



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

input

Type	Params	Values	Sample
GET	name	<String>	XXX.XXX.XXX.XXX

response

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

```
"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.ZZZ"
],
"moid": 39,
"isSNMP": false,
"snmppport": 161,
"isNode": true,
"managed": true,
```

	<pre>"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" } }</pre>
FAILED / NOT PROCESSED	<pre>{ "NmsRESTResult": { "message": "Empty argument passed for the parameters:name", "error": { "description": "bad_request", "http_code": "400" }, "timeStamp": "Fri Sep 11 22:47:16 IST 2015", "status": "NOT PROCESSED" } }</pre>

XML Format

request

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

input

Type	Params	Values	Sample
GET	name	<String>	XXX.XXX.XXX.XXX

response

Status	Response
SUCCESS	<pre><?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the object with name:XXX.XXX.XXX.XXX</message> <timeStamp>11 Sep, 2015 10:47:36 PM</timeStamp> <resultObject class="com.adventnet.nms.topodb.Node"> <name>XXX.XXX.XXX.XXX</name> <lazyLoaded>false</lazyLoaded> <moid>39</moid> <displayName>XXX.XXX.XXX.XXX</displayName> <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></pre>

```
<classname>Node</classname>
<groups class="org.hibernate.collection.PersistentSet">
  <initialized>true</initialized>
  <owner class="com.adventnet.nms.topodb.Node"
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"
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>
```

	<pre> <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.ZZZ</string> </parentNets> <ipaddrs> <string>XXX.XXX.XXX.XXX</string> </ipaddrs> </resultObject> </NmsRESTResult> </pre>
--	---

FAILED / NOT PROCESSED	<pre> <?xml version="1.0" ?> <NmsRESTResult> <status>NOT PROCESSED</status> <message>Empty argument passed for the parameters:name</message> <timeStamp>Fri Sep 11 22:48:08 IST 2015</timeStamp> <error class="com.webnms.rest.plugin.messagecomposer.NmsRestError"> <http_code>400</http_code> <description>bad_request</description> </error> </NmsRESTResult> </pre>
--	---

1.2 getObject

JSON Format(without pagination)

request

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

input

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

response

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.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",
"sysOID": ".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
},
....
....
```

	<pre> ], "timeStamp": "11 Sep, 2015 10:52:14 PM", "status": "SUCCESS" } }</pre>
FAILED / NOT PROCESSED	<p><u>Empty Argument:</u></p> <pre> { "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" } }</pre> <p><u>Invalid Input:</u></p> <pre> { "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" } }</pre>

XML Format(without pagination)

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	SnmpNode
GET	criteria	<URL encoded XML String>	%3Cproperties%3E%3Cproperty%20name%3D%22managed%22%20value%3D%22true%22%3E%3C%2Fproperty%3E%3C%2Fproperties%3E Note: URL encoded value for the String <properties><property name="managed" value="true"></property></properties>

response

Status	Response
SUCCESS	<pre> <?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the objects.</message> <timeStamp>11 Sep, 2015 10:59:27 PM</timeStamp> <resultObject class="string"> <?xml version="1.0" ?> <Vector> <properties> <property name="classname" value="SnmpNode"></property> <property name="statusChangeTime" value="1441983879210"></property> </pre>

