5:value>
  </ns5:rdn>
  <ns5:rdn>
    <ns5:type>Cisco_Customer</ns5:type>
    <ns5:value>81</ns5:value>
  </ns5:rdn>
</ns3:customerId>
<ns3:customerId>
  <ns5:rdn>
    <ns5:type>MD</ns5:type>
    <ns5:value>CISCO_PRIME</ns5:value>
  </ns5:rdn>
  <ns5:rdn>
    <ns5:type>Cisco_Customer</ns5:type>
    <ns5:value>84</ns5:value>
  </ns5:rdn>
</ns3:customerId>
<ns3:customerId>
  <ns5:rdn>
    <ns5:type>MD</ns5:type>
    <ns5:value>CISCO_PRIME</ns5:value>
  </ns5:rdn>
  <ns5:rdn>
    <ns5:type>Cisco_Customer</ns5:type>
    <ns5:value>87</ns5:value>
  </ns5:rdn>
</ns3:customerId>
</ns3:cisco_customerIDList>
</ns3:getAllCustomerIDsResponse>
```

```
</soap:Body>
</soap:Envelope>
```

## getAllCustomers

### Request-getAllCustomers

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:v11="http://www.cisco.com/mtop/msi/xsd/cp/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getAllCustomersRequest>
    </v11:getAllCustomersRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response-getAllCustomers

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"/>
  </soap:Header>
  <soap:Body>
    <ns3:getAllCustomersResponse xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsci/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1">
```



```
<ns3:customerList>
  <ns3:cisco_customer>
    <ns4:status>ENABLED</ns4:status>
    <ns4:name>testCust</ns4:name>
    <ns4:uid>
      <ns5:rdn>
        <ns5:type>MD</ns5:type>
        <ns5:value>CISCO_PRIME</ns5:value>
      </ns5:rdn>
      <ns5:rdn>
        <ns5:type>Cisco_Customer</ns5:type>
        <ns5:value>213</ns5:value>
      </ns5:rdn>
    </ns4:uid>
    <ns4:description>testCustU desc 111</ns4:description>
  </ns3:cisco_customer>
  <ns3:cisco_customer>
    <ns4:status>ENABLED</ns4:status>
    <ns4:name>custModifyTestX</ns4:name>
    <ns4:uid>
      <ns5:rdn>
        <ns5:type>MD</ns5:type>
        <ns5:value>CISCO_PRIME</ns5:value>
      </ns5:rdn>
      <ns5:rdn>
        <ns5:type>Cisco_Customer</ns5:type>
        <ns5:value>113</ns5:value>
      </ns5:rdn>
    </ns4:uid>
    <ns4:description>description of custModifyTestX</ns4:description>
  </ns3:cisco_customer>
  <ns3:cisco_customer>
    <ns4:status>ENABLED</ns4:status>
    <ns4:name>custModifyTest</ns4:name>
    <ns4:uid>
      <ns5:rdn>
        <ns5:type>MD</ns5:type>
        <ns5:value>CISCO_PRIME</ns5:value>
      </ns5:rdn>
      <ns5:rdn>
        <ns5:type>Cisco_Customer</ns5:type>
        <ns5:value>204</ns5:value>
      </ns5:rdn>
    </ns4:uid>
    <ns4:description>description of custModifyTest</ns4:description>
  </ns3:cisco_customer>
  <ns3:cisco_customer>
    <ns4:status>ENABLED</ns4:status>
    <ns4:name>custModifyTestMod</ns4:name>
    <ns4:uid>
      <ns5:rdn>
        <ns5:type>MD</ns5:type>
        <ns5:value>CISCO_PRIME</ns5:value>
      </ns5:rdn>
      <ns5:rdn>
        <ns5:type>Cisco_Customer</ns5:type>
        <ns5:value>207</ns5:value>
      </ns5:rdn>
    </ns4:uid>
    <ns4:description>description of custModifyTestMod</ns4:description>
  </ns3:cisco_customer>
  <ns3:cisco_customer>
    <ns4:status>ENABLED</ns4:status>
    <ns4:name>craFool</ns4:name>
    <ns4:uid>
      <ns5:rdn>
        <ns5:type>MD</ns5:type>
        <ns5:value>CISCO_PRIME</ns5:value>
      </ns5:rdn>
      <ns5:rdn>

```

```
        <ns5:type>Cisco_Customer</ns5:type>
        <ns5:value>81</ns5:value>
    </ns5:rdn>
</ns4:uid>
    <ns4:description>description of craFoo1</ns4:description>
</ns3:cisco_customer>
<ns3:cisco_customer>
    <ns4:status>ENABLED</ns4:status>
    <ns4:name>craFoo2</ns4:name>
    <ns4:uid>
        <ns5:rdn>
            <ns5:type>MD</ns5:type>
            <ns5:value>CISCO_PRIME</ns5:value>
        </ns5:rdn>
        <ns5:rdn>
            <ns5:type>Cisco_Customer</ns5:type>
            <ns5:value>84</ns5:value>
        </ns5:rdn>
    </ns4:uid>
    <ns4:description>description of craFoo2</ns4:description>
</ns3:cisco_customer>
<ns3:cisco_customer>
    <ns4:status>ENABLED</ns4:status>
    <ns4:name>craFoo3</ns4:name>
    <ns4:uid>
        <ns5:rdn>
            <ns5:type>MD</ns5:type>
            <ns5:value>CISCO_PRIME</ns5:value>
        </ns5:rdn>
        <ns5:rdn>
            <ns5:type>Cisco_Customer</ns5:type>
            <ns5:value>87</ns5:value>
        </ns5:rdn>
    </ns4:uid>
    <ns4:description>description of craFoo3</ns4:description>
</ns3:cisco_customer>
</ns3:customerList>
</ns3:getAllCustomersResponse>
```

```
</soap:Body>
</soap:Envelope>
```

