

ReST API Usage Document



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1. TopoAPI

1.1 getByName

JSON Format:

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getbyname</port></hostname>

input

Туре	Params	Values	Sample
GET	name	<string></string>	XXX.XXX.XXX

```
Status
          Response
            "NmsRESTResult": {
               "message": "Successfully retrieved the object with
          name:XXX.XXX.XXX.XXX",
              "resultObject": {
                "tester": "max",
                "statusPollEnabled": false,
                "failureCount": 0,
                "type": "Node",
                 "statusChangeTime": 1441880437259,
SUCCESS
                 "baseMibs": "",
                 "netmask": "YYY.YYY.YYY.YYY",
                 "isRouter": false,
                 "version": " ",
```



```
"childrenKeys": [],
"parentId": 0,
"isGroup": false,
"name": "XXX.XXX.XXX.XXX",
"isNetwork": false,
"userName": "",
"writeCommunity": "public",
"isContainer": false,
"members": [],
"groups": [],
"contextName": "",
"ipAddress": "XXX.XXX.XXX.XXX",
"pollInterval": 3600,
"userProperties": {},
"failureThreshold": 1,
"parentKey": "NULL",
"status": 5,
"mappedProperties": {},
"classname": "Node",
"community": "public",
"parentNets": [
  "ZZZ.ZZZ.ZZZ"
],
"moid": 39,
"isSNMP": false,
"snmpport": 161,
"isNode": true,
"managed": true,
```



```
"isInterface": false,
                "ipaddrs": [
                  "XXX.XXX.XXX.XXX"
                ],
                "dynamicProps": [],
                "displayName": "XXX.XXX.XXX.XXX",
                "isDHCP": false,
                "statusUpdateTime": 1441880437259
              },
              "timeStamp": "11 Sep, 2015 10:46:17 PM",
              "status": "SUCCESS"
            }
          {
            "NmsRESTResult": {
              "message": "Empty argument passed for the parameters:name",
FAILED
              "error": {
                "description": "bad_request",
                "http_code": "400"
NOT
              },
PROCESSED
              "timeStamp": "Fri Sep 11 22:47:16 IST 2015",
              "status": "NOT PROCESSED"
            }
```



XML Format

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getbyname</port></hostname>

input

Туре	Params	Values	Sample
GET	name	<string></string>	XXX.XXX.XXX

Status	Response						
	xml version="1.0" ?						
	<nmsrestresult></nmsrestresult>						
	<status>SUCCESS</status>						
	<message>Successfully retrieved the object with</message>						
	name:XXX.XXX.XXX						
	<timestamp>11 Sep, 2015 10:47:36 PM</timestamp>						
	<resultobject class="com.adventnet.nms.topodb.Node"></resultobject>						
	<name>XXX.XXX.XXX</name>						
	<lazyloaded>false</lazyloaded>						
	<moid>39</moid>						
	<pre><displayname>XXX.XXX.XXX.XXX</displayname></pre>						
SUCCESS	<type>Node</type>						
	<managed>true</managed>						
	<statuspollenabled>false</statuspollenabled>						
	<status>5</status>						
	<failurethreshold>1</failurethreshold>						
	<failurecount>0</failurecount>						
	<pollinterval>3600</pollinterval>						
	<statuschangetime>1441880437259</statuschangetime>						
	<statusupdatetime>1441880437259</statusupdatetime>						
	<tester>max</tester>						



```
<classname>Node</classname>
       <groups class="org.hibernate.collection.PersistentSet">
            <initialized>true</initialized>
            <owner class="com.adventnet.nms.topodb.Node"</pre>
reference="../.."></owner>
            <cachedSize>-1</cachedSize>
            <role>com.adventnet.nms.topodb.ManagedObject.groups</role>
            <key class="string">XXX.XXX.XXX.XXX</key>
            <dirty>false</dirty>
            <storedSnapshot class="map"></storedSnapshot>
            <set></set>
       </groups>
       <members class="org.hibernate.collection.PersistentSet">
            <initialized>true</initialized>
            <owner class="com.adventnet.nms.topodb.Node"</pre>
reference="../.."></owner>
            <cachedSize>-1</cachedSize>
<role>com.adventnet.nms.topodb.ManagedObject.members</role>
            <key class="string">XXX.XXX.XXX.XXX</key>
            <dirty>false</dirty>
            <storedSnapshot class="map"></storedSnapshot>
            <set></set>
       </members>
       <parentKey>NULL</parentKey>
       <parentId>0</parentId>
       <childrenKeys></childrenKeys>
       <isGroup>false</isGroup>
       <isContainer>false</isContainer>
       <dynamicProps></dynamicProps>
       <userProperties></userProperties>
       <mappedProperties class="properties"></mappedProperties>
       <ipAddress>XXX.XXX.XXX.XXX</ipAddress>
       <netmask>YYY.YYY.YYY.YYY</netmask>
       <community>public</community>
       <version></version>
       <userName></userName>
        <contextName></contextName>
```



```
<writeCommunity>public</writeCommunity>
       <snmpport>161</snmpport>
       <baseMibs></baseMibs>
       <isDHCP>false</isDHCP>
       <isSNMP>false</isSNMP>
       <isInterface>false</isInterface>
       <isRouter>false</isRouter>
       <isNode>true</isNode>
       <isNetwork>false</isNetwork>
       <parentNets>
            <string>ZZZ.ZZZ.ZZZ</string>
       </parentNets>
       <ipaddrs>
           <string>XXX.XXX.XXX.XXX</string>
       </ipaddrs>
   </resultObject>
</NmsRESTResult>
```



1.2 getObjects

JSON Format(without pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getobjects</port></hostname>

input

Туре	Params	Values	Sample
GET	classname	<string></string>	SnmpNode
GET	criteria	<url Encoded JSON String></url 	%7B%22managed%22%3A%22true%22%7D Note: URL encoded value for the JSON string {"managed":"true"}

Status	Response			
SUCCESS	<pre>{ "NmsRESTResult": { "message": "Successfully retrieved the objects.", "resultObject": [{ "tester": "max", "statusPollEnabled": false, "failureCount": 0, "type": "snmp-node", "sysName": "rest-test1", "statusChangeTime": 1441983879210, "baseMibs": "RFC1213-MIB", "netmask": "YYY.YYY.YYY', "isRouter": false, "version": "v2", "childrenKeys": [],</pre>			



```
"parentId": 0,
        "isGroup": false,
        "sysDescr": "Linux rest-test1 3.13.0-43-generic #72-Ubuntu
SMP Mon Dec 8 19:35:06 UTC 2014 x86_64",
        "name": "rest-test1",
        "isNetwork": false,
        "userName": "",
        "writeCommunity": "public",
        "isContainer": false,
        "members": [],
        "groups": [],
        "contextName": "",
        "ipAddress": "XXX.XXX.XXX.XXX",
        "pollInterval": 300,
        "userProperties": {},
        "failureThreshold": 1,
        "parentKey": "NULL",
        "sys0ID": ".1.3.6.1.4.1.8072.3.2.10",
        "status": 2,
        "mappedProperties": {},
        "classname": "SnmpNode",
        "community": "public",
        "parentNets": [],
        "moid": 13,
        "isSNMP": true,
        "snmpport": 161,
        "managed": true,
        "isNode": true,
        "isInterface": false,
        "hostNetmask": "",
        "ipaddrs": [],
        "dynamicProps": [],
        "displayName": "rest-test1",
        "isDHCP": false,
        "statusUpdateTime": 1441983879210
      },
```



```
. . . .
                ],
              "timeStamp": "11 Sep, 2015 10:52:14 PM",
              "status": "SUCCESS"
            }
          Empty Argument:
            "NmsRESTResult": {
              "message": "Empty argument passed for the
          parameters:classname,criteria",
              "error": {
                "description": "bad_request",
                "http code": "400"
              },
              "timeStamp": "Fri Sep 11 22:53:24 IST 2015",
              "status": "NOT PROCESSED"
            }
FAILED
NOT
          Invalid Input:
PROCESSED
            "NmsRESTResult": {
              "message": "Invalid input for the REST request for the
          parameter:criteria",
              "error": {
                "description": "bad_request",
                "http code": "400"
              },
              "timeStamp": "Fri Sep 11 22:56:01 IST 2015",
              "status": "NOT PROCESSED"
            }
```



XML Format(without pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getobjects</port></hostname>

input

Туре	Params	Values	Sample
GET	classname	<string></string>	SnmpNode
GET	criteria	<url encoded XML String></url 	%3Cproperties%3E%3Cproperty%20name%3D%22mana ged%22%20value%3D%22true%22%3E%3C%2Fproperty %3E%3C%2Fproperties%3E Note: URL encoded value for the String <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>

Status	Response				
	xml version="1.0" ?				
	<nmsrestresult></nmsrestresult>				
	<status>SUCCESS</status>				
	<pre><message>Successfully retrieved the objects.</message></pre>				
	<timestamp>11 Sep, 2015 10:59:27 PM</timestamp>				
	<resultobject class="string"></resultobject>				
	xml version="1.0" ?				
	<vector></vector>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
CHCCECC	value="SnmpNode">				
SUCCESS	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	value="1441983879210">				



```
cproperty name="managed" value="true">
              property name="statusUpdateTime"
value="1441983879210"></property>
              roperty name="isNode" value="true">
              community"
value="public"></property>
              roperty name="failureCount"
value="0"></property>
              roperty name="ipAddress"
value="XXX.XXX.XXX.XXX"></property>
              roperty name="name" value="rest-
test1"></property>
              roperty name="parentKey" value="">
              roperty name="sysName" value="rest-
test1"></property>
              cproperty name="netmask"
value="YYY.YYY.YYY.YYY"></property>
              cproperty name="userName" value=""></property>
              property name="writeCommunity"
value="public"></property>
              roperty name="moid" value="13">
              roperty name="isDHCP" value="false">
              cproperty name="snmpport" value="161"></property>
              roperty name="status" value="2">
              roperty name="displayName" value="rest-
test1"></property>
              roperty name="statusPollEnabled"
value="false"></property>
              roperty name="sysDescr" value="Linux rest-test1
3.13.0-43-generic #72-Ubuntu SMP Mon Dec 8 19:35:06 UTC 2014
x86_64"></property>
              roperty name="isGroup" value="false">
              roperty name="sys0ID"
value=".1.3.6.1.4.1.8072.3.2.10"></property>
              cproperty name="isContainer"
value="false">
              roperty name="isSNMP" value="true">
              contextName" value="">
```



```
roperty name="failureThreshold"
          value="1"></property>
                         property name="pollInterval"
          value="300"></property>
                         roperty name="tester" value="max">
                         roperty name="isRouter"
         value="false"></property>
                         roperty name="baseMibs" value="RFC1213-
         MIB"></property>
                         roperty name="version" value="v2">
                         roperty name="isInterface"
         value="false"></property>
                         roperty name="hostNetmask" value="">
                         roperty name="isNetwork"
          value="false"></property>
                         roperty name="type" value="snmp-
          node"></property>
                     </properties>
                 </Vector>
             </resultObject>
          </NmsRESTResult>
          Empty Input:
          <?xml version="1.0" ?>
          <NmsRESTResult>
             <status>NOT PROCESSED</status>
             <message>Empty argument passed for the
          parameters:classname,criteria</message>
             <timeStamp>Fri Sep 11 23:01:16 IST 2015/timeStamp>
FAILED
             <error
         class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                 <http code>400</http code>
NOT
                 <description>bad request</description>
PROCESSED
             </error>
          </NmsRESTResult>
          Invalid Input:
```



JSON Format(with pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getobjects</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	SnmpNode
GET	criteria	<pre><url encoded="" json="" string=""></url></pre>	%7B%22managed%22%3A%22true%22%7D Note: URL encoded value for the JSON string {"managed":"true"}
GET	needpagination	<string></string>	true
GET	type	<string></string>	snmp-node
GET	startindex	<string></string>	1
GET	endindex	<string></string>	2



```
Status
          Response
          {
            "NmsRESTResult": {
              "message": "Successfully retrieved the objects.",
              "resultObject": [
                {
                  "tester": "max",
                  "statusPollEnabled": "false",
                  "failureCount": "0",
                  "type": "snmp-node",
                   "sysName": "rest-test1",
                  "baseMibs": "RFC1213-MIB",
                  "statusChangeTime": "1441983879210",
                  "isRouter": "false",
                  "netmask": "YYY.YYY.YYY.YYY",
                  "version": "v2",
                   "name": "rest-test1",
                   "sysDescr": "Linux rest-test1 3.13.0-43-generic #72-Ubuntu
          SMP Mon Dec 8 19:35:06 UTC 2014 x86 64",
                   "isGroup": "false",
                   "isNetwork": "false",
SUCCESS
                  "userName": "",
                  "writeCommunity": "public",
                   "contextName": "",
                  "isContainer": "false",
                   "ipAddress": "XXX.XXX.XXX.XXX",
                   "pollInterval": "300",
                   "failureThreshold": "1",
                   "parentKey": "",
                   "sys0ID": ".1.3.6.1.4.1.8072.3.2.10",
                  "status": "2",
                  "classname": "SnmpNode",
                   "community": "public",
                   "moid": "13",
                   "isSNMP": "true",
                   "snmpport": "161",
```



```
"isNode": "true",
        "managed": "true",
       "isInterface": "false",
        "hostNetmask": "",
        "displayName": "rest-test1",
       "isDHCP": "false",
       "statusUpdateTime": "1441983879210"
     },
     {
       "tester": "max",
       "statusPollEnabled": "false",
       "failureCount": "0",
        "type": "snmp-node",
        "sysName": "rest-test",
       "baseMibs": "RFC1213-MIB",
       "statusChangeTime": "1441917466861",
        "isRouter": "false",
       "netmask": "YYY.YYY.YYY.YYY",
        "version": "v2",
        "name": "rest-test",
        "sysDescr": "Linux rest-test Tue Jul 15 04:01:04 UTC 2014
x86_64",
        "isGroup": "false",
        "isNetwork": "false",
       "userName": "",
        "writeCommunity": "public",
       "contextName": "",
        "isContainer": "false",
       "ipAddress": "XXX.XXX.XXX.XXX",
        "pollInterval": "300",
        "failureThreshold": "1",
        "parentKey": "",
        "sys0ID": ".1.3.6.1.4.1.8072.3.2.10",
       "status": "2",
        "classname": "SnmpNode",
        "community": "public",
        "moid": "21",
        "isSNMP": "true",
```



```
"snmpport": "161",
                  "isNode": "true",
                  "managed": "true",
                  "isInterface": "false",
                  "hostNetmask": "",
                  "displayName": "rest-test",
                  "isDHCP": "false",
                  "statusUpdateTime": "1441917466861"
                }
              ],
              "timeStamp": "11 Sep, 2015 10:57:06 PM",
              "status": "SUCCESS",
              "pagination": {
                "totalLength": 6,
                "startIndex": 1,
                "nextURL": ##URL String##,
                "endIndex": 2
              }
            }
          Empty Input:
            "NmsRESTResult": {
              "message": "Empty argument passed for the
          parameters:classname,criteria",
              "error": {
                "description": "bad_request",
                "http_code": "400"
FAILED
              "timeStamp": "Fri Sep 11 22:57:35 IST 2015",
              "status": "NOT PROCESSED"
            }
NOT
PROCESSED
          Invalid Input:
            "NmsRESTResult": {
              "message": "Invalid input for the REST request for the
          parameter:criteria",
```



```
"error": {
     "description": "bad_request",
     "http_code": "400"
     },
     "timeStamp": "Fri Sep 11 22:58:14 IST 2015",
     "status": "NOT PROCESSED"
     }
}
```

XML Format(with pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getobjects</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	SnmpNode
GET	match	<url encoded<br="">XML String></url>	%3Cproperties%3E%3Cproperty%20name% 3D%22managed%22%20value%3D%22true%2 2%3E%3C%2Fproperty%3E%3C%2Fproperties%3E Note: URL encoded value for the XML string <pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre></pre></pre></pre></pre></pre></pre></pre></pre>
GET	needpagination	<string></string>	true
GET	type	<string></string>	snmp-node