```
<property name="managed" value="true"></property>
<property name="statusUpdateTime"
value="1441983879210"></property>
<property name="isNode" value="true"></property>
<property name="community"
value="public"></property>
<property name="failureCount"
value="0"></property>
<property name="ipAddress"
value="XXX.XXX.XXX.XXX"></property>
<property name="name" value="rest-
test1"></property>
<property name="parentKey" value=""></property>
<property name="sysName" value="rest-
test1"></property>
<property name="netmask"
value="YYY.YYY.YYY.YYY"></property>
<property name="userName" value=""></property>
<property name="writeCommunity"
value="public"></property>
<property name="moid" value="13"></property>
<property name="isDHCP" value="false"></property>
<property name="snmpport" value="161"></property>
<property name="status" value="2"></property>
<property name="displayName" value="rest-
test1"></property>
<property name="statusPollEnabled"
value="false"></property>
<property 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>
<property name="isGroup" value="false"></property>
<property name="sysOID"
value=".1.3.6.1.4.1.8072.3.2.10"></property>
<property name="isContainer"
value="false"></property>
<property name="isSNMP" value="true"></property>
<property name="contextName" value=""></property>
```

	<pre> <property name="failureThreshold" value="1"></property> <property name="pollInterval" value="300"></property> <property name="tester" value="max"></property> <property name="isRouter" value="false"></property> <property name="baseMibs" value="RFC1213- MIB"></property> <property name="version" value="v2"></property> <property name="isInterface" value="false"></property> <property name="hostNetmask" value=""></property> <property name="isNetwork" value="false"></property> <property name="type" value="snmp- node"></property> </properties> </Vector> </resultObject> </NmsRESTRestResult> </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?xml version="1.0" ?> <NmsRESTRestResult> <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> </NmsRESTRestResult> </pre> <p><u>Invalid Input:</u></p>

```
<?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 23:01:43 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/getobjects

input

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

response

Status	Response
SUCCESS	<pre>{ "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", "userName": "", "writeCommunity": "public", "contextName": "", "isContainer": "false", "ipAddress": "XXX.XXX.XXX.XXX", "pollInterval": "300", "failureThreshold": "1", "parentKey": "", "sysOID": ".1.3.6.1.4.1.8072.3.2.10", "status": "2", "classname": "SnmpNode", "community": "public", "moid": "13", "isSNMP": "true", "snmpport": "161",</pre>


```
"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": "",
  "sysOID": ".1.3.6.1.4.1.8072.3.2.10",
  "status": "2",
  "classname": "SnmpNode",
  "community": "public",
  "moid": "21",
  "isSNMP": "true",
```

	<pre> "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 } } }</pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> { "NmsRESTResult": { "message": "Empty argument passed for the parameters:classname,criteria", "error": { "description": "bad_request", "http_code": "400" }, "timeStamp": "Fri Sep 11 22:57:35 IST 2015", "status": "NOT PROCESSED" } }</pre> <p><u>Invalid Input:</u></p> <pre> { "NmsRESTResult": { "message": "Invalid input for the REST request for the parameter:criteria",</pre>

	<pre> "error": { "description": "bad_request", "http_code": "400" }, "timestamp": "Fri Sep 11 22:58:14 IST 2015", "status": "NOT PROCESSED" } </pre>
--	--

XML Format(with pagination)

request

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

input

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

GET	startindex	<String>	1
GET	endindex	<String>	2

response

Status	Response
SUCCESS	<pre> <?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the objects.</message> <timeStamp>11 Sep, 2015 11:02:34 PM</timeStamp> <resultObject class="string"> <?xml version="1.0" ?> <Vector> <properties> <property name="classname" value="SnmpNode"></property> <property name="statusChangeTime" value="1441983879210"></property> <property name="managed" value="true"></property> <property name="statusUpdateTime" value="1441983879210"></property> <property name="isNode" value="true"></property> <property name="community" value="public"></property> <property name="failureCount" value="0"></property> <property name="ipAddress" value="XXX.XXX.XXX.XXX"></property> <property name="name" value="rest-test1"></property> <property name="parentKey" value=""></property> <property name="sysName" value="rest- test1"></property> <property name="netmask" value="YYY.YYY.YYY.YYY"></property> <property name="userName" value=""></property> <property name="writeCommunity" value="public"></property> </pre>

```

        <property name="moid" value="13"></property>
        <property name="isDHCP" value="false"></property>
        <property name="snmpport" value="161"></property>
        <property name="status" value="2"></property>
        <property name="displayName" value="rest-
test1"></property>
        <property name="statusPollEnabled"
value="false"></property>
        <property 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>
        <property name="isGroup" value="false"></property>
        <property name="sysOID"
value=".1.3.6.1.4.1.8072.3.2.10"></property>
        <property name="isContainer" value="false"></property>
        <property name="isSNMP" value="true"></property>
        <property name="contextName" value=""></property>
        <property name="failureThreshold"
value="1"></property>
        <property name="pollInterval" value="300"></property>
        <property name="tester" value="max"></property>
        <property name="isRouter" value="false"></property>
        <property name="baseMibs" value="RFC1213-
MIB"></property>
        <property name="version" value="v2"></property>
        <property name="isInterface" value="false"></property>
        <property name="hostNetmask" value=""></property>
        <property name="isNetwork" value="false"></property>
        <property name="type" value="snmp-node"></property>
    </properties>
    <properties>
        <property name="classname"
value="SnmpNode"></property>
        <property name="statusChangeTime"
value="1441917466861"></property>
        <property name="managed" value="true"></property>
        <property name="statusUpdateTime"
value="1441917466861"></property>