## getCustomer

### Request-getCustomer

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:v11="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getCustomerRequest>
      <v11:customerId>
        <!--1 or more repetitions:-->
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>Cisco_Customer</v12:type>
          <v12:value>213</v12:value>
        </v12:rdn>
      </v11:customerId>
    </v11:getCustomerRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response-getCustomer

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"/>
  </soap:Header>
  <soap:Body>
    <ns3:getCustomerResponse xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
```

```
xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrsrci/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiecpt/v1">
  <ns3:customer>
    <ns4:status>ENABLED</ns4:status>
    <ns4:name>testCust</ns4:name>
    <ns4:uid>
      <ns5:rdn>
        <ns5:type>MD</ns5:type>
        <ns5:value>CISCO_PRIME</ns5:value>
      </ns5:rdn>
      <ns5:rdn>
        <ns5:type>Cisco_Customer</ns5:type>
        <ns5:value>213</ns5:value>
      </ns5:rdn>
    </ns4:uid>
    <ns4:companyName>testCompU111</ns4:companyName>
    <ns4:emailAddress>testCustU111@testComp</ns4:emailAddress>
    <ns4:description>testCustU desc 111</ns4:description>
    <ns4:headquarters>SJC111</ns4:headquarters>
    <ns4:industry>SWU111</ns4:industry>
    <ns4:url>http://testComp.com/testCustU111</ns4:url>
    <ns4:contact>408-000-0007</ns4:contact>
    <ns4:products>PC,PN,PPM,PP,POD111</ns4:products>
    <ns4:stockSymbol>CS111</ns4:stockSymbol>
    <ns4:phone>408-000-0001</ns4:phone>
    <ns4:note>note for testCustU111</ns4:note>

<ns4:logo>iVBORw0KGgoAAAANSUheUgAAAAUAAAFCAyAAACNbyblAAAAHE1EQVQI12P4//8/w38GIAXDIBKE0DHxgljNBAAO9TXL0Y4
<ns4:anyNameValList>
  <ns2:nvs>
    <ns2:name>testExtraNameU111</ns2:name>
    <ns2:value>testExtraValueU111</ns2:value>
  </ns2:nvs>
</ns4:anyNameValList>
</ns3:customer>
</ns3:getCustomerResponse>
```

```
</soap:Body>  
</soap:Envelope>
```

**modifyCustomer**

**Request-modifyCustomer**

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:v11="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:v12="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:v13="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:v14="http://www.tmforum.org/mtop/fmw/xsd/gen/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:modifyCustomerRequest>
      <v11:customer>
        <v12:status>ENABLED</v12:status>
        <v12:name>testCust</v12:name>
        <!--Optional:-->
        <v12:companyName>testCompU111</v12:companyName>
        <!--Optional:-->
        <v12:emailAddress>testCustU111@testComp</v12:emailAddress>
        <!--Optional:-->
        <v12:description>testCustU desc 111</v12:description>
        <!--Optional:-->
        <v12:headquarters>SJCU111</v12:headquarters>
        <!--Optional:-->
        <v12:industry>SWU111</v12:industry>
        <!--Optional:-->
        <v12:url>http://testComp.com/testCustU111</v12:url>
        <!--Optional:-->
        <v12:contact>408-000-0007</v12:contact>
        <!--Optional:-->
        <v12:products>PC,PN,PPM,PP,POD111</v12:products>
        <!--Optional:-->
        <v12:stockSymbol>CS111</v12:stockSymbol>
        <!--Optional:-->
        <v12:phone>408-000-0001</v12:phone>
        <!--Optional:-->
        <v12:note>note for testCustU111</v12:note>
        <!--Optional:-->
        <v12:logo>
iVBORw0KGgoAAAANSUHEUgAAAAUAAAFCAyAAACNbyblAAAAHElEQVQI12P4//8/w38GIAXDIBKE0DHxgljNBAAO9TXL0Y4OHwAAAAABJF
        <!--Optional:-->
        <v12:anyNameValList>
          <!--Zero or more repetitions:-->
          <v14:nvs>
            <v14:name>testExtraNameU111</v14:name>
            <v14:value>testExtraValueU111</v14:value>
          </v14:nvs>
        </v12:anyNameValList>
      </v11:customer>
      <!--Optional:-->
      <v11:customerId>
        <!--1 or more repetitions:-->
        <v13:rdn>
          <v13:type>MD</v13:type>
          <v13:value>CISCO_PRIME</v13:value>
        </v13:rdn>
        <v13:rdn>
          <v13:type>Cisco_Customer</v13:type>
          <v13:value>213</v13:value>
        </v13:rdn>
      </v11:customerId>
    </v11:modifyCustomerRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response-modifyCustomer

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrct/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"/>
  </soap:Header>
  <soap:Body>
    <ns3:modifyCustomerResponse xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrct/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1">
      <ns3:success>true</ns3:success>
      <ns3:customerId>
        <ns5:rdn>
          <ns5:type>MD</ns5:type>
          <ns5:value>CISCO_PRIME</ns5:value>
        </ns5:rdn>
        <ns5:rdn>
          <ns5:type>Cisco_Customer</ns5:type>
          <ns5:value>213</ns5:value>
        </ns5:rdn>
      </ns3:customerId>
    </ns3:modifyCustomerResponse>
  </soap:Body>
</soap:Envelope>