GET	startindex	<string></string>	1
GET	endindex	<string></string>	2

Status	Response
	xml version="1.0" ?
	<nmsrestresult></nmsrestresult>
	<status>SUCCESS</status>
	<pre><message>Successfully retrieved the objects.</message></pre>
	<timestamp>11 Sep, 2015 11:02:34 PM</timestamp>
	<resultobject class="string"></resultobject>
	xml version="1.0" ?
	<vector></vector>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	value="SnmpNode">
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	value="1441983879210">
	<pre><pre><pre><pre>property name="managed" value="true"></pre></pre></pre></pre>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	value="1441983879210">
	<pre><pre><pre><pre>property name="isNode" value="true"></pre></pre></pre></pre>
	<pre><pre><pre><pre>property name="community" value="public"></pre></pre></pre></pre>
	<pre><pre><pre><pre>property name="failureCount" value="0"></pre></pre></pre></pre>
	<pre><pre><pre><pre>property name="ipAddress"</pre></pre></pre></pre>
	value="XXX.XXX.XXX">
	<pre><pre><pre><pre>property name="name" value="rest-test1"></pre></pre></pre></pre>
SUCCESS	<pre><pre><pre><pre>property name="parentKey" value=""></pre></pre></pre></pre>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	test1">
	<pre><pre><pre><pre>property name="netmask"</pre></pre></pre></pre>
	value="YYY.YYY.YYY">
	<pre><pre><pre><pre>property</pre> name="userName" value=""></pre>/property></pre></pre>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	value="public">



```
roperty name="moid" value="13">
              roperty name="isDHCP" value="false">
              cproperty name="snmpport" value="161"></property>
              coperty name="status" value="2">
              roperty name="displayName" value="rest-
test1"></property>
              roperty name="statusPollEnabled"
value="false"></property>
              roperty name="sysDescr" value="Linux rest-test1
3.13.0-43-generic #72-Ubuntu SMP Mon Dec 8 19:35:06 UTC 2014
x86_64"></property>
              roperty name="isGroup" value="false">
              cproperty name="sys0ID"
value=".1.3.6.1.4.1.8072.3.2.10"></property>
              roperty name="isContainer" value="false">
              cproperty name="isSNMP" value="true"></property>
              roperty name="contextName" value="">
              roperty name="failureThreshold"
value="1"></property>
              cproperty name="pollInterval" value="300"></property>
              roperty name="tester" value="max">
              cproperty name="isRouter" value="false">
              roperty name="baseMibs" value="RFC1213-
MIB"></property>
              roperty name="version" value="v2">
              cproperty name="isInterface" value="false"></property>
              roperty name="hostNetmask" value="">
              cproperty name="isNetwork" value="false">
              roperty name="type" value="snmp-node">
          </properties>
          cproperties>
              cproperty name="classname"
value="SnmpNode">
              property name="statusChangeTime"
value="1441917466861"></property>
              roperty name="managed" value="true">
              property name="statusUpdateTime"
value="1441917466861"></property>
```



```
roperty name="isNode" value="true">
             community" value="public">
             count value="0">
             cproperty name="ipAddress"
value="XXX.XXX.XXX.XXX"></property>
             roperty name="name" value="rest-test">
             roperty name="parentKey" value="">
             cproperty name="sysName" value="rest-test"></property>
             cproperty name="netmask"
value="YYY.YYY.YYY.YYY"></property>
             cproperty name="userName" value=""></property>
             roperty name="writeCommunity"
value="public"></property>
             roperty name="moid" value="21">
             roperty name="isDHCP" value="false">
             cproperty name="snmpport" value="161"></property>
             roperty name="status" value="2">
             roperty name="displayName" value="rest-
test"></property>
             roperty name="statusPollEnabled"
value="false"></property>
             roperty name="sysDescr" value="Linux rest-test Tue
Jul 15 04:01:04 UTC 2014 x86 64"></property>
             roperty name="isGroup" value="false">
             cproperty name="sys0ID"
value=".1.3.6.1.4.1.8072.3.2.10"></property>
             roperty name="isContainer" value="false">
             cproperty name="isSNMP" value="true"></property>
             contextName" value="">
             roperty name="failureThreshold"
value="1"></property>
             roperty name="pollInterval" value="300">
             roperty name="tester" value="max">
             roperty name="isRouter" value="false">
             roperty name="baseMibs" value="RFC1213-
MIB"></property>
             roperty name="version" value="v2">
             cproperty name="isInterface" value="false"></property>
```



```
cproperty name="hostNetmask" value=""></property>
                          cproperty name="isNetwork" value="false"></property>
                          cproperty name="type" value="snmp-node">
                      </properties>
                  </Vector>
              </resultObject>
              <pagination>
                  <startIndex>1</startIndex>
                  <endIndex>2</endIndex>
                  <nextURL>##URL String##</nextURL>
                  <totalLength>6</totalLength>
              </pagination>
          </NmsRESTResult>
          Empty Input:
          <?xml version="1.0" ?>
          <NmsRESTResult>
              <status>NOT PROCESSED</status>
              <message>Empty argument passed for the
          parameters:classname,criteria</message>
              <timeStamp>Fri Sep 11 23:03:18 IST 2015</timeStamp>
              <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                  <http_code>400</http_code>
                  <description>bad request</description>
FAILED
              </error>
          </NmsRESTResult>
NOT
PROCESSED
          Invalid Input:
          <?xml version="1.0" ?>
          <NmsRESTResult>
              <status>NOT PROCESSED</status>
              <message>Invalid input for the REST request for the
          parameter:criteria</message>
              <timeStamp>Fri Sep 11 23:03:42 IST 2015</timeStamp>
              <error
```



1.3 getObjectPropsWithProps

JSON Format(without pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getobjectpropswi</port></hostname>
	thprops

Туре	Params	Values	Sample
GET	classname	<string></string>	SnmpNode
GET	criteria	<pre><url encoded="" json="" string=""></url></pre>	%7B%22managed%22%3A%22true%22%7D Note: URL encoded value for the JSON string {"managed":"true"}
GET	fetchproperties	<url encoded<br="">JSON String></url>	%5B%22classname%22%2C%22displayName%2 2%2C%22status%22%2C%22type%22%2C%22sy sDescr%22%2C%22sysName%22%5D Note: URL encoded value for the JSON string ["classname","displayName","status"," type","sysDescr","sysName"]
GET	returnasprops	<string></string>	true
GET	performor	<string></string>	true



```
Status
          Response
            "NmsRESTResult": {
              "message": "Successfully retrieved the objects.",
              "resultObject": [
                {
                  "status": "2",
                  "classname": "SnmpNode",
                  "sysDescr": "Linux rest-test1 3.13.0-43-generic #72-Ubuntu
          SMP Mon Dec 8 19:35:06 UTC 2014 x86_64",
                  "sysName": "rest-test1",
                  "type": "snmp-node",
                  "displayName": "rest-test1"
                },
                {
                  "status": "5",
                  "classname": "SnmpNode",
                  "sysDescr": "Linux rest-test Tue Jul 15 04:01:04 UTC 2014
          x86_64",
SUCCESS
                  "sysName": "rest-test",
                  "type": "snmp-node",
                  "displayName": "rest-test"
                },
              "timeStamp": "11 Sep, 2015 11:12:01 PM",
              "status": "SUCCESS"
            }
          Empty Input:
FAILED
            "NmsRESTResult": {
              "message": "Empty argument passed for the
```



```
NOT
          parameters:classname,criteria",
PROCESSED 
               "error": {
                 "description": "bad_request",
                 "http_code": "400"
              },
               "timeStamp": "Fri Sep 11 23:16:19 IST 2015",
              "status": "NOT PROCESSED"
            }
          Invalid Input:
            "NmsRESTResult": {
               "message": "Invalid input for the REST request for the
          properties:criteria,fetchproperties",
              "error": {
                 "description": "bad_request",
                 "http_code": "400"
              },
              "timeStamp": "Fri Sep 11 23:17:28 IST 2015",
              "status": "NOT PROCESSED"
            }
```

XML Format(without pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getobjectpropswithprops</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	SnmpNode
GET	criteria	<url< td=""><td>%3Cproperties%3E%3Cproperty%20name%3D%22m</td></url<>	%3Cproperties%3E%3Cproperty%20name%3D%22m



		encoded XML String>	anaged%22%20value%3D%22true%22%3E%3C%2Fpr operty%3E%3C%2Fproperties%3E
			Note: URL encoded value for the String <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
GET	fetchproperties	<url encoded XML String></url 	%3Cstring- array%3E%3Cstring%3Eclassname%3C%2Fstring %3E%3Cstring%3EdisplayName%3C%2Fstring%3E %3C%2Fstring-array%3E%0A Note: URL encoded value for the string <string- array><string>classname</string><string>d isplayName</string></string-
GET	returnasprops	<string></string>	true
GET	performor	<string></string>	false

Status	Response
	xml version="1.0" ?
	<nmsrestresult></nmsrestresult>
	<status>SUCCESS</status>
	<pre><message>Successfully retrieved the objects.</message></pre>
	<pre><timestamp>14 Sep, 2015 9:57:54 PM</timestamp></pre>
	<resultobject class="vector"></resultobject>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	test">
SUCCESS	<pre><pre><pre><pre>property name="classname"</pre></pre></pre></pre>
	value="SnmpNode">
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	test1">
	<pre><pre><pre><pre>property name="classname"</pre></pre></pre></pre>



```
value="SnmpNode">
                  </properties>
              </resultObject>
          </NmsRESTResult>
          Empty Input:
          <?xml version="1.0" ?>
          <NmsRESTResult>
              <status>NOT PROCESSED</status>
              <message>Empty argument passed for the
          parameters:classname,criteria</message>
              <timeStamp>Fri Sep 11 23:01:16 IST 2015</timeStamp>
              <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                  <http_code>400</http_code>
                  <description>bad_request</description>
              </error>
          </NmsRESTResult>
FAILED
          Invalid Input:
          <?xml version="1.0" ?>
NOT
          <NmsRESTResult>
PROCESSED
              <status>NOT PROCESSED</status>
              <message>Invalid input for the REST request for the
          parameter:criteria</message>
              <timeStamp>Fri Sep 11 23:01:43 IST 2015</timeStamp>
              <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                  <http code>400</http code>
                  <description>bad request</description>
              </error>
          </NmsRESTResult>
```

JSON Format(with pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getobjectpropswi</port></hostname>



thprops

input

Туре	Params	Values	Sample
GET	classname	<string></string>	SnmpNode
GET	criteria	<url encoded="" json="" string=""></url>	%7B%22managed%22%3A%22true%22%7D Note: URL encoded value for the JSON string {"managed":"true"}
GET	fetchproperties	<url encoded<br="">JSON String></url>	%5B%22classname%22%2C%22displayName%22%2C%22status%22%2C%22type%22%2C%22sysName%22%5D Note: URL encoded value for the JSON string ["classname","displayName","status","type","sysDescr","sysName"]
GET	returnasprops	<string></string>	true
GET	performor	<string></string>	false
GET	needpagination	<string></string>	true
GET	type	<string></string>	snmp-node
GET	startindex	<string></string>	1
GET	endindex	<string></string>	2

Status	Response		
	{ "NmsRESTResult": {		
SUCCESS	<pre>"message": "Successfully retrieved the objects.", "resultObject": [{</pre>		



```
"snmpport": "161",
                   "managed": "true",
                  "status": "2",
                  "classname": "IpAddress",
                  "name": "IF-rest-test",
                  "type": "Interface",
                  "displayName": "IF-rest-test"
                },
                {
                   "snmpport": "161",
                  "managed": "true",
                  "status": "5",
                  "classname": "IpAddress",
                  "name": "IF-rest-test1",
                  "type": "Interface",
                  "displayName": "IF-rest-test1"
                }
              ],
              "timeStamp": "14 Sep, 2015 10:01:51 PM",
              "status": "SUCCESS",
              "pagination": {
                "totalLength": 436,
                "startIndex": 1,
                "nextURL":##URL String##,
                "endIndex": 2
              }
            }
          Empty Input:
FAILED
            "NmsRESTResult": {
              "message": "Empty argument passed for the
          parameters:classname,criteria",
NOT
              "error": {
PROCESSED
                "description": "bad_request",
                "http code": "400"
              },
              "timeStamp": "Fri Sep 11 22:57:35 IST 2015",
```



```
"status": "NOT PROCESSED"
}

Invalid Input:

{
    "NmsRESTResult": {
        "message": "Invalid input for the REST request for the parameter:criteria",
        "error": {
            "description": "bad_request",
            "http_code": "400"
        },
        "timeStamp": "Fri Sep 11 22:58:14 IST 2015",
        "status": "NOT PROCESSED"
        }
}
```

XML Format(with pagination)

request

Method	URL
GET	https:// <hostname>:<port>/nms/topoapi/getobjectpropswithprops</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	SnmpNode
GET	criteria	<url encoded<br="">XML String></url>	%3Cproperties%3E%3Cproperty%20name% 3D%22managed%22%20value%3D%22true%2 2%3E%3C%2Fproperty%3E%3C%2Fproperti es%3E Note: URL encoded value for the XML string <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>



			<pre>name="managed" value="true"></pre>
GET	fetchproperties	<url encoded<br="">XML String></url>	%3Cstring- array%3E%3Cstring%3Eclassname%3C%2F string%3E%3Cstring%3EdisplayName%3C %2Fstring%3E%3C%2Fstring- array%3E%0A Note: URL encoded value for the XML string <string- array=""><string>classname</string><st ring="">displayName</st></string->
GET	returnasprops	<string></string>	true
GET	performor	<string></string>	false
GET	needpagination	<string></string>	true
GET	startindex	<string></string>	1
GET	endindex	<string></string>	2

Response					
xml version="1.0" ?					
<nmsrestresult></nmsrestresult>					
<status>SUCCESS</status>					
<pre><message>Successfully retrieved the objects.</message></pre>					
<timestamp>14 Sep, 2015 10:47:57 PM</timestamp>					
<resultobject class="vector"></resultobject>					
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>					
<pre><pre><pre><pre><pre><pre>property name="name" value="XXX.XXX.XXX.XXX"></pre></pre></pre></pre></pre></pre>					
<pre><pre><pre><pre><pre><pre><pre>property</pre> name="classname" value="Network"></pre></pre></pre></pre></pre></pre>					
<pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre>					
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>					



```
property name="type" value="Network"></property>
                    cproperty name="discoveryStatus" value="2"></property>
                    property name="displayName"
         value="XXX.XXX.XXX.XXX"></property>
SUCCESS
                    roperty name="managed" value="true">
                    roperty name="snmpport" value="161">
                </properties>
                cproperties>
                    roperty name="name" value="YYY.YYY.YYY.YYY">
                    roperty name="classname" value="Network">
                    cproperty name="status" value="2"></property>
                    roperty name="discover" value="true">
                    roperty name="type" value="Network">
                    roperty name="discoveryStatus" value="3">
                    cproperty name="displayName"
         value="YYY.YYY.YYY.YYY"></property>
                    roperty name="managed" value="true">
                    roperty name="snmpport" value="161">
                </properties>
             </resultObject>
             <pagination>
                <startIndex>1</startIndex>
                <endIndex>2</endIndex>
                <nextURL>##URL String##</nextURL>
                <totalLength>474</totalLength>
             </pagination>
         </NmsRESTResult>
         Empty Input:
         <?xml version="1.0" ?>
         <NmsRESTResult>
             <status>NOT PROCESSED</status>
             <message>Empty argument passed for the
FAILED
         parameters:classname,criteria</message>
             <timeStamp>Fri Sep 11 23:03:18 IST 2015</timeStamp>
             <error
NOT
         class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
PROCESSED.
                <http_code>400</http_code>
```



1.4 updateObject

JSON Format

request

Method	URL
PUT	https:// <hostname>:<port>/rest/secure/nms/topoapi/updateobject</port></hostname>