```

```

        <property name="isNode" value="true"></property>
        <property name="community" value="public"></property>
        <property name="failureCount" value="0"></property>
        <property name="ipAddress"
value="XXX.XXX.XXX.XXX"></property>
        <property name="name" value="rest-test"></property>
        <property name="parentKey" value=""></property>
        <property name="sysName" value="rest-test"></property>
        <property name="netmask"
value="YYY.YYY.YYY.YYY"></property>
        <property name="userName" value=""></property>
        <property name="writeCommunity"
value="public"></property>
        <property name="moid" value="21"></property>
        <property name="isDHCP" value="false"></property>
        <property name="snmpport" value="161"></property>
        <property name="status" value="2"></property>
        <property name="displayName" value="rest-
test"></property>
        <property name="statusPollEnabled"
value="false"></property>
        <property name="sysDescr" value="Linux rest-test Tue
Jul 15 04:01:04 UTC 2014 x86_64"></property>
        <property name="isGroup" value="false"></property>
        <property name="sysOID"
value=".1.3.6.1.4.1.8072.3.2.10"></property>
        <property name="isContainer" value="false"></property>
        <property name="isSNMP" value="true"></property>
        <property name="contextName" value=""></property>
        <property name="failureThreshold"
value="1"></property>
        <property name="pollInterval" value="300"></property>
        <property name="tester" value="max"></property>
        <property name="isRouter" value="false"></property>
        <property name="baseMibs" value="RFC1213-
MIB"></property>
        <property name="version" value="v2"></property>
        <property name="isInterface" value="false"></property>

```

	<pre> <property name="hostNetmask" value=""></property> <property name="isNetwork" value="false"></property> <property name="type" value="snmp-node"></property> </properties> </Vector> </resultObject> <pagination> <startIndex>1</startIndex> <endIndex>2</endIndex> <nextURL>##URL String##</nextURL> <totalLength>6</totalLength> </pagination> </NmsRESTResult> </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?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> </error> </NmsRESTResult> </pre> <p><u>Invalid Input:</u></p> <pre> <?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 </pre>

```
class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
    <http_code>400</http_code>
    <description>bad_request</description>
</error>
</NmsRESTResult>
```

1.3 getObjectPropsWithProps

JSON Format(without pagination)

request

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

input

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

response

Status	Response
SUCCESS	<pre>{ "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", "sysName": "rest-test", "type": "snmp-node", "displayName": "rest-test" }, ], "timeStamp": "11 Sep, 2015 11:12:01 PM", "status": "SUCCESS" } }</pre>
FAILED /	<p><u>Empty Input:</u></p> <pre>{ "NmsRESTResult": { "message": "Empty argument passed for the</pre>

NOT PROCESSED	<pre> parameters:classname,criteria", "error": { "description": "bad_request", "http_code": "400" }, "timeStamp": "Fri Sep 11 23:16:19 IST 2015", "status": "NOT PROCESSED" } } <u>Invalid Input:</u> { "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" } } </pre>
----------------------	---

XML Format(without pagination)