```

## deleteCustomer

### Request-deleteCustomer

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:v11="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:deleteCustomerRequest>
      <v11:customerId>
        <!--1 or more repetitions-->
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
        <v12:rdn>
          <v12:type>Cisco_Customer</v12:type>
          <v12:value>215</v12:value>
        </v12:rdn>
      </v11:customerId>
    </v11:deleteCustomerRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response-deleteCustomer



```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrct/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1" />
  </soap:Header>
  <soap:Body>
    <ns3:deleteCustomerResponse xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.cisco.com/mtop/msi/xsd/cp/v1"
xmlns:ns4="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns6="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns7="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns8="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns10="http://www.cisco.com/mtop/nrb/xsd/v_rsrct/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns14="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns17="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1">
      <ns3:success>true</ns3:success>
    </ns3:deleteCustomerResponse>
  </soap:Body>
</soap:Envelope>

```

## ServiceInventoryRetrieval\_RPC - Request and Response Examples

### getServiceInventory

#### Request-getServiceInventory

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:v11="http://www.tmforum.org/mtop/msi/xsd/sir/v1"
xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:getServiceInventoryRequest>
    </v11:getServiceInventoryRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response-getServiceInventory

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns17="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrb/xsd/v_rsrcki/v1"
xmlns:ns8="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns7="http://www.tmforum.org/mtop/msi/xsd/sir/v1"
xmlns:ns6="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns5="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"/>
  </soap:Header>
  <soap:Body>
    <ns7:getServiceInventoryResponse xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns5="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns7="http://www.tmforum.org/mtop/msi/xsd/sir/v1"
xmlns:ns8="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrb/xsd/v_rsrcki/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns17="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns18="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns19="http://www.tmforum.org/mtop/sa/xsd/saiexcpt/v1">
      <ns7:inventoryData>
        <ns7:rfsList>
          <ns7:rfs>
            <ns4:name>
              <ns3:rdn>
                <ns3:type>MD</ns3:type>
                <ns3:value>CISCO_PRIME</ns3:value>
              </ns3:rdn>
            </ns4:name>
          </ns7:rfs>
        </ns7:rfsList>
      </ns7:inventoryData>
    </ns7:getServiceInventoryResponse>
  </soap:Body>
</soap:Envelope>

```

```
<ns3:rdn>
  <ns3:type>Cisco_ComputeService</ns3:type>
  <ns3:value>69</ns3:value>
</ns3:rdn>
</ns4:name>
<ns4:vendorExtensions>
  <ns18:Cisco_SAP_PriorityEnum>P2</ns18:Cisco_SAP_PriorityEnum>
</ns4:vendorExtensions>
<ns6:isStateful>true</ns6:isStateful>
<ns6:serviceState>DEVELOPMENT</ns6:serviceState>
<ns6:Cisco_customerRef>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_Customer</ns3:type>
    <ns3:value>57</ns3:value>
  </ns3:rdn>
</ns6:Cisco_customerRef>
<ns6:sapRefList>
  <ns3:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_DC</ns3:type>
      <ns3:value>vCenter-2--:OD-L1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_VM</ns3:type>
      <ns3:value>TestVM121_62</ns3:value>
    </ns3:rdn>
  </ns3:name>
</ns6:sapRefList>
</ns7:refs>
<ns7:rfs>
  <ns4:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
      <ns3:type>Cisco_ComputeService</ns3:type>
      <ns3:value>71</ns3:value>
    </ns3:rdn>
  </ns4:name>
<ns4:vendorExtensions>
  <ns18:Cisco_SAP_PriorityEnum>P1</ns18:Cisco_SAP_PriorityEnum>
</ns4:vendorExtensions>
<ns6:isStateful>true</ns6:isStateful>
<ns6:serviceState>PRODUCTION</ns6:serviceState>
<ns6:Cisco_customerRef>
  <ns3:rdn>
    <ns3:type>MD</ns3:type>
    <ns3:value>CISCO_PRIME</ns3:value>
  </ns3:rdn>
  <ns3:rdn>
    <ns3:type>Cisco_Customer</ns3:type>
    <ns3:value>57</ns3:value>
  </ns3:rdn>
</ns6:Cisco_customerRef>
<ns6:sapRefList>
  <ns3:name>
    <ns3:rdn>
      <ns3:type>MD</ns3:type>
      <ns3:value>CISCO_PRIME</ns3:value>
    </ns3:rdn>
  </ns3:name>
</ns6:sapRefList>
</ns7:rfs>
```

```
        <ns3:type>Cisco_DC</ns3:type>
        <ns3:value>vCenter-2--:OD-L1</ns3:value>
    </ns3:rdn>
    <ns3:rdn>
        <ns3:type>Cisco_VM</ns3:type>
        <ns3:value>TestVM111_61</ns3:value>
    </ns3:rdn>
    </ns3:name>
    </ns6:sapRefList>
</ns7:rfs>
</ns7:rfsList>
</ns7:inventoryData>
</ns7:getServiceInventoryResponse>
```