Туре	Params	Values	Sample
			{
			"tester": "max",
			"statusPollEnabled": false,
			"failureCount": 0,
			"type": "Node",



I	1		"baseMibs": "",
			"netmask": "YYY.YYY.YYY.YYY",
			"isRouter": false,
PUT		<string></string>	"version": " ",
			"childrenKeys": [],
			"parentId": 0,
	obj		"isGroup": false,
			"name": "XXX.XXX.XXX.XXX",
			"isNetwork": false,
			"userName": "",
			"writeCommunity": "public",
			"isContainer": false,
			"members": [],
			"groups": [],
			"contextName": "",
			"ipAddress": "XXX.XXX.XXX.XXX",
			"pollInterval": 3600,
			"userProperties": {},
			"failureThreshold": 1,
			"status": 2,
			<pre>"mappedProperties": {},</pre>
			"classname": "Node",
			"community": "public",
			"parentNets": [
			"ZZZ.ZZZ.ZZZ"
			1,
			"isSNMP": false,
			"snmpport": 161,
			"isNode": true,
			"managed": false,
			"isInterface": false,
			"ipaddrs": [
			"XXX.XXX.XXX"
			1,
			"dynamicProps": [],
			"displayName": "XXX.XXX.XXX.XXX",
			"isDHCP": false



			}
PUT	retainuserpropert ies	<string></string>	true
PUT	dealwithlocks	<string></string>	true
PUT	fullclassname	<string></string>	com.adventnet.nms.topodb.Node

```
Status
          Response
            "NmsRESTResult": {
              "message": "Successfully updated the ManagedObject with
          name:XXX.XXX.XXX.XXX",
SUCCESS
              "resultObject": true,
              "timeStamp": "14 Sep, 2015 1:40:05 PM",
              "status": "SUCCESS"
            }
          Empty Input:
            "NmsRESTResult": {
              "message": "Empty argument passed for the parameters:obj",
              "error": {
                "description": "bad_request",
                "http_code": "400"
              },
FAILED
              "timeStamp": "Mon Sep 14 14:06:38 IST 2015",
              "status": "NOT PROCESSED"
            }
NOT
PROCESSED
          Invalid Input:
            "NmsRESTResult": {
```



```
"message": "Invalid input for the REST request for the
parameters:obj",
    "error": {
        "description": "bad_request",
        "http_code": "400"
      },
      "timeStamp": "Mon Sep 14 13:41:37 IST 2015",
      "status": "NOT PROCESSED"
    }
}
```

request

Method	URL
PUT	https:// <hostname>:<port>/rest/secure/nms/topoapi/updateobject</port></hostname>

Туре	Params	Values	Sample
			<pre><?xml version="1.0" encoding="UTF- 8"?> <resultobject class="com.adventnet.nms.topodb.Nod</pre></td></tr><tr><td></td><td></td><td></td><td>e"> <name>XXX.XXX.XXX.XXX</name></resultobject></pre>
			<pre><displayname>XXX.XXX.XXX.XXX</displayname></pre>
PUT	obj	<string></string>	<type>Node</type> <managed>true</managed>
			<statuspollenabled>false</statuspollenabled>



```
<status>2</status>
<failureThreshold>1</failureThresho
ld>
   <failureCount>0</failureCount>
<pollInterval>3600</pollInterval>
   <tester>max</tester>
   <classname>Node</classname>
   <groups
class="org.hibernate.collection.Per
sistentSet">
<initialized>true</initialized>
      <owner
class="com.adventnet.nms.topodb.Nod
e" reference="../.." />
      <cachedSize>-1</cachedSize>
<role>com.adventnet.nms.topodb.Mana
gedObject.groups</role>
      <key
class="string">XXX.XXX.XXX.XXX</key</pre>
      <dirty>false</dirty>
      <storedSnapshot class="map"
      <set />
   </groups>
   <members
class="org.hibernate.collection.Per
sistentSet">
```



```
<initialized>true</initialized>
      <owner
class="com.adventnet.nms.topodb.Nod
e" reference="../.." />
      <cachedSize>-1</cachedSize>
<role>com.adventnet.nms.topodb.Mana
gedObject.members</role>
      <key
class="string">XXX.XXX.XXX.XXX</key</pre>
      <dirty>false</dirty>
      <storedSnapshot class="map"</pre>
/>
      <set />
   </members>
   <isGroup>false</isGroup>
   <isContainer>false</isContainer>
   <dynamicProps />
   <userProperties />
   <mappedProperties</pre>
class="properties" />
<ipAddress>XXX.XXX.XXX.XXX</ipAddre</pre>
SS>
<netmask>YYY.YYY.YYY.YYY</netmask>
   <community>public</community>
   <version />
   <userName />
```



			<contextname></contextname>
			<pre><writecommunity>public</writecommunity></pre>
			<snmpport>161</snmpport>
			<basemibs></basemibs>
			<isdhcp>false</isdhcp>
			<issnmp>false</issnmp>
			<isinterface>false</isinterface>
			<isrouter>false</isrouter>
			<isnode>true</isnode>
			<isnetwork>false</isnetwork>
			<parentnets></parentnets>
			<string>ZZZ.ZZZ.ZZZ</string>
			<ipaddrs></ipaddrs>
			<string>XXX.XXX.XXX.XXX</string>
PUT	retainuserproperties	<string></string>	true
PUT	dealwithlocks	<string></string>	true
PUT	fullclassname	<string></string>	com.adventnet.nms.topodb.Node

Status	Response
SUCCESS	<pre><?xml version="1.0" ?></pre>
	<nmsrestresult></nmsrestresult>



```
<status>SUCCESS</status>
              <message>Successfully updated the ManagedObject with
          name:XXX.XXX.XXX</message>
              <timeStamp>14 Sep, 2015 2:08:13 PM</timeStamp>
              <resultObject class="boolean">true</resultObject>
          </NmsRESTResult>
          Empty Input:
          <?xml version="1.0" ?>
          <NmsRESTResult>
              <status>NOT PROCESSED</status>
              <message>Empty argument passed for the
          parameters:obj,fullclassname</message>
              <timeStamp>Mon Sep 14 14:09:18 IST 2015</timeStamp>
              <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                  <http code>400</http code>
                  <description>bad_request</description>
              </error>
FAILED
          </NmsRESTResult>
          Invalid Input:
NOT
PROCESSED
          <?xml version="1.0" ?>
          <NmsRESTResult>
              <status>NOT PROCESSED</status>
              <message>Invalid input for the REST request for the
          parameters:obj</message>
              <timeStamp>Mon Sep 14 14:08:39 IST 2015/timeStamp>
              <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                  <http code>400</http code>
                  <description>bad request</description>
              </error>
          </NmsRESTResult>
```



1.5 addObject

JSON Format

request

Method	URL
POST	https:// <hostname>:<port>/rest/secure/nms/topoapi/addobject</port></hostname>

Туре	Params	Values	Sample
POST	obj	<string></string>	<pre>{ "tester": "max", "statusPollEnabled": false, "type": "Node", "netmask": "YYY.YYY.YYY.YYY", "isRouter": false, "version": " ", "childrenKeys": [], "parentId": 0, "isGroup": false, "name": "XXX.XXX.XXX.XXXX", "isNetwork": false, "userName": "", "writeCommunity": "public", "isContainer": false, "members": [], "groups": [], "contextName": "", "ipAddress": "XXX.XXX.XXX.XXXX", "pollInterval": 3600, "userProperties": {}, "failureThreshold": 1, "parentKey": "NULL", "status": 2, "mappedProperties": {}, "classname": "Node",</pre>



```
"community": "public",
                                         "parentNets": [
                                           "ZZZ.ZZZ.ZZZ"
                                         ],
                                         "isSNMP": false,
                                         "snmpport": 161,
                                         "isNode": true,
                                         "managed": true,
                                         "isInterface": false,
                                         "ipaddrs": [
                                           "XXX.XXX.XXX."
                                         ],
                                         "dynamicProps": [],
                                         "displayName": "XXX.XXX.XXX.XXX",
                                         "isDHCP": false
P<sub>0</sub>ST
          fullclassname <String>
                                       com.adventnet.nms.topodb.Node
```

```
Status Response

{
    "NmsRESTResult": {
        "message": "Successfully added the object with name:XXX.XXX.XXXX.XXX",
        "resultObject": true,
        "timeStamp": "14 Sep, 2015 2:46:43 PM",
        "status": "SUCCESS"
        }
    }

Empty Artument:
{
    "NmsRESTResult": {
        "message": "Empty argument passed for the parameters:obj,fullclassname",
```



```
"error": {
                "description": "bad_request",
NOT
                "http code": "400"
PROCESSED
              },
              "timeStamp": "Mon Sep 14 14:51:06 IST 2015",
              "status": "NOT PROCESSED"
            }
          Invalid Input:
            "NmsRESTResult": {
              "message": "Invalid input for the REST request for the
          parameters:fullclassname,obj",
              "error": {
                "description": "bad request",
                "http code": "400"
              },
              "timeStamp": "Mon Sep 14 14:48:41 IST 2015",
              "status": "NOT PROCESSED"
            }
```

request

Method	URL
P0ST	https:// <hostname>:<port>/rest/secure/nms/topoapi/addobject</port></hostname>

Туре	Params	Values	Sample
POST	obj	<string></string>	<pre><?xml version="1.0" encoding="UTF-8"?> <result0bject class="com.adventnet.nms.topodb.Node"> <name>XXX.XXX.XXX.XXX</name></result0bject></pre>



```
<displayName>XXX.XXX.XXX.XXX</displayName>
   <type>Node</type>
  <managed>true</managed>
<statusPollEnabled>false</statusPollEnabled</pre>
  <status>2</status>
   <failureThreshold>1</failureThreshold>
  <failureCount>0</failureCount>
  <pollInterval>3600</pollInterval>
  <tester>max</tester>
  <classname>Node</classname>
  <groups
class="org.hibernate.collection.PersistentS
et">
      <initialized>true</initialized>
      <owner
class="com.adventnet.nms.topodb.Node"
reference="../.." />
      <cachedSize>-1</cachedSize>
<role>com.adventnet.nms.topodb.ManagedObjec
t.groups</role>
      <key
class="string">XXX.XXX.XXX.XXX</key>
      <dirty>false</dirty>
      <storedSnapshot class="map" />
      <set />
  </groups>
   <members
```



```
class="org.hibernate.collection.PersistentS"
et">
      <initialized>true</initialized>
      <owner
class="com.adventnet.nms.topodb.Node"
reference="../.." />
      <cachedSize>-1</cachedSize>
<role>com.adventnet.nms.topodb.ManagedObjec
t.members</role>
      <key
class="string">XXX.XXX.XXX.XXX</key>
      <dirty>false</dirty>
      <storedSnapshot class="map" />
      <set />
   </members>
   <isGroup>false</isGroup>
   <isContainer>false</isContainer>
   <dynamicProps />
   <userProperties />
   <mappedProperties class="properties" />
   <ipAddress>XXX.XXX.XXX.XXX</ipAddress>
   <netmask>YYY.YYY.YYY.YYY</netmask>
   <community>public</community>
   <version />
   <userName />
   <contextName />
   <writeCommunity>public</writeCommunity>
   <snmpport>161</snmpport>
   <baseMibs />
```



			<isdhcp>false</isdhcp>
			<issnmp>false</issnmp>
			<isinterface>false</isinterface>
			<isrouter>false</isrouter>
			<isnode>true</isnode>
			<isnetwork>false</isnetwork>
			<pre><parentnets></parentnets></pre>
			<string>ZZZ.ZZZ.ZZZ.ZZZ</string>
			<ipaddrs></ipaddrs>
			<string>XXX.XXX.XXX.XXX</string>
POST	fullclassname	<string></string>	com.adventnet.nms.topodb.Node

Status	Response
SUCCESS	<pre><?xml version="1.0" ?> <nmsrestresult></nmsrestresult></pre>
FAILED / NOT PROCESSED	<pre>Empty Input: <?xml version="1.0" ?> <nmsrestresult></nmsrestresult></pre>



```
<timeStamp>Mon Sep 14 14:55:35 IST 2015/timeStamp>
    <error
class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
        <http_code>400</http_code>
        <description>bad_request</description>
    </error>
</NmsRESTResult>
Invalid Input:
<!xml version="1.0" ?>
<NmsRESTResult>
    <status>NOT PROCESSED</status>
    <message>Invalid input for the REST request for the
parameters:obj</message>
    <timeStamp>Mon Sep 14 14:56:07 IST 2015/timeStamp>
    <error
class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
        <http_code>400</http_code>
        <description>bad request</description>
    </error>
</NmsRESTResult>
```

1.6 deleteObject

JSON Format

request

Method	URL
DELETE	https:// <hostname>:<port>/rest/secure/nms/topoapi/deleteobject</port></hostname>

Туре	Params	Values	Sample
DELETE	obj	<string></string>	{
			"tester": "max",



```
"statusPollEnabled": false,
"type": "Node",
"netmask": "YYY.YYY.YYY.YYY",
"isRouter": false,
"version": " ",
"childrenKeys": [],
"parentId": 0,
"isGroup": false,
"name": "XXX.XXX.XXX.XXX",
"isNetwork": false,
"userName": "",
"writeCommunity": "public",
"isContainer": false,
"members": [],
"groups": [],
"contextName": "",
"ipAddress": "XXX.XXX.XXX.XXX",
"pollInterval": 3600,
"userProperties": {},
"failureThreshold": 1,
"parentKey": "NULL",
"status": 2,
"mappedProperties": {},
"classname": "Node",
"community": "public",
"parentNets": [
  "ZZZ.ZZZ.ZZZ"
],
"isSNMP": false,
"snmpport": 161,
"isNode": true,
"managed": true,
"isInterface": false,
"ipaddrs": [
  "XXX.XXX.XXX.XXX"
],
"dynamicProps": [],
"displayName": "XXX.XXX.XXX.XXX",
```



			"isDHCP": false }
DELETE	deletesubelements	<string></string>	true
DELETE	dealwithlocks	<string></string>	true
DELETE	fullclassname	<string></string>	com.adventnet.nms.topodb.Node

```
Status
           Response
             "NmsRESTResult": {
               "message": "Successfully deleted the ManagedObject with
           name:XXX.XXX.XXX.XXX",
SUCCESS
               "resultObject": true,
               "timeStamp": "14 Sep, 2015 3:07:16 PM",
               "status": "SUCCESS"
             }
           Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passed for the
           parameters:obj,fullclassname",
               "error": {
                 "description": "bad_request",
                 "http_code": "400"
FAILED
               "timeStamp": "Mon Sep 14 15:09:58 IST 2015",
               "status": "NOT PROCESSED"
             }
NOT
PROCESSED
           Invalid Input:
```



```
{
  "NmsRESTResult": {
    "message": "Invalid input for the REST request for the parameters:fullclassname,obj,",
    "error": {
        "description": "bad_request",
        "http_code": "400"
      },
      "timeStamp": "Mon Sep 14 15:15:55 IST 2015",
      "status": "NOT PROCESSED"
    }
}
```

request

Method	URL
DELETE	https:// <hostname>:<port>/rest/secure/nms/topoapi/deleteobject</port></hostname>