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	SnmpNode
GET	criteria	<URL	%3Cproperties%3E%3Cproperty%20name%3D%22m

		encoded XML String>	<p>managed%22%20value%3D%22true%22%3E%3C%2Fproperty%3E%3C%2Fproperties%3E</p> <p>Note: URL encoded value for the String</p> <p><properties><property name="managed" value="true"></property></properties></p>
GET	fetchproperties	<URL encoded XML String>	<p>%3Cstring-array%3E%3Cstring%3Eclassname%3C%2Fstring%3E%3Cstring%3EdisplayName%3C%2Fstring%3E%3C%2Fstring-array%3E%0A</p> <p>Note: URL encoded value for the string</p> <p><string-array><string>classname</string><string>displayname</string></string-array></p>
GET	returnasprops	<String>	true
GET	performor	<String>	false

response

Status	Response
SUCCESS	<pre><?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the objects.</message> <timeStamp>14 Sep, 2015 9:57:54 PM</timeStamp> <resultObject class="vector"> <properties> <property name="displayName" value="rest- test"></property> <property name="classname" value="SnmpNode"></property> </properties> <properties> <property name="displayName" value="rest- test1"></property> <property name="classname"</pre>

	<pre> value="SnmpNode"></property> </properties> </resultObject> </NmsRESTResult> </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?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> </pre> <p><u>Invalid Input:</u></p> <pre> <?xml version="1.0" ?> <NmsRESTResult> <status>NOT PROCESSED</status> <message>Invalid input for the REST request for the parameter:criterias</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> </pre>

JSON Format(with pagination)

request

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

	thprops
--	---------

input

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

response

Status	Response
SUCCESS	{ "NmsRESTResult": { "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 } } } </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> { "NmsRESTResult": { "message": "Empty argument passed for the parameters:classname,criteria", "error": { "description": "bad_request", "http_code": "400" }, "timeStamp": "Fri Sep 11 22:57:35 IST 2015", </pre>

```

    "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

input

Type	Params	Values	Sample
GET	classname	<String>	SnmpNode
GET	criteria	<URL encoded XML String>	%3Cproperties%3E%3Cproperty%20name%3D%22managed%22%20value%3D%22true%22%3E%3C%2Fproperty%3E%3C%2Fproperties%3E Note: URL encoded value for the XML string <properties><property

			name="managed" value="true"></property></propertie s>
GET	fetchproperties	<URL encoded XML String>	%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</string></string- array>
GET	returnasprops	<String>	true
GET	performor	<String>	false
GET	needpagination	<String>	true
GET	startindex	<String>	1
GET	endindex	<String>	2

response

Status	Response
	<pre><?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the objects.</message> <timeStamp>14 Sep, 2015 10:47:57 PM</timeStamp> <resultObject class="vector"> <properties> <property name="name" value="XXX.XXX.XXX.XXX"></property> <property name="classname" value="Network"></property> <property name="status" value="2"></property> <property name="discover" value="true"></property></pre>

<p>SUCCESS</p>	<pre> <property name="type" value="Network"></property> <property name="discoveryStatus" value="2"></property> <property name="displayName" value="XXX.XXX.XXX.XXX"></property> <property name="managed" value="true"></property> <property name="snmpport" value="161"></property> </properties> <properties> <property name="name" value="YYY.YYY.YYY.YYY"></property> <property name="classname" value="Network"></property> <property name="status" value="2"></property> <property name="discover" value="true"></property> <property name="type" value="Network"></property> <property name="discoveryStatus" value="3"></property> <property name="displayName" value="YYY.YYY.YYY.YYY"></property> <property name="managed" value="true"></property> <property name="snmpport" value="161"></property> </properties> </resultObject> <pagination> <startIndex>1</startIndex> <endIndex>2</endIndex> <nextURL>##URL String##</nextURL> <totalLength>474</totalLength> </pagination> </NmsRESTResult> </pre>
<p>FAILED / NOT PROCESSED</p>	<p><u>Empty Input:</u></p> <pre> <?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> </pre>

```

        <description>bad_request</description>
    </error>
</NmsRESTRestResult>

Invalid Input:

<?xml version="1.0" ?>
<NmsRESTRestResult>
    <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
class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
        <http_code>400</http_code>
        <description>bad_request</description>
    </error>
</NmsRESTRestResult>

```

1.4 updateObject

JSON Format

request

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

input

Type	Params	Values	Sample
			<pre> { "tester": "max", "statusPollEnabled": false, "failureCount": 0, "type": "Node", </pre>

PUT	obj	<String>	<pre> "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, "status": 2, "mappedProperties": {}, "classname": "Node", "community": "public", "parentNets": ["ZZZ.ZZZ.ZZZ.ZZZ"], "isSNMP": false, "snmpport": 161, "isNode": true, "managed": false, "isInterface": false, "ipaddrs": ["XXX.XXX.XXX.XXX"], "dynamicProps": [], "displayName": "XXX.XXX.XXX.XXX", "isDHCP": false </pre>
-----	-----	----------	--

			}
PUT	retainuserproperties	<String>	true
PUT	dealwithlocks	<String>	true
PUT	fullclassname	<String>	com.adventnet.nms.topodb.Node

response

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

	<pre> "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" } </pre>
--	--

XML Format

request

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

input

Type	Params	Values	Sample
PUT	obj	<String>	<pre> <?xml version="1.0" encoding="UTF-8"?> <resultObject class="com.adventnet.nms.topodb.Node"> <name>XXX.XXX.XXX.XXX</name> <displayName>XXX.XXX.XXX.XXX</display ayName> <type>Node</type> <managed>true</managed> <statusPollEnabled>false</statusPoll Enabled> </pre>

		<pre> <status>2</status> <failureThreshold>1</failureThreshold> <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.groups</role> <key class="string">XXX.XXX.XXX.XXX</key> > <dirty>false</dirty> <storedSnapshot class="map" /> <set /> </groups> <members class="org.hibernate.collection.PersistentSet"> </pre>
--	--	---

```
<initialized>true</initialized>

    <owner
class="com.adventnet.nms.topodb.Node" reference="../.." />

    <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"
/>

    <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 />
```

			<pre> <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> </parentNets> <ipaddrs> <string>XXX.XXX.XXX.XXX</string> </ipaddrs> </resultObject> </pre>
PUT	retainuserproperties	<String>	true
PUT	dealwithlocks	<String>	true
PUT	fullclassname	<String>	com.adventnet.nms.topodb.Node

response

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

	<pre> <status>SUCCESS</status> <message>Successfully updated the ManagedObject with name:XXX.XXX.XXX.XXX</message> <timeStamp>14 Sep, 2015 2:08:13 PM</timeStamp> <resultObject class="boolean">true</resultObject> </NmsRESTResult> </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?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> </NmsRESTResult> </pre> <p><u>Invalid Input:</u></p> <pre> <?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> </pre>

1.5 addObject

JSON Format

request

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

input

Type	Params	Values	Sample
POST	obj	<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.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",</pre>

			<pre> "community": "public", "parentNets": ["ZZZ.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 } </pre>
POST	fullclassname	<String>	com.adventnet.nms.topodb.Node

response

Status	Response
SUCCESS	<pre> { "NmsRESTRestResult": { "message": "Successfully added the object with name:XXX.XXX.XXX.XXX", "resultObject": true, "timeStamp": "14 Sep, 2015 2:46:43 PM", "status": "SUCCESS" } } </pre>
FAILED	<p><u>Empty Argument:</u></p> <pre> { "NmsRESTRestResult": { "message": "Empty argument passed for the parameters:obj,fullclassname", </pre>

/ NOT PROCESSED	<pre> "error": { "description": "bad_request", "http_code": "400" }, "timeStamp": "Mon Sep 14 14:51:06 IST 2015", "status": "NOT PROCESSED" } } <u>Invalid Input:</u> { "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" } } </pre>
--------------------	--

XML Format

request

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

input

Type	Params	Values	Sample
POST	obj	<String>	<?xml version="1.0" encoding="UTF-8"?> <resultObject class="com.adventnet.nms.topodb.Node"> <name>XXX.XXX.XXX.XXX</name>

```

<displayName>XXX.XXX.XXX.XXX</displayName>
  <type>Node</type>
  <managed>true</managed>