```
</soap:Body>  
</soap:Envelope>
```

## **ServiceActivationInterface - Request and Response Examples**

### **Provision**

#### **Request-provision**

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:v11="http://www.tmforum.org/mtop/sa/xsd/sai/v1"
xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:v13="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:v14="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:v15="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:v16="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:v17="http://www.tmforum.org/mtop/sb/xsd/svc/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:provisionRequest>
      <v11:basicInput>
        <!--Optional:-->
        <v11:vendorExtensions>
          <!--You may enter ANY elements at this point-->
        </v11:vendorExtensions>
        <!--Zero or more repetitions:-->
        <v11:Cisco_customerRefList>
          <!--1 or more repetitions:-->
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_Customer</v12:type>
            <v12:value>57</v12:value>
          </v12:rdn>
        </v11:Cisco_customerRefList>
        <!--1 or more repetitions:-->
        <v11:sap>
          <!--Optional:-->
          <v17:resourceRef>
            <!--1 or more repetitions:-->
            <v12:rdn>
              <v12:type>MD</v12:type>
              <v12:value>CISCO_PRIME</v12:value>
            </v12:rdn>
            <v12:rdn>
              <v12:type>Cisco_DC</v12:type>
              <v12:value>vCenter-2--:OD-L1</v12:value>
            </v12:rdn>
            <v12:rdn>
              <v12:type>Cisco_VM</v12:type>
              <v12:value>TestVM121_62</v12:value>
            </v12:rdn>
          </v17:resourceRef>
        </v11:sap>
      </v11:basicInput>
      <v11:soaInput>
      </v11:soaInput>
    </v11:provisionRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response-provision

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns33="http://www.tmforum.org/mtop/sb/xsd/sodel/v1"
xmlns:ns32="http://www.tmforum.org/mtop/sb/xsd/ssc/v1"
xmlns:ns31="http://www.tmforum.org/mtop/sb/xsd/soc/v1"

```

```
xmlns:ns30="http://www.tmforum.org/mtop/sb/xsd/savc/v1"
xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns27="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns26="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns25="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns24="http://www.tmforum.org/mtop/fmw/xsd/oc/v1"
xmlns:ns23="http://www.tmforum.org/mtop/fmw/xsd/sc/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/avc/v1"
xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/ei/v1"
xmlns:ns18="http://www.tmforum.org/mtop/fmw/xsd/cei/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sa/xsd/sairsp/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
xmlns:ns8="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns7="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns6="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns3="http://www.tmforum.org/mtop/sa/xsd/sai/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1" />
</soap:Header>
<soap:Body>
  <ns3:provisionResponse xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/sa/xsd/sai/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns7="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns8="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sa/xsd/sairsp/v1"
xmlns:ns18="http://www.tmforum.org/mtop/fmw/xsd/cei/v1"
xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/ei/v1"
xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/avc/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
xmlns:ns23="http://www.tmforum.org/mtop/fmw/xsd/sc/v1"
xmlns:ns24="http://www.tmforum.org/mtop/fmw/xsd/oc/v1"
xmlns:ns25="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns26="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns27="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns30="http://www.tmforum.org/mtop/sb/xsd/savc/v1"
xmlns:ns31="http://www.tmforum.org/mtop/sb/xsd/soc/v1"
xmlns:ns32="http://www.tmforum.org/mtop/sb/xsd/ssc/v1"
xmlns:ns33="http://www.tmforum.org/mtop/sb/xsd/sodel/v1">
    <ns3:initialResponse>
      <ns17:serviceRequestRef>{MD=CISCO_PRIME,Cisco_ComputeService=69}</ns17:serviceRequestRef>
      <ns17:productName>
        <ns4:rdn>
          <ns4:type>MD</ns4:type>
        </ns4:rdn>
      </ns17:productName>
    </ns3:initialResponse>
  </ns3:provisionResponse>
</soap:Body>
</soap:Envelope>
```

```
        <ns4:value>CISCO_PRIME</ns4:value>
      </ns4:rdn>
    </ns17:productName>
  </ns17:vendorExtensions>
  <ns26:Cisco_serviceRef>
    <ns4:rdn>
      <ns4:type>MD</ns4:type>
      <ns4:value>CISCO_PRIME</ns4:value>
    </ns4:rdn>
    <ns4:rdn>
      <ns4:type>Cisco_ComputeService</ns4:type>
      <ns4:value>69</ns4:value>
    </ns4:rdn>
  </ns26:Cisco_serviceRef>
</ns17:vendorExtensions>
  <ns17:accept>true</ns17:accept>
</ns3:initialResponse>
</ns3:provisionResponse>
</soap:Body>
```



```
</soap:Envelope>
```

## Modify

### Request-modify

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:v11="http://www.tmforum.org/mtop/sa/xsd/sai/v1"
xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:v13="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:v14="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:v15="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:v16="http://www.tmforum.org/mtop/sb/xsd/svc/v1">
  <soapenv:Header>
    <v1:header>
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:modifyRequest>
      <v11:basicInput>
        <!--Optional:-->
        <v11:Cisco_serviceRef>
          <!--1 or more repetitions:-->
          <v12:rdn>
            <v12:type>MD</v12:type>
            <v12:value>CISCO_PRIME</v12:value>
          </v12:rdn>
          <v12:rdn>
            <v12:type>Cisco_ComputeService</v12:type>
            <v12:value>69</v12:value>
          </v12:rdn>
        </v11:Cisco_serviceRef>
        <!--1 or more repetitions:-->
        <v11:sap>
          <v16:serviceState>DEVELOPMENT</v16:serviceState>
          <v16:Cisco_priority>P2</v16:Cisco_priority>
        </v11:sap>
      </v11:basicInput>
      <v11:soaInput>
      </v11:soaInput>
    </v11:modifyRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response-modify