Туре	Params	Values	Sample
DELETE	obj	<string></string>	<pre><?xml version="1.0" encoding="UTF-8"?> <resultobject class="com.adventnet.nms.topodb.Node"></resultobject></pre>



```
<failureCount>0</failureCount>
  <pollInterval>3600</pollInterval>
  <tester>max</tester>
  <classname>Node</classname>
  <groups
class="org.hibernate.collection.PersistentSet"
      <initialized>true</initialized>
      <owner
class="com.adventnet.nms.topodb.Node"
reference="../.." />
     <cachedSize>-1</cachedSize>
<role>com.adventnet.nms.topodb.ManagedObject.g
roups</role>
      <key
class="string">XXX.XXX.XXX.XXX</key>
     <dirty>false</dirty>
      <storedSnapshot class="map" />
     <set />
  </groups>
   <members
class="org.hibernate.collection.PersistentSet"
     <initialized>true</initialized>
      <owner
class="com.adventnet.nms.topodb.Node"
reference="../.." />
      <cachedSize>-1</cachedSize>
<role>com.adventnet.nms.topodb.ManagedObject.m
```



```
embers</role>
      <key
class="string">XXX.XXX.XXX.XXX</key>
      <dirty>false</dirty>
      <storedSnapshot class="map" />
      <set />
  </members>
  <isGroup>false</isGroup>
   <isContainer>false</isContainer>
  <dynamicProps />
  <userProperties />
   <mappedProperties class="properties" />
  <ipAddress>XXX.XXX.XXX.XXX</ipAddress>
   <netmask>YYY.YYY.YYY.YYY</netmask>
  <community>public</community>
  <version />
  <userName />
  <contextName />
  <writeCommunity>public</writeCommunity>
  <snmpport>161</snmpport>
  <baseMibs />
  <isDHCP>false</isDHCP>
  <isSNMP>false</isSNMP>
  <isInterface>false</isInterface>
   <isRouter>false</isRouter>
   <isNode>true</isNode>
   <isNetwork>false</isNetwork>
   <parentNets>
```



	<string>ZZZ.ZZZ.ZZZ.ZZZ</string>	
	<ipaddrs></ipaddrs>	
	<string>XXX.XXX.XXX.XXX</string>	

Туре	Params	Values	Sample
DELETE	retainuserproperties	<string></string>	true
DELETE	dealwithlocks	<string></string>	true
DELETE	fullclassname	<string></string>	com.adventnet.nms.topodb.Node

Status	Response
	xml version="1.0" ?
	<nmsrestresult></nmsrestresult>
	<status>SUCCESS</status>
SUCCESS	<pre><message>Successfully deleted the ManagedObject with</message></pre>
SUCCESS	name:XXX.XXX.XXX
	<pre><timestamp>14 Sep, 2015 3:23:49 PM</timestamp></pre>
	<resultobject class="boolean">true</resultobject>
	Empty Input:
	xml version="1.0" ?
	<nmsrestresult></nmsrestresult>
	<status>NOT PROCESSED</status>
	<pre><message>Empty argument passed for the</message></pre>
	parameters:obj,dealwithlocks
	<timestamp>Mon Sep 14 15:24:48 IST 2015</timestamp>
	<error< td=""></error<>
	<pre>class="com.webnms.rest.plugin.messagecomposer.NmsRestError"></pre>



```
FAILED
                   <http_code>400</http_code>
                   <description>bad_request</description>
               </error>
NOT
           </NmsRESTResult>
PROCESSED
           Invalid Input:
           <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Invalid input for the REST request for the
           parameters:obj</message>
               <timeStamp>Mon Sep 14 15:24:14 IST 2015/timeStamp>
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http code>400</http code>
                   <description>bad request</description>
               </error>
           </NmsRESTResult>
```

1.7 deleteObjects

JSON Format

request

Method	URL
DELETE	https:// <hostname>:<port>/rest/secure/nms/topoapi/deleteobjects</port></hostname>

input

Туре	Params	Values	Sample
DELETE	classname	<string></string>	Node
DELETE	criteria	<string></string>	{"managed":"false"}



```
Status
           Response
             "NmsRESTResult": {
               "message": "Successfully deleted the objects.",
               "resultObject": "",
SUCCESS
               "timeStamp": "14 Sep, 2015 3:30:44 PM",
               "status": "SUCCESS"
             }
           Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passed for the
           parameters:classname,criteria",
               "error": {
                 "description": "bad_request",
                 "http_code": "400"
               },
               "timeStamp": "Mon Sep 14 15:31:08 IST 2015",
               "status": "NOT PROCESSED"
             }
FAILED
NOT
           Invalid Input:
PROCESSED
             "NmsRESTResult": {
               "message": "Invalid input for the REST request for the
           parameter:criteria",
               "error": {
                 "description": "bad_request",
                 "http code": "400"
               },
               "timeStamp": "Mon Sep 14 15:32:32 IST 2015",
               "status": "NOT PROCESSED"
             }
```



request

Method	URL
DELETE	https:// <hostname>:<port>/rest/secure/nms/topoapi/deleteobjects</port></hostname>

input

Туре	Params	Values	Sample
DELETE	classname	<string></string>	Node
DELETE	criteria	<string></string>	<pre><?xml version="1.0" encoding="UTF-8"?> <pre><pre><pre>cproperties> <pre><pre>cproperty name="managed" value="false" /> </pre></pre></pre></pre></pre></pre>

Status	Bachanga					
Status	Response					
	xml version="1.0" ?					
	<nmsrestresult></nmsrestresult>					
	<status>SUCCESS</status>					
SUCCESS	<message>Successfully deleted the objects.</message>					
	<timestamp>14 Sep, 2015 3:33:53 PM</timestamp>					
	<resultobject class="string"></resultobject>					
	Empty Input:					
	xml version="1.0" ?					
FAILED	<nmsrestresult></nmsrestresult>					
/	<status>NOT PROCESSED</status>					
NOT	<message>Empty argument passed for the</message>					
PROCESSED	parameters:classname					
	<timestamp>Mon Sep 14 15:35:24 IST 2015</timestamp>					
	<error< td=""></error<>					



```
class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
        <http_code>400</http_code>
        <description>bad request</description>
    </error>
</NmsRESTResult>
Invalid Input:
<?xml version="1.0" ?>
<NmsRESTResult>
    <status>NOT PROCESSED</status>
    <message>Invalid input for the REST request for the
parameter:criteria</message>
    <timeStamp>Mon Sep 14 15:35:57 IST 2015</timeStamp>
    <error
class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
        <http_code>400</http_code>
        <description>bad_request</description>
    </error>
</NmsRESTResult>
```

1.8 getCompleteList

JSON Format

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getcompletelist</port></hostname>

Туре	Params	Values	Sample
GET	-	-	-



```
Status
           Response
             "NmsRESTResult": {
               "message": "Successfully retrieved the complete list.",
               "resultObject": [
                 "**nVSatellite",
                 "114.31.192.0",
                  "114.31.194.0"
                  "114.31.196.0"
                  "114.31.198.0"
                  "114.31.199.0"
                  "114.31.201.0"
                  "114.31.202.0"
                  "114.31.204.0"
                  "114.31.206.0"
                  "119.161.84.0",
                  "172.20.209.0",
                  "172.21.0.0",
                  "172.30.1.0"
SUCCESS
                 "172.30.2.0",
                 "172.30.3.0",
                  "172.30.4.0"
                  "172.30.5.0"
                  "172.30.6.0"
                  "172.30.8.0"
                  "175.45.72.0"
                  "192.168.208.0",
                  . . . .
                  . . . .
           ],
               "timeStamp": "14 Jan, 2016 5:27:08 AM",
               "status": "SUCCESS"
             }
           }
FAILED
NOT
PROCESSED
```



request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/topoapi/getcompletelist</port></hostname>

input

Туре	Params	Values	Sample
GET	-	-	-

Status	Response
SUCCESS	<pre>Response <?xml version="1.0" ?> <nmsrestresult></nmsrestresult></pre>
	<pre><string>192.168.208.1</string> <string>192.168.208.112</string> <string>192.168.208.137</string></pre>



```
<string>192.168.209.154
                  <string>192.168.209.186</string>
                  <string>192.168.209.200</string>
                  <string>192.168.209.208</string>
                  <string>192.168.209.217</string>
                  <string>192.168.209.241
                  <string>192.168.209.242</string>
                  <string>192.168.209.249</string>
                  <string>192.168.209.42</string>
                  <string>192.168.209.43</string>
                  <string>192.168.209.47</string>
                  <string>192.168.209.71
                  <string>192.168.209.75</string>
                . . . .
                . . . .
              </resultObject>
          </NmsRESTResult>
FAILED
NOT
PROCESSED
```



2. EventAPI

2.1 getEventByID

JSON Format

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/eventapi/geteventby</port></hostname>
	id

input

Туре	Params	Values	Sample
GET	id	<string></string>	1

```
Status
           Response
             "NmsRESTResult": {
               "message": "Successfully retrieved the event with id 1",
               "resultObject": {
                 "id": 1,
                 "userProperties": {},
                 "time": 1441878645929,
                 "node": "XXX.XXX.XXX.XXX",
                 "category": "Topology",
                 "text": "Network Added to Database",
SUCCESS
                 "source": "XXX.XXX.XXX.XXX",
                 "mappedProperties": {},
                 "entity": "XXX.XXX.XXX.XXX",
                 "severity": 6,
                 "dynamicProps": []
               },
               "timeStamp": "11 Sep, 2015 3:39:49 PM",
```



```
"status": "SUCCESS"
             }
           Empty Argument:
             "NmsRESTResult": {
               "message": "Empty argument passed for the parameter:id",
               "error": {
                 "description": "bad_request",
                 "http code": "400"
               },
               "timeStamp": "Fri Sep 11 15:38:49 IST 2015",
               "status": "NOT PROCESSED"
             }
FAILED
           Invalid Input:
NOT
PROCESSED
             "NmsRESTResult": {
               "message": "Invalid input for the REST request for the
           parameter:id",
               "error": {
                 "description": "bad_request",
                 "http code": "400"
               },
               "timeStamp": "Fri Sep 11 15:39:21 IST 2015",
               "status": "NOT PROCESSED"
             }
```



request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/eventapi/geteventbyid</port></hostname>

input

Туре	Params	Values	Sample
GET	Id	<string></string>	1

Response		
xml version="1.0" ?		
<nmsrestresult></nmsrestresult>		
<status>SUCCESS</status>		
<pre><message>Successfully retrieved the event with id 1</message></pre>		
<timestamp>11 Sep, 2015 3:40:24 PM</timestamp>		
<resultobject class="com.adventnet.nms.eventdb.Event"></resultobject>		
<id>1</id>		
<text>Network Added to Database</text>		
<category>Topology</category>		
<node>XXX.XXX.XXX.XXX</node>		
<entity>XXX.XXX.XXX</entity>		
<severity>6</severity>		
<time>1441878645929</time>		
<source/> XXX.XXX.XXX.XXX		
<dynamicprops></dynamicprops>		
<userproperties></userproperties>		
<mappedproperties class="properties"></mappedproperties>		



</NmsRESTResult>

```
Empty Argument:
           <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Empty argument passed for the parameter:id</message>
               <timeStamp>Fri Sep 11 15:41:03 IST 2015</timeStamp>
               <error
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http code>400</http code>
                   <description>bad request</description>
               </error>
           </NmsRESTResult>
FAILED
          Invalid Input:
NOT
PROCESSED
          <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Invalid input for the REST request for the
           parameter:id</message>
               <timeStamp>Fri Sep 11 15:41:49 IST 2015</timeStamp>
               <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http code>400</http code>
                   <description>bad request</description>
               </error>
           </NmsRESTResult>
```

2.2 getObjects

JSON Format(Without Pagination)
request



Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/eventapi/getobjects</port></hostname>

input

Туре	Params	Values	Sample
GET	classname	<string></string>	Event
GET	criteria	<url encoded="" json="" string=""></url>	%7B%22severity%22%3A%222%22%7D Note: URL encoded for the string {"severity":"2"}

```
Response
Status
             "NmsRESTResult": {
               "message": "Successfully retrieved the objects.",
               "resultObject": [
                 {
                   "userProperties": {},
                   "text": "Interface failure. Status poll failed.",
                   "groupName": "rest-test",
                   "webNMS": "",
                   "mappedProperties": {},
                   "entity": "IF-rest-test",
                   "severity": 2,
SUCCESS
                   "id": 133,
                   "category": "Topology",
                   "node": "rest-test",
                   "time": 1441883632736,
                   "source": "IF-rest-test",
                   "dynamicProps": []
                 },
                 {
                   "id": 134,
                   "userProperties": {},
```



```
"time": 1441883632969,
                   "node": "ZZZ.ZZZ.ZZZ.ZZZ",
                   "category": "Topology",
                   "text": "At least one node on this net is in failure state.",
                   "source": "ZZZ.ZZZ.ZZZ.ZZZ",
                   "mappedProperties": {},
                   "entity": "ZZZ.ZZZ.ZZZ.ZZZ",
                   "severity": 2,
                   "dynamicProps": []
                 }
                 . . . .
               ],
               "timeStamp": "11 Sep, 2015 3:44:10 PM",
               "status": "SUCCESS"
             }
           Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passed for
           parameters:classname,criteria",
               "error": {
                 "description": "bad_request",
                 "http code": "400",
                 "code": ""
FAILED
               "timeStamp": "Fri Sep 11 15:47:52 IST 2015",
               "status": "NOT PROCESSED"
NOT
PROCESSED
           Invalid Input:
```



```
"NmsRESTResult": {
    "message": "Invalid input for the REST request for the
parameter:criteria",
    "error": {
        "description": "bad_request",
        "http_code": "400",
        "code": ""
     },
     "timeStamp": "Fri Sep 11 15:50:32 IST 2015",
     "status": "NOT PROCESSED"
     }
}
```

XML Format (Without Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/eventapi/getobjects</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	Event
GET	criteria	<url encoded<br="">XML String></url>	%3Cproperties%3E%3Cproperty%20name%3D%2 2severity%22%20value%3D%222%22%3E%3C%2F property%3E%3C%2Fproperties%3E Note: This is URL encoded value of the String <pre> <pre> <pre> <pre> <pre></pre></pre></pre></pre></pre>



Status	Response				
	xml version="1.0" ?				
	<nmsrestresult></nmsrestresult>				
	<status>SUCCESS</status>				
	<pre><message>Successfully retrieved the objects.</message></pre>				
	<timestamp>11 Sep, 2015 3:52:31 PM</timestamp>				
	<resultobject class="vector"></resultobject>				
	<com.adventnet.nms.eventdb.event></com.adventnet.nms.eventdb.event>				
	<id>133</id>				
	<text>Interface failure. Status poll failed.</text>				
	<category>Topology</category>				
	<node>rest-test</node>				
	<entity>IF-rest-test</entity>				
	<severity>2</severity>				
	<time>1441883632736</time>				
	<source/> IF-rest-test				
	<webnms></webnms>				
	<pre><groupname>rest-test</groupname></pre>				
	<dynamicprops></dynamicprops>				
	<userproperties></userproperties>				
SUCCESS	<pre><mappedproperties class="properties"></mappedproperties></pre>				
	<com.adventnet.nms.eventdb.event></com.adventnet.nms.eventdb.event>				
	<id>134</id>				
	<text>At least one node on this net is in failure</text>				
	state.				
	<category>Topology</category>				
	<node>ZZZ.ZZZ.ZZZ.ZZZ</node>				
	<pre><entity>ZZZ.ZZZ.ZZZ</entity></pre>				
	<severity>2</severity>				
	<time>1441883632969</time>				
	<source/> ZZZ.ZZZ.ZZZ				
	<dynamicprops></dynamicprops>				
	<userproperties></userproperties>				
	<pre><mappedproperties class="properties"></mappedproperties></pre>				



```
</resultObject>
           </NmsRESTResult>
          Invalid Input:
           <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
              <message>Empty argument passed for parameters:classname</message>
              <timeStamp>Fri Sep 11 15:54:11 IST 2015</timeStamp>
               <error
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http_code>400</http_code>
                   <code></code>
                   <description>bad request</description>
               </error>
FAILED
           </NmsRESTResult>
          Empty Input:
          <?xml version="1.0" ?>
NOT
           <NmsRESTResult>
PROCESSED
               <status>NOT PROCESSED</status>
               <message>Invalid input for the REST request for the
          parameter:criteria</message>
               <timeStamp>Fri Sep 11 15:54:48 IST 2015</timeStamp>
               <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http_code>400</http_code>
                   <code></code>
                   <description>bad_request</description>
               </error>
           </NmsRESTResult>
```