<statusPollEnabled>false</statusPollEnabled>
  <status>2</status>
  <failureThreshold>1</failureThreshold>
  <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.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 />

```

			<pre> <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> </parentNets> <ipaddrs> <string>XXX.XXX.XXX.XXX</string> </ipaddrs> </resultObject> </pre>
POST	fullclassname	<String>	com.adventnet.nms.topodb.Node

response

Status	Response
SUCCESS	<pre> <?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully added the object with name:XXX.XXX.XXX.XXX</message> <timeStamp>14 Sep, 2015 2:54:52 PM</timeStamp> <resultObject class="boolean">true</resultObject> </NmsRESTResult> </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?xml version="1.0" ?> <NmsRESTResult> <status>NOT PROCESSED</status> <message>Empty argument passed for the parameters:obj,fullclassname</message> </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

input

Type	Params	Values	Sample
DELETE	obj	<String>	{ "tester": "max",

			<pre> "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.ZZZ"], "isSNMP": false, "snmpport": 161, "isNode": true, "managed": true, "isInterface": false, "ipaddrs": ["XXX.XXX.XXX.XXX"], "dynamicProps": [], "displayName": "XXX.XXX.XXX.XXX", </pre>
--	--	--	--

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

response

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

```
{
  "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"
  }
}
```

XML Format

request

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

input

Type	Params	Values	Sample
DELETE	obj	<String>	<pre><?xml version="1.0" encoding="UTF-8"?> <result0bject class="com.adventnet.nms.topodb.Node"> <name>XXX.XXX.XXX.XXX</name> <displayName>XXX.XXX.XXX.XXX</displayName> <type>Node</type> <managed>true</managed> <statusPollEnabled>false</statusPollEnabled> <status>2</status> <failureThreshold>1</failureThreshold></pre>

			<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 </pre>
--	--	--	--

```

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>
<parentNets>

```

			<pre> <string>ZZZ.ZZZ.ZZZ.ZZZ</string> </parentNets> <ipaddrs> <string>XXX.XXX.XXX.XXX</string> </ipaddrs> </resultObject> </pre>
--	--	--	---

Type	Params	Values	Sample
DELETE	retainuserproperties	<String>	true
DELETE	dealwithlocks	<String>	true
DELETE	fullclassname	<String>	com.adventnet.nms.topodb.Node

response

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

FAILED / NOT PROCESSED	<pre> <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 15:24:14 IST 2015</timeStamp> <error class="com.webnms.rest.plugin.messagecomposer.NmsRestError"> <http_code>400</http_code> <description>bad_request</description> </error> </NmsRESTResult> </pre>
--	---

1.7 deleteObjects

JSON Format

request

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

input

Type	Params	Values	Sample
DELETE	classname	<String>	Node
DELETE	criteria	<String>	{"managed":"false"}

response

Status	Response
SUCCESS	<pre>{ "NmsRESTResult": { "message": "Successfully deleted the objects.", "resultObject": "", "timeStamp": "14 Sep, 2015 3:30:44 PM", "status": "SUCCESS" } }</pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre>{ "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" } }</pre> <p><u>Invalid Input:</u></p> <pre>{ "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" } }</pre>

XML Format

request

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

input

Type	Params	Values	Sample
DELETE	classname	<String>	Node
DELETE	criteria	<String>	<pre><?xml version="1.0" encoding="UTF-8"?> <properties> <property name="managed" value="false" /> </properties></pre>

response

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

```

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

input

Type	Params	Values	Sample
GET	-	-	-

response

Status	Response
SUCCESS	<pre>{ "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", "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" } }</pre>
FAILED / NOT PROCESSED	-

XML Format

request

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

input

Type	Params	Values	Sample
GET	-	-	-

response

Status	Response
SUCCESS	<pre><?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the complete list.</message> <timeStamp>10 Feb, 2016 11:35:56 PM</timeStamp> <resultObject class="vector"> <string>114.31.192.0</string> <string>114.31.194.0</string> <string>114.31.196.0</string> <string>114.31.198.0</string> <string>114.31.199.0</string> <string>114.31.201.0</string> <string>114.31.202.0</string> <string>114.31.204.0</string> <string>114.31.206.0</string> <string>119.161.84.0</string> <string>172.20.209.0</string> <string>172.30.1.0</string> <string>172.30.2.0</string> <string>172.30.3.0</string> <string>172.30.4.0</string> <string>172.30.5.0</string> <string>172.30.6.0</string> <string>172.30.8.0</string> <string>175.45.72.0</string> <string>192.168.208.0</string> <string>192.168.208.1</string> <string>192.168.208.112</string> <string>192.168.208.137</string> <string>192.168.208.93</string> <string>192.168.208.96</string> <string>192.168.209.112</string> <string>192.168.209.119</string> <string>192.168.209.123</string></pre>