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns33="http://www.tmforum.org/mtop/sb/xsd/sodel/v1"
xmlns:ns32="http://www.tmforum.org/mtop/sb/xsd/ssc/v1"
xmlns:ns31="http://www.tmforum.org/mtop/sb/xsd/soc/v1"
xmlns:ns30="http://www.tmforum.org/mtop/sb/xsd/savc/v1"
xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns27="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns26="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns25="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns24="http://www.tmforum.org/mtop/fmw/xsd/oc/v1"
xmlns:ns23="http://www.tmforum.org/mtop/fmw/xsd/sc/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/avc/v1"
xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
```

```
xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/ei/v1"
xmlns:ns18="http://www.tmforum.org/mtop/fmw/xsd/cei/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sa/xsd/sairsp/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
xmlns:ns8="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns7="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns6="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns3="http://www.tmforum.org/mtop/sa/xsd/sai/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"/>
</soap:Header>
<soap:Body>
  <ns3:modifyResponse xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/sa/xsd/sai/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns7="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns8="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sa/xsd/sairsp/v1"
xmlns:ns18="http://www.tmforum.org/mtop/fmw/xsd/cei/v1"
xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/ei/v1"
xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/avc/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
xmlns:ns23="http://www.tmforum.org/mtop/fmw/xsd/sc/v1"
xmlns:ns24="http://www.tmforum.org/mtop/fmw/xsd/oc/v1"
xmlns:ns25="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns26="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns27="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns30="http://www.tmforum.org/mtop/sb/xsd/savc/v1"
xmlns:ns31="http://www.tmforum.org/mtop/sb/xsd/soc/v1"
xmlns:ns32="http://www.tmforum.org/mtop/sb/xsd/ssc/v1"
xmlns:ns33="http://www.tmforum.org/mtop/sb/xsd/sodel/v1">
    <ns3:initialResponse>
      <ns17:serviceRequestRef>{MD=CISCO_PRIME,Cisco_ComputeService=69}</ns17:serviceRequestRef>
      <ns17:productName>
        <ns4:rdn>
          <ns4:type>MD</ns4:type>
          <ns4:value>CISCO_PRIME</ns4:value>
        </ns4:rdn>
      </ns17:productName>
      <ns17:vendorExtensions>
        <ns26:Cisco_serviceRef>
          <ns4:rdn>
            <ns4:type>MD</ns4:type>
            <ns4:value>CISCO_PRIME</ns4:value>
          </ns4:rdn>
          <ns4:rdn>
            <ns4:type>Cisco_ComputeService</ns4:type>
```

```
        <ns4:value>69</ns4:value>
      </ns4:rdn>
    </ns26:Cisco_serviceRef>
  </ns17:vendorExtensions>
  <ns17:accept>true</ns17:accept>
</ns3:initialResponse>
</ns3:modifyResponse>
</soap:Body>
```

```
</soap:Envelope>
```

## Terminate

### Request-terminate

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:v11="http://www.tmforum.org/mtop/sa/xsd/sai/v1"
xmlns:v12="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header>
    <v1:header>
      <!--Optional:-->
    </v1:header>
  </soapenv:Header>
  <soapenv:Body>
    <v11:terminateRequest xmlns:ns20="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1">
      <v11:rootRequest>
        <!--Optional:-->
        <v11:vendorExtensions>
          <ns20:Cisco_serviceRef>
            <!--1 or more repetitions:-->
            <v12:rdn>
              <v12:type>MD</v12:type>
              <v12:value>CISCO_PRIME</v12:value>
            </v12:rdn>
            <v12:rdn>
              <v12:type>Cisco_ComputeService</v12:type>
              <v12:value>71</v12:value>
            </v12:rdn>
          </ns20:Cisco_serviceRef>
        </v11:vendorExtensions>
      </v11:rootRequest>
      <v11:productName>
        <!--1 or more repetitions:-->
        <v12:rdn>
          <v12:type>MD</v12:type>
          <v12:value>CISCO_PRIME</v12:value>
        </v12:rdn>
      </v11:productName>
      <v11:soaInput>
        </v11:soaInput>
      </v11:terminateRequest>
    </soapenv:Body>
```

### Response-terminate

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <header xmlns:ns33="http://www.tmforum.org/mtop/sb/xsd/sodel/v1"
xmlns:ns32="http://www.tmforum.org/mtop/sb/xsd/ssc/v1"
xmlns:ns31="http://www.tmforum.org/mtop/sb/xsd/soc/v1"
xmlns:ns30="http://www.tmforum.org/mtop/sb/xsd/savc/v1"
xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns27="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns26="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns25="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns24="http://www.tmforum.org/mtop/fmw/xsd/oc/v1"
xmlns:ns23="http://www.tmforum.org/mtop/fmw/xsd/sc/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/avc/v1"
xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
```