JSON Format(With Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/eventapi/getobjects</port></hostname>

input

Туре	Params	Values	Sample
GET	classname	<string></string>	Event
GET	criteria	<url encoded JSON String></url 	%7B%22severity%22%3A%222%22%7D Note: URL encoded value for the JSON string {"severity":"2"}
GET	needpagination	<string></string>	true
GET	startindex	<string></string>	1
GET	endindex	<string></string>	3

```
Status
          Response
             "NmsRESTResult": {
               "message": "Successfully retrieved the objects.",
               "resultObject": [
                 {
                   "id": "135",
                   "groupName": "rest-test",
                   "text": "Node failure. This probably means one or more
SUCCESS
           interfaces have failed.",
                   "node": "rest-test",
                   "time": "1441883633010",
                   "category": "Topology",
                   "source": "rest-test",
                   "entity": "rest-test",
```



```
"severity": "2"
      },
      {
        "id": "134",
        "text": "At least one node on this net is in failure state.",
        "time": "1441883632969",
        "category": "Topology",
        "node": "ZZZ.ZZZ.ZZZ.ZZZ",
        "source": "ZZZ.ZZZ.ZZZ.ZZZ",
        "entity": "ZZZ.ZZZ.ZZZ.ZZZ",
        "severity": "2"
      },
      {
        "id": "133",
        "groupName": "rest-test",
        "text": "Interface failure. Status poll failed.",
        "node": "rest-test",
        "time": "1441883632736",
        "category": "Topology",
        "source": "IF-rest-test",
        "webNMS": "",
        "entity": "IF-rest-test",
        "severity": "2"
     }
    ],
    "timeStamp": "11 Sep, 2015 3:59:48 PM",
    "status": "SUCCESS",
    "pagination": {
      "totalLength": 246,
      "startIndex": 1,
      "nextURL": ##URL String##,
      "endIndex": 3
   }
 }
Empty Input:
```



```
"NmsRESTResult": {
               "message": "Empty argument passed for parameters:classname",
               "error": {
FAILED
                 "description": "bad_request",
                 "http code": "400",
                 "code": ""
NOT
               },
PROCESSED
               "timeStamp": "Fri Sep 11 16:01:35 IST 2015",
               "status": "NOT PROCESSED"
             }
           Invalid Input:
             "NmsRESTResult": {
               "message": "Invalid input for the REST request for the
           parameter:criteria",
               "error": {
                 "description": "bad_request",
                 "http_code": "400",
                 "code": ""
               },
               "timeStamp": "Fri Sep 11 16:03:19 IST 2015",
               "status": "NOT PROCESSED"
             }
```

XML Format (With Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/eventapi/getobjects</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	Event



GET	criteria	<url encoded XML String></url 	%3Cproperties%3E%3Cproperty%20name%3D%2 2severity%22%20value%3D%222%22%3E%3C%2F property%3E%3C%2Fproperties%3E Note: URL encoded format of the XML String <pre> <pre> <pre>cproperties><pre><pre>property name="severity"</pre> value="2"></pre></pre></pre></pre>
GET	needpagination	<string></string>	true
GET	startindex	<string></string>	1
GET	endindex	<string></string>	3

Status	Response
	xml version="1.0" ?
	<nmsrestresult></nmsrestresult>
	<status>SUCCESS</status>
	<pre><message>Successfully retrieved the objects.</message></pre>
	<timestamp>11 Sep, 2015 3:56:17 PM</timestamp>
	<resultobject class="vector"></resultobject>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
	<pre><pre><pre><pre>property name="id" value="135"></pre></pre></pre></pre>
	<pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre>
	<pre><pre><pre><pre>property name="time"</pre></pre></pre></pre>
	value="1441883633010">
	<pre><pre><pre><pre>property name="node" value="rest-test"></pre></pre></pre></pre>
	<pre><pre><pre><pre><pre><pre>property</pre> value="rest-test"></pre></pre></pre></pre></pre>
SUCCESS	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
JUCCESS	probably means one or more interfaces have failed.">
	<pre><pre><pre><pre>property name="groupName" value="rest-</pre></pre></pre></pre>
	test">
	<pre><pre><pre><pre>property name="severity" value="2"></pre></pre></pre></pre>
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>



```
cproperty name="entity"
          value="ZZZ.ZZZ.ZZZ.ZZZ"></property>
                      roperty name="severity" value="2">
                      roperty name="node"
          value="ZZZ.ZZZ.ZZZ.ZZZ"></property>
                      category" value="Topology">
                      cproperty name="source"
          value="ZZZ.ZZZ.ZZZ.ZZZ"></property>
                      roperty name="time"
          value="1441883632969"></property>
                      cproperty name="text" value="At least one node on this
          net is in failure state."></property>
                      roperty name="id" value="134">
                  </properties>
                  . . . .
                  . . . .
              </resultObject>
              <pagination>
                  <startIndex>1</startIndex>
                  <endIndex>3</endIndex>
                  <nextURL>##URL String##</nextURL>
                  <totalLength>246</totalLength>
              </pagination>
          </NmsRESTResult>
          Empty Input:
          <?xml version="1.0" ?>
          <NmsRESTResult>
              <status>NOT PROCESSED</status>
              <message>Empty argument passed for
FAILED
          parameters:classname</message>
              <timeStamp>Fri Sep 11 15:58:21 IST 2015</timeStamp>
              <error
NOT
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
PROCESSED
                  <http_code>400</http_code>
                  <code></code>
                  <description>bad request</description>
```



```
</error>
</NmsRESTResult>
Invalid Input:
<?xml version="1.0" ?>
<NmsRESTResult>
    <status>NOT PROCESSED</status>
    <message>Invalid input for the REST request for the
parameter:criteria</message>
    <timeStamp>Fri Sep 11 15:59:02 IST 2015</timeStamp>
    <error
class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
        <http code>400</http code>
        <code></code>
        <description>bad_request</description>
    </error>
</NmsRESTResult>
```

2.3 getObjectPropsWithProps

JSON Format (Without Pagination) request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/eventapi/getobjectpropsw ithprops</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	Event
GET	fetchproperties	<url encoded JSON</url 	%5B%22id%22%2C%22entity%22%2C%22source% 22%2C%22text%22%5D%0A



		String>	
			Note: URL encoded format of the string
			["id","entity","source","text"]
GET	criteria	<url encoded JSON String></url 	%7B%22severity%22%3A%222%22%7D%0A Note: URL encoded value of the string {"severity":"2"}
GET	returnasprops	<string></string>	true

```
Status
          Response
             "NmsRESTResult": {
               "message": "Successfully retrieved the objects.",
               "resultObject": [
                 {
                   "id": "133",
                   "text": "Interface failure. Status poll failed.",
                   "source": "IF-rest-test",
                   "entity": "IF-rest-test"
                 },
                 {
                   "id": "134",
                   "text": "At least one node on this net is in failure state.",
SUCCESS
                   "source": "ZZZ.ZZZ.ZZZ.ZZZ",
                   "entity": "ZZZ.ZZZ.ZZZ.ZZZ"
                 },
                 {
                   "id": "135",
                   "text": "Node failure. This probably means one or more
           interfaces have failed.",
                   "source": "rest-test",
                   "entity": "rest-test"
                 }
```



```
. . . .
                ],
               "timeStamp": "11 Sep, 2015 4:05:02 PM",
               "status": "SUCCESS"
             }
           Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passedfor the
           parameters:classname,fetchproperties,criteria",
               "error": {
                 "description": "bad_request",
                 "http code": "400",
                 "code": ""
               },
               "timeStamp": "Fri Sep 11 16:06:26 IST 2015",
               "status": "NOT PROCESSED"
             }
FAILED
           Invalid Input:
NOT
PROCESSED
             "NmsRESTResult": {
               "message": "Invalid input for the REST request for
           parameters:criteria,fetchproperties",
               "error": {
                 "description": "bad_request",
                 "http_code": "400",
                 "code": ""
               },
               "timeStamp": "Fri Sep 11 16:07:25 IST 2015",
               "status": "NOT PROCESSED"
             }
```



XML Format (Without Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/eventapi/getobjectpropsw ithprops</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	Event
GET	fetchproperties	<url encoded XML String></url 	%3Cstring- array%3E%3Cstring%3Eid%3C%2Fstring%3E%3 Cstring%3Eentity%3C%2Fstring%3E%3Cstrin g%3Esource%3C%2Fstring%3E%3Cstring%3Ete xt%3C%2Fstring%3E%3C%2Fstring-array%3E Note: URL encoded value for the XML string <string- array=""><string>id</string><string>entity </string><string><string> >text</string></string></string->
GET	criteria	<url encoded XML String></url 	%3Cproperties%3E%3Cproperty%20name%3D%2 2severity%22%20value%3D%222%22%3E%3C%2F property%3E%3C%2Fproperties%3E Note: URL encoded value for the XML string <pre> <pre> <pre> <pre></pre></pre></pre></pre>
GET	returnasprops	<string></string>	true



Status	Response				
	xml version="1.0" ?				
	<nmsrestresult></nmsrestresult>				
	<status>SUCCESS</status>				
	<pre><message>Successfully retrieved the objects.</message></pre>				
	<timestamp>11 Sep, 2015 4:08:27 PM</timestamp>				
	<resultobject class="vector"></resultobject>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre>property name="entity" value="IF-rest-</pre></pre></pre></pre>				
	test">				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	test">				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	Status poll failed.">				
	<pre><pre><pre><pre><pre><pre>property</pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	value="ZZZ.ZZZ.ZZZ">				
CHCCECC	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
SUCCESS	value="ZZZ.ZZZ.ZZZ">				
	<pre><pre><pre><pre><pre><pre></pre></pre></pre> <pre><pre><pre></pre></pre></pre> <pre><pre><pre><pre><pre><pre></pre></pre></pre> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	net is in failure state.">				
	<pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	probably means one or more interfaces have failed.">				
	<pre></pre>				
	<pre></pre>				
	, proper class				
	1				



```
</NmsRESTResult>
           Empty Input:
           <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Empty argument passedfor the
          parameters:classname,fetchproperties,criteria</message>
               <timeStamp>Fri Sep 11 16:10:14 IST 2015</timeStamp>
               <error
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http_code>400</http_code>
                   <code></code>
                   <description>bad_request</description>
               </error>
           </NmsRESTResult>
FAILED
           Invalid Input:
NOT
PROCESSED
          <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Invalid input for the REST request for
           parameters:criteria,fetchproperties</message>
               <timeStamp>Fri Sep 11 16:11:18 IST 2015</timeStamp>
               <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http_code>400</http_code>
                   <code></code>
                   <description>bad request</description>
               </error>
           </NmsRESTResult>
```

JSON Format (With Pagination)

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/eventapi/getobjectpropsw</port></hostname>



ithprops

input

Туре	Params	Values	Sample
GET	classname	<string></string>	Event
GET	fetchproperties	<url encoded JSON String></url 	%5B%22id%22%2C%22entity%22%2C%22source% 22%2C%22text%22%5D%0A Note: URL encoded value for the JSON string ["id","entity","source","text"]
GET	criteria	<url encoded JSON String></url 	%7B%22severity%22%3A%222%22%7D%0A Note: URL encoded value for the JSON string {"severity":"2"}
GET	returnasprops	<string></string>	true
GET	needpagination	<string></string>	true
GET	startindex	<string></string>	1
GET	endindex	<string></string>	3

```
Status Response

{
    "NmsRESTResult": {
        "message": "Successfully retrieved the objects.",
        "resultObject": [
        {
            "id": "135",
            "groupName": "rest-test",
            "text": "Node failure. This probably means one or more
```



```
interfaces have failed.",
        "node": "rest-test",
        "time": "1441883633010",
        "category": "Topology",
        "source": "rest-test",
        "entity": "rest-test",
        "severity": "2"
      },
      {
        "id": "134",
        "text": "At least one node on this net is in failure state.",
        "time": "1441883632969",
        "category": "Topology",
        "node": "ZZZ.ZZZ.ZZZ.ZZZ",
        "source": "ZZZ.ZZZ.ZZZ.ZZZ",
        "entity": "ZZZ.ZZZ.ZZZ.ZZZ",
        "severity": "2"
      },
      . . . .
      . . . .
    "timeStamp": "11 Sep, 2015 5:48:20 PM",
    "status": "SUCCESS",
    "pagination": {
      "totalLength": 258,
      "startIndex": 1,
      "nextURL": ##URL String##,
      "endIndex": 3
    }
  }
Empty Input:
  "NmsRESTResult": {
    "message": "Empty argument passed for the
parameters:classname,criteria",
```



```
"error": {
                 "description": "bad_request",
FAILED
                 "http code": "400",
                 "code": ""
NOT
PROCESSED
               "timeStamp": "Fri Sep 11 17:52:02 IST 2015",
               "status": "NOT PROCESSED"
             }
           Invalid Input:
             "NmsRESTResult": {
               "message": "Invalid input for the REST request for
           parameters:criteria,fetchproperties",
               "error": {
                 "description": "bad_request",
                 "http_code": "400",
                 "code": ""
               },
               "timeStamp": "Fri Sep 11 17:53:18 IST 2015",
               "status": "NOT PROCESSED"
             }
```

XML Format (with Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/eventapi/getobjectpropsw ithprops</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	Event



GET	fetchproperties	<url encoded XML String></url 	%3Cstring- array%3E%3Cstring%3Eid%3C%2Fstring%3E%3 Cstring%3Eentity%3C%2Fstring%3E%3Cstrin g%3Esource%3C%2Fstring%3E%3Cstring%3Ete xt%3C%2Fstring%3E%3C%2Fstring-array%3E Note: URL encoded string for the XML string <string- array=""><string>id</string><string>entity </string><string><string> >text</string></string></string->
GET	criteria	<url encoded XML String></url 	%3Cproperties%3E%3Cproperty%20name%3D%2 2severity%22%20value%3D%222%22%3E%3C%2F property%3E%3C%2Fproperties%3E Note: URL encoded value for the XML string <pre> <pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>
GET	returnasprops	<string></string>	true
GET	needpagination	<string></string>	true
GET	startindex	<string></string>	1
GET	endindex	<string></string>	3

Status	Response				
	xml version="1.0" ?				
	<nmsrestresult></nmsrestresult>				
	<status>SUCCESS</status>				
	<pre><message>Successfully retrieved the objects.</message></pre>				
	<timestamp>11 Sep, 2015 5:56:11 PM</timestamp>				
	<resultobject class="vector"></resultobject>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				



```
roperty name="source" value="rest-test">
                   coperty name="id" value="135">
                   category" value="Topology">
                   roperty name="time" value="1441883633010">
                   roperty name="node" value="rest-test">
                   roperty name="entity" value="rest-test">
SUCCESS
                   roperty name="text" value="Node failure. This probably
         means one or more interfaces have failed."></property>
                   cproperty name="groupName" value="rest-test">
                   roperty name="severity" value="2">
               </properties>
               properties>
                   cproperty name="entity"
         value="ZZZ.ZZZ.ZZZ.ZZZ"></property>
                   roperty name="severity" value="2">
                   cproperty name="node" value="ZZZ.ZZZ.ZZZ.ZZZ">
                   category" value="Topology">
                   cproperty name="source"
         value="ZZZ.ZZZ.ZZZ.ZZZ"></property>
                   cproperty name="time" value="1441883632969"></property>
                   roperty name="text" value="At least one node on this net
         is in failure state."></property>
                   coperty name="id" value="134">
               </properties>
               properties>
                   cproperty name="source" value="IF-rest-test">
                   roperty name="id" value="133">
                   property name="category" value="Topology">
                   cproperty name="time" value="1441883632736"></property>
                   cproperty name="node" value="rest-test"></property>
                   roperty name="entity" value="IF-rest-test">
                   roperty name="webNMS" value="">
                   property name="text" value="Interface failure. Status
         poll failed."></property>
                   cproperty name="groupName" value="rest-test">
                   roperty name="severity" value="2">
               </properties>
            </resultObject>
```



```
<pagination>
                   <startIndex>1</startIndex>
                   <endIndex>3</endIndex>
                   <nextURL>##URL String##</nextURL>
                   <totalLength>262</totalLength>
               </pagination>
           </NmsRESTResult>
           Empty Input:
           <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Empty argument passed for the
           parameters:classname,fetchproperties,criteria</message>
               <timeStamp>Fri Sep 11 17:57:04 IST 2015</timeStamp>
               <error
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http_code>400</http_code>
                   <code></code>
                   <description>bad_request</description>
               </error>
           </NmsRESTResult>
FAILED
          Invalid Input:
NOT
PROCESSED
          <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Invalid input for the REST request for
           parameters:criteria,fetchproperties</message>
               <timeStamp>Fri Sep 11 17:57:55 IST 2015</timeStamp>
               <error
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http code>400</http code>
                   <code></code>
                   <description>bad request</description>
               </error>
           </NmsRESTResult>
```



3. AlertAPI

3.1 get0jects

JSON Format(Without Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/alertapi/getobjects</port></hostname>

input

Туре	Params	Values	Sample
GET	classname	<string></string>	Alert
GET	criteria	<pre><url encoded="" json="" string=""></url></pre>	%7B%22severity%22%3A%222%22%7D%0A Note: URL encoded value for the string {"severity":"2"}

```
Status
           Response
             "NmsRESTResult": {
               "message": "Successfully retrieved the objects.",
               "resultObject": [
                 {
                   "createTime": 1441886038525,
                   "groupName": "rest-test1",
                   "mappedProperties": {},
                   "entity": "rest-test1",
SUCCESS
                   "severity": 2,
                   "id": 768,
                   "message": "Node failure. This probably means one or more
           interfaces have failed.",
                   "modTime": 1441974002945,
```



```
"category": "Topology",
        "previousSeverity": 5,
        "source": "rest-test1",
        "priority": 0,
        "dynamicProps": []
      },
      {
        "message": "At least one node on this net is in failure
state.",
        "id": 207,
        "modTime": 1441887310940,
        "createTime": 1441887310940,
        "previousSeverity": -1,
        "category": "Topology",
        "source": "XXX.XXX.XXX.XXX",
        "priority": 0,
        "mappedProperties": {},
        "entity": "XXX.XXX.XXX.XXX",
        "severity": 2,
        "dynamicProps": []
      },
        "createTime": 1441887310965,
        "groupName": "YYY.YYY.YYY.YYY",
        "mappedProperties": {},
        "entity": "YYY.YYY.YYY.YYY",
        "severity": 2,
        "id": 766,
        "message": "Node failure. This probably means one or more
interfaces have failed.",
        "modTime": 1441973930928,
        "category": "Topology",
        "previousSeverity": 5,
        "source": "YYY.YYY.YYY.YYY",
        "priority": 0,
        "dynamicProps": []
      }
      ],
```



```
"timeStamp": "11 Sep, 2015 6:22:17 PM",
               "status": "SUCCESS"
             }
           Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passed for the
           parameters:classname,criteria",
               "error": {
                 "description": "bad_request",
                 "http_code": "400"
               },
               "timeStamp": "Fri Sep 11 18:26:18 IST 2015",
               "status": "NOT PROCESSED"
             }
FAILED
           Invalid Input:
NOT
PROCESSED 
             "NmsRESTResult": {
               "message": "Invalid input for the REST request for the
           parameters:criteria",
               "error": {
                 "description": "bad_request",
                 "http_code": "400"
               "timeStamp": "Fri Sep 11 18:26:40 IST 2015",
               "status": "NOT PROCESSED"
             }
```



XML Format (without Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/alertapi/getobjects</port></hostname>

input

Туре	Params	Values	Sample
GET	classname	<string></string>	Alert
GET	criteria	<url encoded XML String></url 	%3Cproperties%3E%3Cproperty%20name%3D%22sev erity%22%20value%3D%222%22%3E%3C%2Fproperty %3E%3C%2Fproperties%3E Note: This is URL encoded value for the String <properties><property <br="" name="severity">value="2"></property></properties>

Status	Response				
	xml version="1.0" ?				
	<nmsrestresult></nmsrestresult>				
	<status>SUCCESS</status>				
	<pre><message>Successfully retrieved the objects.</message></pre>				
	<pre><timestamp>11 Sep, 2015 6:28:36 PM</timestamp></pre>				
	<resultobject class="vector"></resultobject>				
	<com.adventnet.nms.alertdb.alert></com.adventnet.nms.alertdb.alert>				
	<id>768</id>				
SUCCESS	<pre><groupname>rest-test1</groupname></pre>				
	<category>Topology</category>				
	<severity>2</severity>				
	<pre><previousseverity>5</previousseverity></pre>				



```
<entity>rest-test1</entity>
                              <createTime>1441886038525</createTime>
                              <modTime>1441974002945</modTime>
                              <message>Node failure. This probably means one or more
              interfaces have failed.</message>
                              <source>rest-test1</source>
                              <dynamicProps></dynamicProps>
                              <priority>0</priority>
                              <mappedProperties class="properties"></mappedProperties>
                        </com.adventnet.nms.alertdb.Alert>
                        <com.adventnet.nms.alertdb.Alert>
                              <id>207</id>
                              <category>Topology</category>
                              <severity>2</severity>
                              oreviousSeverity>-1iousSeverity>
                              <entity>XXX.XXX.XXX.XXX/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
                              <createTime>1441887310940</createTime>
                              <modTime>1441887310940</modTime>
                              <message>At least one node on this net is in failure
              state.</message>
                              <source>XXX.XXX.XXX.XXX
                              <dynamicProps></dynamicProps>
                              <priority>0</priority>
                              <mappedProperties class="properties"></mappedProperties>
                        </com.adventnet.nms.alertdb.Alert>
                         . . . .
                         . . . .
                   </resultObject>
              </NmsRESTResult>
              Empty Input:
              <?xml version="1.0" ?>
              <NmsRESTResult>
                   <status>NOT PROCESSED</status>
FAILED
                   <message>Empty argument passed for the
              parameters:classname,criteria</message>
```



```
<timeStamp>Fri Sep 11 18:30:27 IST 2015</timeStamp>
               <error
NOT
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
PROCESSED
                   <http_code>400</http_code>
                   <description>bad_request</description>
               </error>
           </NmsRESTResult>
           <u>Invalid Input:</u>
           <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Invalid input for the REST request for the
           parameters:criteria</message>
               <timeStamp>Fri Sep 11 18:31:34 IST 2015/timeStamp>
               <error
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http_code>400</http_code>
                   <description>bad request</description>
               </error>
           </NmsRESTResult>
```

JSON Format(with Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/alertapi/getobjects</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	Alert
GET criteria	criteria	encoded JSON	%7B%22severity%22%3A%222%22%7D
		String>	Note: URL encoded of JSON string



			{"severity":"2"}
GET	needpagination	<string></string>	true
GET	startindex	<string></string>	1
GET	endindex	<string></string>	3

Status	Response
Status	<pre>{ "NmsRESTResult": { "message": "Successfully retrieved the objects.", "resultObject": [{ "message": "Node failure. This probably means one or more interfaces have failed.", "id": "215", "createTime": "1441888639547", "modTime": "1441888639547", "groupName": "XXX.XXX.XXXX.XXXX", "category": "Topology", "previousSeverity": "-1", "source": "XXX.XXX.XXXX.XXXX", "entity": "XXX.XXXX.XXXX", "severity": "2" }, {</pre>
SUCCESS	}, {



```
"entity": "IF-XXX.XXX.XXX.XXX",
                   "severity": "2"
                 },
                 . . . .
                 . . . .
                 ],
               "timeStamp": "11 Sep, 2015 6:38:27 PM",
               "status": "SUCCESS",
               "pagination": {
                 "totalLength": 144,
                 "startIndex": 1,
                 "nextURL": ##URL String##,
                 "endIndex": 3
               }
             }
           Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passed for the
           parameters:classname,criteria",
               "error": {
                 "description": "bad_request",
                 "http code": "400"
               },
               "timeStamp": "Fri Sep 11 18:40:58 IST 2015",
FAILED
               "status": "NOT PROCESSED"
             }
NOT
PROCESSED
           Invalid Input:
             "NmsRESTResult": {
               "message": "Invalid input for the REST request for the
           parameters:criteria",
```



```
"error": {
    "description": "bad_request",
    "http_code": "400"
    },
    "timeStamp": "Fri Sep 11 18:41:27 IST 2015",
    "status": "NOT PROCESSED"
    }
}
```

XML Format (With Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/alertapi/getobjects</port></hostname>

input

Туре	Params	Values	Sample
GET	classname	<string></string>	Alert
GET	criteria	<url encoded XML String></url 	%3Cproperties%3E%3Cproperty%20name%3D%2 2severity%22%20value%3D%222%22%3E%3C%2F property%3E%3C%2Fproperties%3E Note: URL encoded value for the XML String <pre> <pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>
GET	needpagination	<string></string>	true
GET	startindex	<string></string>	1
GET	endindex	<string></string>	3

Status	Response
	xml version="1.0" ? <nmsrestresult></nmsrestresult>



```
<status>SUCCESS</status>
             <message>Successfully retrieved the objects.</message>
             <timeStamp>11 Sep, 2015 6:35:53 PM</timeStamp>
             <resultObject class="vector">
                cproperties>
                    cproperty name="source"
SUCCESS
         value="XXX.XXX.XXX.XXX"></property>
                    cproperty name="previousSeverity" value="-1">
                    roperty name="modTime" value="1441888639547">
                    cproperty name="id" value="215"></property>
                    category" value="Topology">
                    cproperty name="entity"
         value="XXX.XXX.XXX.XXX"></property>
                    property name="createTime"
         value="1441888639547"></property>
                    roperty name="groupName"
         value="XXX.XXX.XXX.XXX"></property>
                    property name="message" value="Node failure. This
         probably means one or more interfaces have failed."></property>
                    roperty name="severity" value="2">
                </properties>
                cproperties>
                    property name="source" value="IF-
         XXX.XXX.XXX"></property>
                    cproperty name="previousSeverity" value="-1">
                    cproperty name="modTime" value="1441888639297"></property>
                    roperty name="id" value="214">
                    category" value="Topology">
                    roperty name="entity" value="IF-
         XXX.XXX.XXX.XXX"></property>
                    roperty name="webNMS" value="">
                    cproperty name="createTime"
         value="1441888639297"></property>
                    cproperty name="groupName"
         value="XXX.XXX.XXX.XXX"></property>
                    roperty name="message" value="Interface failure. Status
         poll failed.">
                    roperty name="severity" value="2">
```



```
</properties>
                  properties>
                      cproperty name="source"
          value="XXX.XXX.XXX.XXX"></property>
                      cproperty name="previousSeverity" value="-1">c/property>
                      cproperty name="modTime" value="1441887310940"></property>
                      coperty name="id" value="207">
                      category" value="Topology">
                      cproperty name="entity"
          value="XXX.XXX.XXX.XXX"></property>
                      cproperty name="createTime"
          value="1441887310940"></property>
                      roperty name="message" value="At least one node on this
          net is in failure state."></property>
                      roperty name="severity" value="2">
                  </properties>
              </resultObject>
              <pagination>
                  <startIndex>1</startIndex>
                  <endIndex>3</endIndex>
                  <nextURL>##URL String##</nextURL>
                  <totalLength>146</totalLength>
              </pagination>
          </NmsRESTResult>
          Empty Input:
          <?xml version="1.0" ?>
          <NmsRESTResult>
              <status>NOT PROCESSED</status>
              <message>Empty argument passed for the
          parameters:classname,criteria</message>
FATLED
              <timeStamp>Fri Sep 11 18:37:10 IST 2015</timeStamp>
              <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
NOT
                  <http code>400</http code>
PROCESSED.
                  <description>bad_request</description>
              </error>
          </NmsRESTResult>
```



3.2 getObjectPropsWithProps

JSON Format (Without Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/alertapi/getobjectpropsw ithprops</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	Alert
GET	fetchproperties	<url encoded JSON String></url 	%5B%22id%22%2C%22entity%22%2C%22source% 22%2C%22message%22%5D%0A Note: URL encoded value for the string ["id","entity","source","message"]
GET	criteria	<url encoded</url 	%7B%22severity%22%3A%222%22%7D%0A



		JSON String>	Note: URL encoded format of the string {"severity":"2"}
GET	returnasprops	<string></string>	true

```
Status
           Response
             "NmsRESTResult": {
               "message": "Successfully retrieved the objects.",
               "resultObject": [
                 {
                   "id": "207",
                   "message": "At least one node on this net is in failure
           state.",
                   "source": "XXX.XXX.XXX.XXX",
                   "entity": "XXX.XXX.XXX.XXX"
                 },
                 {
                   "id": "766",
SUCCESS
                   "message": "Node failure. This probably means one or more
           interfaces have failed.",
                   "source": "YYY.YYY.YYY.YYY",
                   "entity": "YYY.YYY.YYY.YYY"
                 },
                 . . . .
                 . . . .
                 . . . .
               ],
               "timeStamp": "11 Sep, 2015 6:49:23 PM",
               "status": "SUCCESS"
             }
```



```
Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passed for the
           parameters:classname,fetchproperties,criteria",
               "error": {
                 "description": "bad_request",
                 "http_code": "400",
                 "code": ""
               },
               "timeStamp": "Fri Sep 11 18:52:35 IST 2015",
               "status": "NOT PROCESSED"
             }
FAILED
           Invalid Input:
NOT
PROCESSED
             "NmsRESTResult": {
               "message": "Invalid input for the REST request for
           parameters:criteria,fetchproperties",
               "error": {
                 "description": "bad_request",
                 "http code": "400",
                 "code": ""
               },
               "timeStamp": "Fri Sep 11 18:59:58 IST 2015",
               "status": "NOT PROCESSED"
             }
```

XML Format (Without Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/alertapi/getobjectpropsw ithprops</port></hostname>



input

Туре	Params	Values	Sample
GET	classname	<string></string>	Alert
GET	fetchproperties	<url encoded<br="">XML String></url>	%3Cstring- array%3E%3Cstring%3Eid%3C%2Fstring%3E%3Cstr ing%3Eentity%3C%2Fstring%3E%3Cstring%3Esour ce%3C%2Fstring%3E%3Cstring%3Emessage%3C%2Fs tring%3E%3C%2Fstring-array%3E%0A%0A%0A Note: URL encoded value string for the XML string <string- array=""><string>id</string><string>entity<string>source</string><string>message </string></string><string>message</string></string->
GET	criteria	<url encoded<br="">XML String></url>	%3Cproperties%3E%3Cproperty%20name%3D%22sev erity%22%20value%3D%222%22%3E%3C%2Fproperty %3E%3C%2Fproperties%3E Note: URL encoded value for the XML string <properties><property <br="" name="severity">value="2"></property></properties>
GET	returnasprops	<string></string>	true

Status	Response					
	xml version="1.0" ?					
	<nmsrestresult></nmsrestresult>					
	<status>SUCCESS</status>					
	<pre><message>Successfully retrieved the objects.</message></pre>					
	<timestamp>11 Sep, 2015 7:05:47 PM</timestamp>					
	<resultobject class="vector"></resultobject>					
SUCCESS	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>					
	<pre><pre><pre><pre>property name="entity" value="IF-rest-test1"></pre></pre></pre></pre>					
	<pre><pre><pre><pre>operty name="message" value="Interface failure. Status</pre></pre></pre></pre>					



```
poll failed.">
                       cproperty name="source" value="IF-rest-test1">/property>
                       cproperty name="id" value="899"></property>
                   </properties>
                  cproperties>
                       cproperty name="entity"
          value="XXX.XXX.XXX.XXX"></property>
                       property name="message" value="At least one node on this
          net is in failure state."></property>
                      cproperty name="source"
          value="XXX.XXX.XXX.XXX"></property>
                       cproperty name="id" value="207"></property>
                  </properties>
                   . . . .
               </resultObject>
           </NmsRESTResult>
          Empty Input:
          <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
              <message>Empty argument passed for the
          parameters:classname,fetchproperties,criteria</message>
               <timeStamp>Fri Sep 11 19:06:59 IST 2015</timeStamp>
               <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
FAILED
                  <http_code>400</http_code>
                  <code></code>
NOT
                  <description>bad request</description>
PROCESSED
               </error>
           </NmsRESTResult>
          Invalid Input:
          <?xml version="1.0" ?>
           <NmsRESTResult>
              <status>NOT PROCESSED</status>
```