```
xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/ei/v1"
xmlns:ns18="http://www.tmforum.org/mtop/fmw/xsd/cei/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sa/xsd/sairsp/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
xmlns:ns8="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns7="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns6="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns3="http://www.tmforum.org/mtop/sa/xsd/sai/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"/>
</soap:Header>
<soap:Body>
  <ns3:terminateResponse xmlns="http://www.tmforum.org/mtop/fmw/xsd/hdr/v1"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/gen/v1"
xmlns:ns3="http://www.tmforum.org/mtop/sa/xsd/sai/v1"
xmlns:ns4="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns5="http://www.tmforum.org/mtop/fmw/xsd/coi/v1"
xmlns:ns6="http://www.tmforum.org/mtop/sb/xsd/csi/v1"
xmlns:ns7="http://www.tmforum.org/mtop/sb/xsd/svc/v1"
xmlns:ns8="http://www.cisco.com/mtop/nrf/xsd/v_store/v1"
xmlns:ns9="http://www.cisco.com/mtop/nrb/xsd/v_rsrci/v1"
xmlns:ns10="http://www.tmforum.org/mtop/nrb/xsd/cri/v1"
xmlns:ns11="http://www.tmforum.org/mtop/nrf/xsd/Cisco_V_nettp/v1"
xmlns:ns12="http://www.tmforum.org/mtop/nrf/xsd/me/v1"
xmlns:ns13="http://www.tmforum.org/mtop/nrb/xsd/lay/v1"
xmlns:ns14="http://www.cisco.com/mtop/nrf/xsd/v_host/v1"
xmlns:ns15="http://www.cisco.com/mtop/nrf/xsd/vm/v1"
xmlns:ns16="http://www.cisco.com/mtop/nrf/xsd/v_hostCluster/v1"
xmlns:ns17="http://www.tmforum.org/mtop/sa/xsd/sairsp/v1"
xmlns:ns18="http://www.tmforum.org/mtop/fmw/xsd/cei/v1"
xmlns:ns19="http://www.tmforum.org/mtop/fmw/xsd/ei/v1"
xmlns:ns20="http://www.tmforum.org/mtop/sa/xsd/saiexcept/v1"
xmlns:ns21="http://www.tmforum.org/mtop/fmw/xsd/avc/v1"
xmlns:ns22="http://www.tmforum.org/mtop/nrf/xsd/cc/v1"
xmlns:ns23="http://www.tmforum.org/mtop/fmw/xsd/sc/v1"
xmlns:ns24="http://www.tmforum.org/mtop/fmw/xsd/oc/v1"
xmlns:ns25="http://www.tmforum.org/mtop/fmw/xsd/msg/v1"
xmlns:ns26="http://www.cisco.com/mtop/sb/xsd/Cisco_svc/v1"
xmlns:ns27="http://www.tmforum.org/mtop/nrb/xsd/lp/v1"
xmlns:ns28="http://www.tmforum.org/mtop/nrf/xsd/com/v1"
xmlns:ns29="http://www.tmforum.org/mtop/nrf/xsd/route/v1"
xmlns:ns30="http://www.tmforum.org/mtop/sb/xsd/savc/v1"
xmlns:ns31="http://www.tmforum.org/mtop/sb/xsd/soc/v1"
xmlns:ns32="http://www.tmforum.org/mtop/sb/xsd/ssc/v1"
xmlns:ns33="http://www.tmforum.org/mtop/sb/xsd/sodel/v1">
    <ns3:initialResponse>
      <ns17:serviceRequestRef>{MD=CISCO_PRIME,Cisco_ComputeService=71}</ns17:serviceRequestRef>
      <ns17:productName>
        <ns4:rdn>
          <ns4:type>MD</ns4:type>
          <ns4:value>CISCO_PRIME</ns4:value>
        </ns4:rdn>
      </ns17:productName>
      <ns17:vendorExtensions>
        <ns26:Cisco_serviceRef>
          <ns4:rdn>
            <ns4:type>MD</ns4:type>
            <ns4:value>CISCO_PRIME</ns4:value>
          </ns4:rdn>
          <ns4:rdn>
            <ns4:type>Cisco_ComputeService</ns4:type>
```

```
        <ns4:value>71</ns4:value>
      </ns4:rdn>
    </ns26:Cisco_serviceRef>
  </ns17:vendorExtensions>
  <ns17:accept>true</ns17:accept>
</ns3:initialResponse>
</ns3:terminateResponse>
</soap:Body>
```

```
</soap:Envelope>
```

## Alarm Management - Request and Response Examples

### AlarmMgmtAPI - Request and Response Examples

#### acknowledgeAlarm

##### Request-acknowledgeAlarm

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:data="http://www.cisco.com/prime/esb/alarm/data">
  <soapenv:Header/>
  <soapenv:Body>
    <data:acknowledgeAlarmRequest>
      <data:alarmId>
        <data:uniqueId>338</data:uniqueId>
      </data:alarmId>
      <data:note>note on ack</data:note>
      <!--Optional:-->
      <data:username>centraladmin</data:username>
    </data:acknowledgeAlarmRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

##### Response-acknowledgeAlarm

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <acknowledgeAlarmResponse xmlns="http://www.cisco.com/prime/esb/alarm/data">
      <alarmId>
        <uniqueId>338</uniqueId>
      </alarmId>
      <success>true</success>
      <message/>
    </acknowledgeAlarmResponse>
  </soap:Body>
</soap:Envelope>
```

#### deAcknowledgeAlarm

##### Request-deAcknowledgeAlarm

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:data="http://www.cisco.com/prime/esb/alarm/data">
  <soapenv:Header />
  <soapenv:Body>
    <data:deAcknowledgeAlarmRequest>
      <data:alarmId>
        <data:uniqueId>338</data:uniqueId>
      </data:alarmId>
      <!--Optional: -->
      <data:note>deack notes</data:note>
      <!--Optional: -->
      <data:username>centraladmin</data:username>
    </data:deAcknowledgeAlarmRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response-deAcknowledgeAlarm

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <deAcknowledgeAlarmResponse xmlns="http://www.cisco.com/prime/esb/alarm/data">
      <alarmId>
        <uniqueId>338</uniqueId>
      </alarmId>
      <success>true</success>
      <message/>
    </deAcknowledgeAlarmResponse>
  </soap:Body>
</soap:Envelope>
```

## clearAlarm

### Request-clearAlarm

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:data="http://www.cisco.com/prime/esb/alarm/data">
  <soapenv:Header />
  <soapenv:Body>
    <data:clearAlarmRequest>
      <data:alarmId>
        <data:uniqueId>338</data:uniqueId>
      </data:alarmId>
      <data:note>clear notes</data:note>
      <data:username>centraladmin</data:username>
    </data:clearAlarmRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response-clearAlarm

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <clearAlarmResponse xmlns="http://www.cisco.com/prime/esb/alarm/data">
      <alarmId>
        <uniqueId>338</uniqueId>
      </alarmId>
      <success>true</success>
      <message/>
    </clearAlarmResponse>
  </soap:Body>
</soap:Envelope>
```