JSON Format (With Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/alertapi/getobjectpropsw</port></hostname>
	ithprops

Туре	Params	Values	Sample
GET	classname	<string></string>	Alert
GET	fetchproperties	<url encoded XML String></url 	%5B%22id%22%2C%22entity%22%2C%22source% 22%2C%22text%22%5D%0A Note: URL encoded value for the string ["id","entity","source","text"]
GET	criteria	<url encoded JSON String></url 	%7B%22severity%22%3A%222%22%7D%0A Note: URL encoded format of the string {"severity":"2"}
GET	returnasprops	<string></string>	true
GET	needpagination	<string></string>	true



GET	startindex	<string></string>	1
GET	endindex	<string></string>	3

```
Status
           Response
             "NmsRESTResult": {
               "message": "Successfully retrieved the objects.",
               "resultObject": [
                 {
                   "id": "135",
                   "groupName": "rest-test",
                   "text": "Node failure. This probably means one or more
           interfaces have failed.",
                   "node": "rest-test",
                   "time": "1441883633010",
                   "category": "Topology",
                   "source": "rest-test",
                   "entity": "rest-test",
                   "severity": "2"
                 },
                 {
SUCCESS
                   "id": "134",
                   "text": "At least one node on this net is in failure state.",
                   "time": "1441883632969",
                   "category": "Topology",
                   "node": "ZZZ.ZZZ.ZZZ.ZZZ",
                   "source": "ZZZ.ZZZ.ZZZ.ZZZ",
                   "entity": "ZZZ.ZZZ.ZZZ.ZZZ",
                   "severity": "2"
                 },
                 . . . .
               "timeStamp": "11 Sep, 2015 5:48:20 PM",
```



```
"status": "SUCCESS",
               "pagination": {
                 "totalLength": 258,
                 "startIndex": 1,
                 "nextURL":##URL String##,
                 "endIndex": 3
               }
             }
           Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passed for the
           parameters:classname,criteria",
               "error": {
                 "description": "bad request",
                 "http code": "400",
                 "code": ""
               },
               "timeStamp": "Fri Sep 11 17:52:02 IST 2015",
               "status": "NOT PROCESSED"
             }
           Invalid Input:
FAILED
           {
             "NmsRESTResult": {
NOT
               "message": "Invalid input for the REST request for
PROCESSED.
           parameters:criteria,fetchproperties",
               "error": {
                 "description": "bad_request",
                 "http_code": "400",
                 "code": ""
               },
               "timeStamp": "Fri Sep 11 17:53:18 IST 2015",
               "status": "NOT PROCESSED"
             }
```



XML Format (With Pagination)

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/alertapi/getobjectpropsw ithprops</port></hostname>

Туре	Params	Values	Sample
GET	classname	<string></string>	Alert
GET	fetchproperties	<url encoded XML String></url 	%3Cstring- array%3E%3Cstring%3Eid%3C%2Fstring%3E%3 Cstring%3Eentity%3C%2Fstring%3E%3Cstrin g%3Esource%3C%2Fstring%3E%3Cstring%3Eme ssage%3C%2Fstring%3E%3C%2Fstring- array%3E%0A%0A%0A Note: URL encoded string for the XML string <string- array=""><string>id</string><string>entity </string><string><string> >message</string></string></string->
GET	criteria	<url encoded XML String></url 	%3Cproperties%3E%3Cproperty%20name%3D%2 2severity%22%20value%3D%222%22%3E%3C%2F property%3E%3C%2Fproperties%3E Note: URL encoded value for the XML string <pre> <pre> <pre> <pre></pre></pre></pre></pre>
GET	returnasprops	<string></string>	true
GET	needpagination	<string></string>	true



GET	startindex	<string></string>	1
GET	endindex	<string></string>	2

Status	Response				
	xml version="1.0" ?				
	<nmsrestresult></nmsrestresult>				
	<status>SUCCESS</status>				
	<pre><message>Successfully retrieved the objects.</message></pre>				
	<timestamp>11 Sep, 2015 7:11:48 PM</timestamp>				
	<resultobject class="vector"></resultobject>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre>operty name="source" value="IF-</pre></pre></pre></pre>				
	XXX.XXX.XXX">				
	<pre><pre><pre><pre>property name="previousSeverity" value="-1"></pre></pre></pre></pre>				
	<pre><pre><pre><pre>property name="modTime" value="1441888639297"></pre></pre></pre></pre>				
	<pre><pre><pre><pre>property name="id" value="214"></pre></pre></pre></pre>				
	<pre><pre><pre><pre>property name="category" value="Topology"></pre></pre></pre></pre>				
	<pre><pre><pre><pre>property name="entity" value="IF-</pre></pre></pre></pre>				
	XXX.XXX.XXX">				
	<pre><pre><pre><pre>property</pre></pre></pre></pre>				
SUCCESS	<pre><pre><pre><pre>property name="createTime"</pre></pre></pre></pre>				
	value="1441888639297">				
	<pre><pre><pre><pre>property name="groupName"</pre></pre></pre></pre>				
	value="XXX.XXX.XXX">				
	<pre><pre><pre><pre>property name="message" value="Interface failure. Status</pre></pre></pre></pre>				
	<pre>poll failed."></pre>				
	<pre><pre><pre><pre>property name="severity" value="2"></pre></pre></pre></pre>				
	<pre><pre><pre><pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre>property name="source"</pre></pre></pre></pre>				
	value="XXX.XXX.XXX">				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre>property name="category" value="Topology"></pre></pre></pre></pre>				



```
cproperty name="entity"
          value="XXX.XXX.XXX.XXX"></property>
                       property name="createTime"
           value="1441887310940"></property>
                      roperty name="message" value="At least one node on this
          net is in failure state."></property>
                       roperty name="severity" value="2">
                  </properties>
              </resultObject>
              <pagination>
                  <startIndex>1</startIndex>
                  <endIndex>2</endIndex>
                  <nextURL>##URL String##</nextURL>
                  <totalLength>146</totalLength>
              </pagination>
           </NmsRESTResult>
          Empty Input:
          <?xml version="1.0" ?>
           <NmsRESTResult>
              <status>NOT PROCESSED</status>
              <message>Empty argument passed for the
          parameters:classname,fetchproperties,criteria</message>
              <timeStamp>Fri Sep 11 19:16:01 IST 2015</timeStamp>
              <error
          class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
FAILED
                  <http code>400</http code>
                  <code></code>
                  <description>bad request</description>
NOT
              </error>
PROCESSED
           </NmsRESTResult>
          Invalid Input:
          <?xml version="1.0" ?>
          <NmsRESTResult>
              <status>NOT PROCESSED</status>
              <message>Invalid input for the REST request for
```





4. PollAPI

4.1 getObjects

JSON Format

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/pollapi/getobjects</port></hostname>

input

Туре	Params	Values	Sample
GET	classname	<string></string>	PolledData
GET	criteria	<url encoded JSON String></url 	%7B%22name%22%3A%22INTERFACE*%22%2C%22a gent%22%3A%22rest-test1%22%7D Note: URL encoded value for the string {"name":"INTERFACE*", "agent":"rest-test1"}



```
"saveOnThreshold": false,
  "currentSaveCount": 0,
  "saveAbsolutes": false,
  "failureCount": 0,
  "id": 11,
  "lastTimeValue": 1441980552442,
  "isMultiplePolledData": false,
  "statsDataTableName": "STATSDATA%",
  "previousSeverity": 5,
  "counterUpdateRequired": true,
  "savePollCount": 1,
  "lastCounterValue": 880492452,
  "oid": "2.2.1.10.2",
  "timeVal": 1441981152450,
  "name": "INTERFACE in octets",
  "parentObj": "IF-rest-test1",
  "instance": "",
  "snmpVersion": "v2",
  "userProperties": {},
  "logDirectly": false,
  "protocol": "SNMP",
  "failureThreshold": 1,
  "webNMS": " ",
  "mappedProperties": {},
  "community": "public",
  "dnsName": "rest-test1",
  "period": 600,
  "agent": "rest-test1",
  "suffix": "2",
  "threshold": false,
  "extension": "",
  "policyName": "snmpnode",
  "filename": "poll0.data",
  "active": true,
  "dynamicProps": [],
 "threshVector": []
},
{
```



```
"port": 161,
"numericType": 1,
"groupName": "default",
"timeAvg": false,
"save": true,
"saveOnThreshold": false,
"currentSaveCount": 0,
"saveAbsolutes": false,
"failureCount": 0,
"id": 10.
"lastTimeValue": 1441980552442,
"isMultiplePolledData": false,
"statsDataTableName": "STATSDATA%",
"previousSeverity": 5,
"counterUpdateRequired": true,
"savePollCount": 1,
"lastCounterValue": 71493262,
"oid": "2.2.1.16.2",
"timeVal": 1441981152440,
"name": "INTERFACE out octets",
"parentObj": "IF-rest-test1",
"instance": "",
"snmpVersion": "v2",
"userProperties": {},
"logDirectly": false,
"protocol": "SNMP",
"failureThreshold": 1,
"webNMS": " ",
"mappedProperties": {},
"community": "public",
"dnsName": "rest-test1",
"period": 600,
"agent": "rest-test1",
"suffix": "2",
"threshold": false,
"extension": "",
"policyName": "snmpnode",
"filename": "poll0.data",
```



```
"active": true,
                   "dynamicProps": [],
                   "threshVector": []
                 }
               ],
               "timeStamp": "11 Sep, 2015 7:39:18 PM",
               "status": "SUCCESS"
             }
           Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passed passed for the
           parameters:classname",
               "error": {
                 "description": "bad_request",
                 "http_code": "400"
               },
               "timeStamp": "Fri Sep 11 19:44:39 IST 2015",
               "status": "NOT PROCESSED"
             }
FATLED
           Invalid Input:
NOT
PROCESSED 
             "NmsRESTResult": {
               "message": "Invalid input for the REST request for the
           parameter:criteria",
               "error": {
                 "description": "bad_request",
                 "http code": "400"
               },
               "timeStamp": "Fri Sep 11 19:50:39 IST 2015",
               "status": "NOT PROCESSED"
             }
```



request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/pollapi/getobjects</port></hostname>

input

Туре	Params	Values	Sample
GET	classname	<string></string>	PolledData
GET	criteria	<url encoded XML String></url 	%3Cproperties%3E%3Cproperty%20name%3D%2 2name%22%20value%3D%22INTERFACE*%22%3E% 3C%2Fproperty%3E%3Cproperty%20name%3D%2 2agent%22%20value%3D%22rest- test1%22%3E%3C%2Fproperty%3E%3C%2Fprope rties%3E Note: URL encoded value for the string <pre></pre>

Status	Response
	xml version="1.0" ?
	<nmsrestresult></nmsrestresult>
	<status>SUCCESS</status>
SUCCESS	<pre><message>Successfully retrieved the objects.</message></pre>
	<timestamp>11 Sep, 2015 7:57:38 PM</timestamp>
	<resultobject class="vector"></resultobject>
	<com.adventnet.nms.poll.polleddata></com.adventnet.nms.poll.polleddata>
	<name>INTERFACE_in_octets</name>
	<id>11</id>
	<lastcountervalue>880715708</lastcountervalue>



```
<lastTimeValue>1441981152441
<timeVal>1441981752450</timeVal>
<agent>rest-test1</agent>
<dnsName>rest-test1</dnsName>
<community>public</community>
<period>600</period>
<port>161</port>
<active>true</active>
<oid>2.2.1.10.2</oid>
<le><logDirectly>false</logDirectly>
<save>true</save>
<threshold>false</threshold>
<failureCount>0</failureCount>
<failureThreshold>1</failureThreshold>
<isMultiplePolledData>false</isMultiplePolledData>
ousSeverity>5</previousSeverity>
<policyName>snmpnode</policyName>
<threshVector></threshVector>
<instance></instance>
<suffix>2</suffix>
<extension></extension>
<statsDataTableName>STATSDATA%</statsDataTableName>
<numericType>1</numericType>
<saveAbsolutes>false</saveAbsolutes>
<timeAvg>false</timeAvg>
<webNMS></webNMS>
<groupName>default</groupName>
<parent0bj>IF-rest-test1</parent0bj>
otocol>SNMP
<savePollCount>1
<currentSaveCount>0</currentSaveCount>
<saveOnThreshold>false/saveOnThreshold>
<snmpVersion>v2</snmpVersion>
<dynamicProps></dynamicProps>
<userProperties></userProperties>
<filename>poll0.data</filename>
<mappedProperties class="properties"></mappedProperties>
<counterUpdateRequired>true</counterUpdateRequired>
```



```
</com.adventnet.nms.poll.PolledData>
<com.adventnet.nms.poll.PolledData>
   <name>INTERFACE out octets</name>
   <id>10</id>
   <lastCounterValue>71519543
   <lastTimeValue>1441981152441
   <timeVal>1441981752440</timeVal>
   <agent>rest-test1</agent>
   <dnsName>rest-test1</dnsName>
   <community>public</community>
   <period>600</period>
   <port>161</port>
   <active>true</active>
   <oid>2.2.1.16.2</oid>
   <logDirectly>false</logDirectly>
   <save>true</save>
   <threshold>false</threshold>
   <failureCount>0</failureCount>
   <failureThreshold>1</failureThreshold>
   <isMultiplePolledData>false</isMultiplePolledData>
   <previousSeverity>5</previousSeverity>
   <policyName>snmpnode</policyName>
   <threshVector></threshVector>
   <instance></instance>
   <suffix>2</suffix>
   <extension></extension>
   <statsDataTableName>STATSDATA%</statsDataTableName>
   <numericType>1</numericType>
   <saveAbsolutes>false</saveAbsolutes>
   <timeAvg>false</timeAvg>
   <webNMS></webNMS>
   <groupName>default</groupName>
   <parent0bj>IF-rest-test1</parent0bj>
   otocol>SNMP
   <savePollCount>1
   <currentSaveCount>0</currentSaveCount>
   <saveOnThreshold>false/saveOnThreshold>
   <snmpVersion>v2</snmpVersion>
```



```
<dynamicProps></dynamicProps>
                       <userProperties></userProperties>
                       <filename>poll0.data</filename>
                       <mappedProperties class="properties"></mappedProperties>
                       <counterUpdateRequired>true</counterUpdateRequired>
                   </com.adventnet.nms.poll.PolledData>
               </resultObject>
           </NmsRESTResult>
           Empty Input:
           <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Empty argument passed passed for the
           parameters:classname,criteria</message>
               <timeStamp>Fri Sep 11 19:58:06 IST 2015</timeStamp>
               <error
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http code>400</http code>
                   <description>bad_request</description>
               </error>
FAILED
           </NmsRESTResult>
          Invalid Input:
NOT
PROCESSED
          <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Invalid input for the REST request for the
           parameter:criteria</message>
               <timeStamp>Fri Sep 11 19:58:41 IST 2015</timeStamp>
               <error
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                   <http code>400</http code>
                   <description>bad request</description>
               </error>
           </NmsRESTResult>
```



4.2 getCollectedData

JSON Format

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/pollapi/getcollecteddata</port></hostname>

input

Туре	Params	Values	Sample
GET	index	<string></string>	-1
GET	key	<url encoded JSON String></url 	<pre>INTERFACE_out_octets%09rest- test1%092.2.1.16.2 Note: URL encoded value for the string INTERFACE_out_octets rest-test1 2.2.1.16.2</pre>
GET	starttime	<string></string>	1441909905903
GET	endtime	<string></string>	1441911405999

```
| Response | {
| "NmsRESTResult": {
| "message": "Successfully retrieved the collected data.",
| "resultObject": {
| "origVector": [
| [
| 1441910205999,
| 1441910805998,
| 1441911405999
| ],
```



```
[
                     33680,
                     34347,
                     33980
                   1
                 ],
                 "longValues": [
                   33680,
                   34347,
                   33980
                 ],
                 "times": [
                   1441910205999,
                   1441910805998,
                   1441911405999
                 ]
               },
               "timeStamp": "11 Sep, 2015 10:13:49 PM",
               "status": "SUCCESS"
             }
           Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passed for the parameters:index,key",
               "error": {
                 "description": "bad_request",
FAILED
                 "http_code": "400"
NOT
               "timeStamp": "Fri Sep 11 22:14:59 IST 2015",
PROCESSED
               "status": "NOT PROCESSED"
             }
```



request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/pollapi/getcollecteddata</port></hostname>

input

Туре	Params	Values	Sample
GET	index	<string></string>	-1
GET	key	<url encoded XML String></url 	<pre>INTERFACE_out_octets%09rest- test1%092.2.1.16.2 Note: URL encoded value for the string INTERFACE_out_octets rest-test1 2.2.1.16.2</pre>
GET	starttime	<string></string>	1441909905903
GET	endtime	<string></string>	1441911405999