## retireAlarm

### Request-retireAlarm



```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:data="http://www.cisco.com/prime/esb/alarm/data">
  <soapenv:Header />
  <soapenv:Body>
    <data:retireAlarmRequest>
      <data:alarmId>
        <data:uniqueId>338</data:uniqueId>
      </data:alarmId>
      <data:username>centraladmin</data:username>
    </data:retireAlarmRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

### Response-RetireAlarm

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <retireAlarmResponse xmlns="http://www.cisco.com/prime/esb/alarm/data">
      <alarmId>
        <uniqueId>338</uniqueId>
      </alarmId>
      <success>true</success>
      <message/>
    </retireAlarmResponse>
  </soap:Body>
</soap:Envelope>

```

### addNoteToAlarm

#### Request-addNoteToAlarm

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:data="http://www.cisco.com/prime/esb/alarm/data">
  <soapenv:Header />
  <soapenv:Body>
    <data:addNoteToAlarmRequest>
      <data:alarmId>
        <data:uniqueId>338</data:uniqueId>
      </data:alarmId>
      <data:note>adding note to alarm</data:note>
      <data:username>centraladmin</data:username>
    </data:addNoteToAlarmRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

#### Response-addNoteToAlarm

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <addNoteToAlarmResponse xmlns="http://www.cisco.com/prime/esb/alarm/data">
      <alarmId>
        <uniqueId>338</uniqueId>
      </alarmId>
      <success>true</success>
      <message/>
    </addNoteToAlarmResponse>
  </soap:Body>
</soap:Envelope>

```

## AlarmRetrievalAPI - Request and Response Examples

## getSubtendingEvents

### Request-getSubtendingEvents

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:data="http://www.cisco.com/prime/esb/alarm/retrieval/data"
xmlns:datal="http://www.cisco.com/prime/esb/alarm/data">
  <soapenv:Header/>
  <soapenv:Body>
    <data:getSubtendingEventsRequest>
      <datal:alarmId>
        <datal:uniqueId>338</datal:uniqueId>
      </datal:alarmId>
    </data:getSubtendingEventsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response-getSubtendingEvents

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns2:getSubtendingEventsResponse xmlns="http://www.cisco.com/prime/esb/alarm/data"
      xmlns:ns2="http://www.cisco.com/prime/esb/alarm/retrieval/data">
      <alarmId>
        <uniqueId>338</uniqueId>
      </alarmId>
      <ns2:subtendingEventList>
        <ns2:subtendingEvent>
          <ns2:eventId>{[NetworkEvent(Id=4239132721156_1369754146031)]}</ns2:eventId>
          <ns2:correlationId>{[NewAlarm(Id=72)]}</ns2:correlationId>
          <ns2:description>Slot 41: Card - ASR5K-RCC-K9 Out</ns2:description>
          <ns2:source>{[ManagedElement(Key=10.56.22.105)][PhysicalRoot][Chassis]
[Slot(SlotNum=41)][Module]}</ns2:source>
          <ns2:duplicationCount>1</ns2:duplicationCount>
          <ns2:severity>Major</ns2:severity>
          <ns2:timestamp>1369754146031</ns2:timestamp>
          <ns2:extendedData>
            <entry>
              <name>Archived</name>
              <value>>false</value>
            </entry>
            <entry>
              <name>ElementTypeA</name>
              <value>Cisco ASR 5000 Mobile-Gateway</value>
            </entry>
            <entry>
              <name>ElementTypeZ</name>
              <value>>null</value>
            </entry>
            <entry>
              <name>DetectionType</name>
              <value>Service</value>
            </entry>
            <entry>
              <name>ExtendedName</name>
              <value>3</value>
            </entry>
            <entry>
              <name>State</name>
              <value>Card out</value>
            </entry>
            <entry>
              <name>SuppressDisplay</name>
              <value>>false</value>
            </entry>
            <entry>
              <name>Name</name>
              <value>3</value>
            </entry>
            <entry>
              <name>ReductionCount</name>
              <value>1</value>
            </entry>
            <entry>
              <name>CreationInDeviceTimezone</name>
              <value>>null</value>
            </entry>
          </ns2:extendedData>
        </ns2:subtendingEvent>
      </ns2:subtendingEventList>
    </ns2:getSubtendingEventsResponse>
  </soap:Body>
</soap:Envelope>

```

## AlarmFmQueryAPI - Request and Response Examples

## getActiveAlarmCounts

### Request-getActiveAlarmCounts

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:data="http://www.cisco.com/prime/esb/alarm/fm/query/data"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header/>
  <soapenv:Body>
    <data:getActiveAlarmCountsRequest>
      <data:severityList>
        <!--1 or more repetitions:-->
        <data:severity>Critical</data:severity>
        <data:severity>Major</data:severity>
        <data:severity>Minor</data:severity>
      </data:severityList>
      <data:filter>
        <data:type>Device</data:type>
        <data:name>
          <!--1 or more repetitions:-->
          <v1:rdn>
            <v1:type>MD</v1:type>
            <v1:value>CISCO_PRIME</v1:value>
          </v1:rdn>
          <v1:rdn>
            <v1:type>ME</v1:type>
            <v1:value>Prime-dcdev-vcenter</v1:value>
          </v1:rdn>
        </data:name>
      </data:filter>
    </data:getActiveAlarmCountsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response-getActiveAlarmCounts

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <getActiveAlarmCountsResponse xmlns="http://www.cisco.com/prime/esb/alarm/fm/query/data"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns3="http://www.cisco.com/prime/esb/alarm/data">
      <severityCountList>
        <severityCount>
          <severity>Major</severity>
          <count>7</count>
        </severityCount>
        <severityCount>
          <severity>Minor</severity>
          <count>0</count>
        </severityCount>
        <severityCount>
          <severity>Critical</severity>
          <count>0</count>
        </severityCount>
      </severityCountList>
    </getActiveAlarmCountsResponse>
  </soap:Body>
</soap:Envelope>
```

## getActiveAlarmIds

### Request-getActiveAlarmIds

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:data="http://www.cisco.com/prime/esb/alarm/fm/query/data"
xmlns:v1="http://www.tmforum.org/mtop/fmw/xsd/nam/v1">
  <soapenv:Header/>
  <soapenv:Body>
    <data:getActiveAlarmIdsRequest>
      <data:severityList>
        <!--1 or more repetitions:-->
        <data:severity>Critical</data:severity>
        <data:severity>Major</data:severity>
        <data:severity>Minor</data:severity>
      </data:severityList>
      <data:filter>
        <data:type>Device</data:type>
        <data:name>
          <!--1 or more repetitions:-->
          <v1:rdn>
            <v1:type>MD</v1:type>
            <v1:value>CISCO_PRIME</v1:value>
          </v1:rdn>
          <v1:rdn>
            <v1:type>ME</v1:type>
            <v1:value>Prime-dcdev-vcenter</v1:value>
          </v1:rdn>
        </data:name>
      </data:filter>
    </data:getActiveAlarmIdsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response-getActiveAlarmIds

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <getActiveAlarmIdsResponse xmlns="http://www.cisco.com/prime/esb/alarm/fm/query/data"
      xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
      xmlns:ns3="http://www.cisco.com/prime/esb/alarm/data">
      <alarmIdListBySeverityList>
        <alarmIdListBySeverity>
          <severity>Critical</severity>
          <alarmIdList/>
        </alarmIdListBySeverity>
        <alarmIdListBySeverity>
          <severity>Major</severity>
          <alarmIdList>
            <alarmId>
              <uniqueId>315</uniqueId>
            </alarmId>
            <alarmId>
              <uniqueId>360</uniqueId>
            </alarmId>
            <alarmId>
              <uniqueId>362</uniqueId>
            </alarmId>
            <alarmId>
              <uniqueId>357</uniqueId>
            </alarmId>
            <alarmId>
              <uniqueId>361</uniqueId>
            </alarmId>
            <alarmId>
              <uniqueId>356</uniqueId>
            </alarmId>
            <alarmId>
              <uniqueId>359</uniqueId>
            </alarmId>
          </alarmIdList>
        </alarmIdListBySeverity>
        <alarmIdListBySeverity>
          <severity>Minor</severity>
          <alarmIdList/>
        </alarmIdListBySeverity>
      </alarmIdListBySeverityList>
    </getActiveAlarmIdsResponse>
  </soap:Body>
</soap:Envelope>

```

## getActiveAlarmDetail

### Request-getActiveAlarmDetail

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:data="http://www.cisco.com/prime/esb/alarm/fm/query/data">
  <soapenv:Header/>
  <soapenv:Body>
    <data:getAlarmDetailRequest>
      <data:alarmId>
        <data:uniqueId>357</data:uniqueId>
        <!--Optional-->
        <data:hint?></data:hint>
      </data:alarmId>
    </data:getAlarmDetailRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

### Response-getActiveAlarmDetail

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <getAlarmDetailResponse xmlns="http://www.cisco.com/prime/esb/alarm/fm/query/data"
xmlns:ns2="http://www.tmforum.org/mtop/fmw/xsd/nam/v1"
xmlns:ns3="http://www.cisco.com/prime/esb/alarm/data">
      <alarmId>
        <uniqueId>357</uniqueId>
        <hint>?</hint>
      </alarmId>
      <severity>Major</severity>
      <acknowledged>No</acknowledged>
      <elementIP>172.25.106.104</elementIP>
      <elementName>Prime-dcdev-vcenter</elementName>
      <description>VM Powered Off</description>
      <location>
VirtualDataCenterName=DCDEV/HostName=prime-dcdev-esxi2.cisco.com
/VirtualMachineName=prime-dcdev-Testing-2/VmID=vm-89</location>
        <count>1</count>
        <hasCorrelated>No</hasCorrelated>
        <firstOccurence>1369778085</firstOccurence>
        <lastOccurence>1369778085</lastOccurence>
        <note/>
        <source>net://net:28</source>
        <sourceLocation>{[ManagedElement(Key=Prime-dcdev-vcenter)][LogicalRoot]
[Context(ContextName=Default context)]
[ComputeVirtualization][VirtualDataCenter(Name=DCDEV)][HostsContainer]
[Host(Name=prime-dcdev-esxi2.cisco.com)]
[VirtualMachine(Name=prime-dcdev-Testing-2)(VmID=vm-89)][Trap]}
      </sourceLocation>
        <extendedAttribute/>
        <impactedEntityList/>
        <symptomAlarmIdList/>
        <correlatedAlarmIdList/>
      </getAlarmDetailResponse>
    </soap:Body>
  </soap:Envelope>
```