Status	Response
	xml version="1.0" ?
	<nmsrestresult></nmsrestresult>
	<status>SUCCESS</status>
	<pre><message>Successfully retrieved the collected data.</message></pre>
	<timestamp>11 Sep, 2015 10:16:09 PM</timestamp>
	<resultobject class="com.adventnet.nms.poll.CollectedData"></resultobject>
	<times></times>
SUCCESS	<long>1441910205999</long>
	<long>1441910805998</long>
	<long>1441911405999</long>
	<longvalues></longvalues>
	<long>33680</long>



```
<long>34347</long>
                       <long>33980</long>
                   </longValues>
                   <origVector>
                       <long-array>
                           <long>1441910205999</long>
                           <long>1441910805998</long>
                           <le><long>1441911405999</le>
                       </long-array>
                       <long-array>
                           <long>33680</long>
                           <long>34347</long>
                           <long>33980</long>
                       </long-array>
                   </origVector>
               </resultObject>
           </NmsRESTResult>
           Empty Input:
           <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
               <message>Empty argument passed for the
           parameters:index,key</message>
FAILED
               <timeStamp>Fri Sep 11 22:17:42 IST 2015/timeStamp>
               <error
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
NOT
                   <http_code>400</http_code>
PROCESSED
                   <description>bad request</description>
               </error>
           </NmsRESTResult>
```



4.3 getCollectedValues

JSON Format

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/pollapi/getcollectedvalu</port></hostname>
	es

input

Туре	Params	Values	Sample
GET	key	<url encoded JSON String></url 	<pre>INTERFACE_out_octets%09rest- test1%092.2.1.16.2 Note: URL encoded value for the string INTERFACE_out_octets rest-test1 2.2.1.16.2</pre>
GET	starttim e	<string></string>	1441909905903
GET	endtime	<string></string>	1441911405999



```
1441911405999
                   ],
                     33680,
                     34347,
                     33980
                   ]
                 1,
                 "longValues": [
                   33680,
                   34347,
                   33980
                 ],
                 "times": [
                   1441910205999,
                   1441910805998,
                   1441911405999
                 ]
               },
               "timeStamp": "11 Sep, 2015 10:27:46 PM",
               "status": "SUCCESS"
             }
           Empty Input:
             "NmsRESTResult": {
               "message": "Empty argument passed for the parameters:key",
FAILED
               "error": {
                 "description": "bad_request",
                 "http_code": "400"
NOT
               },
PROCESSED
               "timeStamp": "Fri Sep 11 22:28:09 IST 2015",
               "status": "NOT PROCESSED"
             }
```



request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/pollapi/getcollectedvalu</port></hostname>
	es

input

Туре	Params	Values	Sample
GET	key	<url encoded String></url 	<pre>INTERFACE_out_octets%09rest- test1%092.2.1.16.2 Note: URL encoded value for the string INTERFACE_out_octets rest-test1</pre>
GET	starttime	<string></string>	1441909905903
GET	endtime	<string></string>	1441911405999

Status	Response				
	xml version="1.0" ?				
	<nmsrestresult></nmsrestresult>				
	<status>SUCCESS</status>				
	<pre><message>Successfully retrieved the collected values.</message></pre>				
	<timestamp>11 Sep, 2015 10:29:28 PM</timestamp>				
	<resultobject class="com.adventnet.nms.poll.CollectedData"></resultobject>				
	<times></times>				
CHCCECC	<long>1441910205999</long>				
SUCCESS	<long>1441910805998</long>				
	<long>1441911405999</long>				



```
<longValues>
                       <long>33680</long>
                       <long>34347</long>
                       <long>33980</long>
                   </longValues>
                   <origVector>
                       <long-array>
                           <long>1441910205999</long>
                           <long>1441910805998</long>
                           <long>1441911405999</long>
                       </long-array>
                       <long-array>
                           <long>33680</long>
                           <long>34347</long>
                           <long>33980</long>
                       </long-array>
                   </origVector>
               </resultObject>
           </NmsRESTResult>
           Empty Input:
           <?xml version="1.0" ?>
           <NmsRESTResult>
               <status>NOT PROCESSED</status>
FAILED
               <message>Empty argument passed for the parameters:key</message>
               <timeStamp>Fri Sep 11 22:29:41 IST 2015</timeStamp>
               <error
NOT
           class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
PROCESSED
                   <http code>400</http code>
                   <description>bad_request</description>
               </error>
           </NmsRESTResult>
```



5. ProvisioningAPI

5.1 getTemplateList

JSON Format

request

URL
https:// <hostname>:<port>/rest/secure/nms/provisioningapi/gettempl</port></hostname>
atelist

input

Туре	Params	Values	Sample
GET	directorypath	<string></string>	

Status	Response				
SUCCESS	<pre>{ "NmsRESTResult": { "message": "Successfully retrieved the template list.", "resultObject": ["IPRoutingConfiguration", "CrossConnect", "ATM_Virtual_Connection"], "timeStamp": "14 Sep, 2015 3:56:02 PM", "status": "SUCCESS" } }</pre>				
FAILED					
/					
NOT					
PROCESSED					



request

Method	URL
GET	<pre>https://<hostname>:<port>/rest/secure/nms/provisioningapi/gettempl atelist</port></hostname></pre>

input

Туре	Params	Values	Sample
GET	obj	<string></string>	

Status	Response			
	<pre><?xml version="1.0" ?></pre>			
	<nmsrestresult></nmsrestresult>			
	<status>SUCCESS</status>			
	<message>Successfully retrieved the template list.</message>			
	<timestamp>14 Sep, 2015 3:57:23 PM</timestamp>			
SUCCESS	<resultobject class="string-array"></resultobject>			
30CCL33	<string>IPRoutingConfiguration</string>			
	<string>CrossConnect</string>			
	<string>ATM_Virtual_Connection</string>			
FAILED				
/				
NOT	-			
PROCESSED				



5.2 getInputsInTemplate

JSON Format

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/provisioningapi/getinput</port></hostname>
	sintemplate
1	

input

Туре	Params	Values	Sample
GET	templatename	<string></string>	CrossConnect
GET	stagelabel	<url Encoded String></url 	1%23 Note: URL encoded value for the string 1#

```
Status
           Response
             "NmsRESTResult": {
               "message": "Successfully retrieved the inputs in the
           template:CrossConnect",
               "resultObject": {
                 "$UserInput$dcard": "ST1-15-1",
                 "$UserInput$schan": "1",
                 "$UserInput$next1": "",
                 "HOST": "",
SUCCESS
                 "$UserInput$2": "289",
                 "$UserInput$1": "",
                 "$UserInput$4": "ACT-USER",
                 "$UserInput$6": "ROOT",
                 "$UserInput$5": "",
                 "$UserInput$8": "",
                 "$UserInput$7": "",
                 "$UserInput$scard": "ST1-8-1",
```



```
"$UserInput$dchan": "1"
               },
               "timeStamp": "14 Sep, 2015 4:03:19 PM",
               "status": "SUCCESS"
             }
           EmptyInput:
             "NmsRESTResult": {
FAILED
               "message": "Empty argument passed for the parameter:templatename",
               "error": {
                 "description": "bad_request",
NOT
                 "http_code": "400"
PROCESSED
               },
               "timeStamp": "Mon Sep 14 16:07:53 IST 2015",
               "status": "NOT PROCESSED"
             }
```

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/provisioningapi/getinput sintemplate</port></hostname>

input

Туре	Params	Values	Sample
GET	templatename	<string></string>	CrossConnect
GET	stagelabel	<url Encoded String></url 	1%23 Note: URL encoded value for the string 1#



Status	Response		
SUCCESS	<pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>		
FAILED / NOT PROCESSED	<pre><?xml version="1.0" ?> </pre>		



5.3 getUserInputsInTemplate

JSON Format

request

Method	URL
GET	https:// <hostname>:<port>/rest/secure/nms/provisioningapi/getuseri</port></hostname>
	nputsintemplate

input

Туре	Params	Values	Sample
GET	templatename	<string></string>	CrossConnect
GET	stagelabel	<url encoded<br="">String></url>	1%23 Note: URL encoded value for the string 1#

```
Status
           Response
             "NmsRESTResult": {
               "message": "Successfully retrieved the inputs in the
           template:CrossConnect",
               "resultObject": {
                 "$UserInput$2": "289",
                 "$UserInput$1": "",
                 "$UserInput$4": "ACT-USER",
                 "$UserInput$6": "ROOT",
                 "$UserInput$8": "",
SUCCESS
                 "$UserInput$7": "",
                 "$UserInput$dcard": "ST1-15-1",
                 "$UserInput$scard": "ST1-8-1",
                 "$UserInput$next1": "",
                 "$UserInput$schan": "1",
```



```
"$UserInput$dchan": "1"
               },
               "timeStamp": "14 Sep, 2015 4:11:30 PM",
               "status": "SUCCESS"
             }
           EmptyInput:
             "NmsRESTResult": {
FAILED
               "message": "Empty argument passed for the parameter:templatename",
               "error": {
                 "description": "bad_request",
NOT
                 "http_code": "400"
PROCESSED
               },
               "timeStamp": "Mon Sep 14 16:07:53 IST 2015",
               "status": "NOT PROCESSED"
             }
```

request

Method	URL
	https:// <hostname>:<port>/rest/secure/nms/provisioningapi/getuseri nputsintemplate</port></hostname>

input

Туре	Params	Values	Sample
GET	templatename	<string></string>	CrossConnect
GET	stagelabel	<url Encoded String></url 	1%23 Note: URL encoded value for the string 1#



Status	Response				
	xml version="1.0" ?				
	<nmsrestresult></nmsrestresult>				
	<status>SUCCESS</status>				
	<message>Successfully retrieved the inputs in the</message>				
	template:CrossConnect				
	<timestamp>14 Sep, 2015 4:12:03 PM</timestamp>				
	<resultobject class="properties"></resultobject>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<property name="\$UserInput\$schan" value="1"></property>				
	<property name="\$UserInput\$8" value=""></property>				
SUCCESS	<property name="\$UserInput\$7" value=""></property>				
	<property name="\$UserInput\$6" value="R00T"></property>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre>operty name="\$UserInput\$dchan" value="1"></pre></pre></pre></pre>				
	<pre><pre><pre><pre>operty name="\$UserInput\$5" value=""></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><pre><pre><pre>property name="\$UserInput\$2" value="289"></pre></pre></pre></pre>				
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>				
	<pre><?xml version="1.0" ?></pre>				
	<nmsrestresult></nmsrestresult>				
	<status>NOT PROCESSED</status>				
	<message>Empty argument passed for the</message>				
FAILED	parameter:templatename				
/	<timestamp>Mon Sep 14 16:08:35 IST 2015</timestamp>				
NOT	<error< td=""></error<>				
NOT	<pre>class="com.webnms.rest.plugin.messagecomposer.NmsRestError"></pre>				
PR0CESSED	<http_code>400</http_code>				
	<pre><description>bad_request</description> .</pre>				



5.4 executeProvisioningTemplate

JSON Format

request

Method	URL
P0ST	https:// <hostname>:<port>/rest/secure/nms/provisioningapi/executep</port></hostname>
	rovisioningtemplate

input

Туре	Params	Values	Sample
POST	templatename	<string></string>	CrossConnect
POST	userinputproperties	<string></string>	<pre>{"\$UserInput\$HOST":"test","\$UserInp ut\$COMMUNITY":"public"}</pre>

Status	Response			
	{			
	"NmsRESTResult": {			
	"message": "Executed the template:SlerreServiceVlanSimple",			
	"resultObject": " xml version=\"1.0\" encoding=\"ISO-8859-</td			
	1\"?> <templateresult name='\"SlerreServiceVlanSimple\"</td'></templateresult>			
	noOfTimesExecuted=\"1\" operationIdentifier=\"1\"			
	scheduledTime=\"1442227644427\" status=\"SUCCEEDED\"			
	userName=\"root\">\n <stageresult _executed='\"true\"' label='\"Input\"</td'></stageresult>			
	status=\"SUCCEEDED\"/>\n <stageresult _executed='\"true\"</td'></stageresult>			
	<pre>label=\"Validation\" status=\"SUCCEEDED\"/>\n\n",</pre>			
SUCCESS	"timeStamp": "14 Sep, 2015 4:17:25 PM",			
	"status": "SUCCESS"			
	}			
	}			
	EmptyInput:			



```
FAILED
             "NmsRESTResult": {
NOT
               "message": "Empty argument passed for the
PROCESSED
           parameters:templatename,stagelabel",
               "error": {
                 "description": "bad request",
                 "http_code": "400"
               },
               "timeStamp": "Mon Sep 14 16:20:59 IST 2015",
               "status": "NOT PROCESSED"
           Invalid Input:
             "NmsRESTResult": {
               "message": "Invalid input for the REST request for the
           parameter:userinputproperties",
               "error": {
                 "description": "bad_request",
                 "http_code": "400"
               },
               "timeStamp": "Mon Sep 14 16:22:13 IST 2015",
               "status": "NOT PROCESSED"
             }
```

request

Method	URL
POST	https:// <hostname>:<port>/rest/secure/nms/provisioningapi/executep</port></hostname>
	rovisioningtemplate



input

Туре	Params	Values	Sample
POST	templatename	<string></string>	SlerreServiceVlanSimple
POST	userinputpropert ies	<string></string>	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>

Status	Response
SUCCESS	xml version="1.0" ?
	<nmsrestresult></nmsrestresult>
	<status>SUCCESS</status>
	<message>Executed the</message>
	<pre>template:SlerreServiceVlanSimple</pre>
	<timestamp>14 Sep, 2015 4:22:54 PM</timestamp>
	<resultobject class="string"></resultobject>
	xml version="1.0" encoding="ISO-8859-1"?
	<templateresult <="" name="SlerreServiceVlanSimple" td=""></templateresult>
	<pre>noOfTimesExecuted="1" operationIdentifier="2"</pre>
	scheduledTime="1442227973906" status="SUCCEEDED"
	userName="root">
	<pre><stageresult <="" _executed="true" label="Input" pre=""></stageresult></pre>
	status="SUCCEEDED"/>
	<pre><stageresult <="" _executed="true" label="Validation" pre=""></stageresult></pre>
	status="SUCCEEDED"/>
	Empty Input:
FAILED	xml version="1.0" ?
	<pre><nmsrestresult></nmsrestresult></pre>



```
<status>NOT PROCESSED</status>
                        <message>Empty argument passed for the
NOT PROCESSED
                    parameters:templatename,stagelabel</message>
                        <timeStamp>Mon Sep 14 16:25:26 IST 2015</timeStamp>
                        <error
                    class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                            <http code>400</http code>
                            <description>bad request</description>
                        </error>
                    </NmsRESTResult>
                    Invalid Input:
                    <?xml version="1.0" ?>
                    <NmsRESTResult>
                        <status>NOT PROCESSED</status>
                        <message>Invalid input for the REST request for the
                    parameter:userinputproperties</message>
                        <timeStamp>Mon Sep 14 16:25:56 IST 2015</timeStamp>
                        <error
                    class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
                            <http_code>400</http_code>
                            <description>bad request</description>
                        </error>
                    </NmsRESTResult>
```