	<pre><string>192.168.209.154</string> <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> <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> <string>192.168.209.75</string> </resultObject> </NmsRESTResult></pre>
FAILED / NOT PROCESSED	-

2. EventAPI

2.1 getEventByID

JSON Format

request

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

input

Type	Params	Values	Sample
GET	id	<String>	1

response

Status	Response
SUCCESS	<pre>{ "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", "source": "XXX.XXX.XXX.XXX", "mappedProperties": {}, "entity": "XXX.XXX.XXX.XXX", "severity": 6, "dynamicProps": [] }, "timeStamp": "11 Sep, 2015 3:39:49 PM",</pre>

	<pre> "status": "SUCCESS" } } </pre>
FAILED / NOT PROCESSED	<p><u>Empty Argument:</u></p> <pre> { "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" } </pre> <p><u>Invalid Input:</u></p> <pre> { "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" } </pre>

XML Format

request

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

input

Type	Params	Values	Sample
GET	Id	<String>	1

response

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


```
</NmsRESTResult>
```

FAILED

/

NOT
PROCESSED

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>
```

Invalid Input:

```
<?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

input

Type	Params	Values	Sample
GET	classname	<String>	Event
GET	criteria	<URL encoded JSON String>	%7B%22severity%22%3A%22%22%7D Note: URL encoded for the string {"severity":"2"}

response

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

	<pre> "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" } }</pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> { "NmsRESTResult": { "message": "Empty argument passed for parameters:classname,criteria", "error": { "description": "bad_request", "http_code": "400", "code": "" }, "timeStamp": "Fri Sep 11 15:47:52 IST 2015", "status": "NOT PROCESSED" } }</pre> <p><u>Invalid Input:</u></p> <pre> {</pre>

	<pre> "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" } </pre>
--	---

XML Format (Without Pagination)

request

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

input

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

response

Status	Response
SUCCESS	<pre> <?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the objects.</message> <timeStamp>11 Sep, 2015 3:52:31 PM</timeStamp> <resultObject class="vector"> <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</source> <webNMS></webNMS> <groupName>rest-test</groupName> <dynamicProps></dynamicProps> <userProperties></userProperties> <mappedProperties class="properties"></mappedProperties> </com.adventnet.nms.eventdb.Event> <com.adventnet.nms.eventdb.Event> <id>134</id> <text>At least one node on this net is in failure state.</text> <category>Topology</category> <node>ZZZ.ZZZ.ZZZ.ZZZ</node> <entity>ZZZ.ZZZ.ZZZ.ZZZ</entity> <severity>2</severity> <time>1441883632969</time> <source>ZZZ.ZZZ.ZZZ.ZZZ</source> <dynamicProps></dynamicProps> <userProperties></userProperties> <mappedProperties class="properties"></mappedProperties> </com.adventnet.nms.eventdb.Event> </pre>

	<pre> </resultObject> </NmsRESTResult> </pre>
FAILED / NOT PROCESSED	<p><u>Invalid Input:</u></p> <pre> <?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> </NmsRESTResult> </pre> <p><u>Empty Input:</u></p> <pre> <?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 15:54:48 IST 2015</timeStamp> <error class="com.webnms.rest.plugin.messagecomposer.NmsRestError"> <http_code>400</http_code> <code></code> <description>bad_request</description> </error> </NmsRESTResult> </pre>

JSON Format(With Pagination)

request

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

input

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

response

Status	Response
SUCCESS	<pre>{ "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",</pre>

```

        "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:

```
{
```


FAILED / NOT PROCESSED	<pre> "NmsRESTResult": { "message": "Empty argument passed for parameters:classname", "error": { "description": "bad_request", "http_code": "400", "code": "" }, "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" } } </pre>
--	---

XML Format (With Pagination)

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	Event

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

response

Status	Response
SUCCESS	<pre><?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the objects.</message> <timeStamp>11 Sep, 2015 3:56:17 PM</timeStamp> <resultObject class="vector"> <properties> <property name="source" value="rest-test"></property> <property name="id" value="135"></property> <property name="category" value="Topology"></property> <property name="time" value="1441883633010"></property> <property name="node" value="rest-test"></property> <property name="entity" value="rest-test"></property> <property name="text" value="Node failure. This probably means one or more interfaces have failed."></property> <property name="groupName" value="rest- test"></property> <property name="severity" value="2"></property> </properties> </properties></pre>

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

	<pre> </error> </NmsRESTResult> <u>Invalid Input:</u> <?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> </pre>
--	--

2.3 getObjectPropsWithProps

JSON Format (Without Pagination)

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	Event
GET	fetchproperties	<URL encoded JSON	%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>	%7B%22severity%22%3A%22%22%7D%0A Note: URL encoded value of the string {"severity":"2"}
GET	returnasprops	<String>	true

response

Status	Response
SUCCESS	<pre>{ "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.", "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" }] } }</pre>

	<pre> ], "timeStamp": "11 Sep, 2015 4:05:02 PM", "status": "SUCCESS" } }</pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> { "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" } }</pre> <p><u>Invalid Input:</u></p> <pre> { "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" } }</pre>

XML Format (Without Pagination)

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	Event
GET	fetchproperties	<URL encoded XML String>	<p>%3Cstring-array%3E%3Cstring%3Eid%3C%2Fstring%3E%3Cstring%3Eentity%3C%2Fstring%3E%3Cstring%3Esource%3C%2Fstring%3E%3Cstring%3Etext%3C%2Fstring%3E%3C%2Fstring-array%3E</p> <p>Note: URL encoded value for the XML string</p> <p><string-array><string>id</string><string>entity</string><string>source</string><string>text</string></string-array></p>
GET	criteria	<URL encoded XML String>	<p>%3Cproperties%3E%3Cproperty%20name%3D%22severity%22%20value%3D%222%22%3E%3C%2Fproperty%3E%3C%2Fproperties%3E</p> <p>Note: URL encoded value for the XML string</p> <p><properties><property name="severity" value="2"></property></properties></p>
GET	returnasprops	<String>	true

response

Status	Response
SUCCESS	<pre> <?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the objects.</message> <timeStamp>11 Sep, 2015 4:08:27 PM</timeStamp> <resultObject class="vector"> <properties> <property name="entity" value="IF-rest- test"></property> <property name="source" value="IF-rest- test"></property> <property name="text" value="Interface failure. Status poll failed."></property> <property name="id" value="133"></property> </properties> <properties> <property name="entity" value="ZZZ.ZZZ.ZZZ.ZZZ"></property> <property name="source" value="ZZZ.ZZZ.ZZZ.ZZZ"></property> <property name="text" value="At least one node on this net is in failure state."></property> <property name="id" value="134"></property> </properties> <properties> <property name="entity" value="rest-test"></property> <property name="source" value="rest-test"></property> <property name="text" value="Node failure. This probably means one or more interfaces have failed."></property> <property name="id" value="135"></property> </properties> </resultObject> </pre>

	</NmsRESTResult>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?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> </pre> <p><u>Invalid Input:</u></p> <pre> <?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> </pre>

JSON Format (With Pagination)

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

	ithprops
--	----------

input

Type	Params	Values	Sample
GET	classname	<String>	Event
GET	fetchproperties	<URL encoded JSON String>	%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>	%7B%22severity%22%3A%22%22%7D%0A Note: URL encoded value for the JSON string {"severity":"2"}
GET	returnsasprops	<String>	true
GET	needpagination	<String>	true
GET	startindex	<String>	1
GET	endindex	<String>	3

response

Status	Response
SUCCESS	<pre>{ "NmsRESTRestResult": { "message": "Successfully retrieved the objects.", "resultObject": [{ "id": "135", "groupName": "rest-test", "text": "Node failure. This probably means one or more</pre>

```

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",

```

FAILED / NOT PROCESSED	<pre> "error": { "description": "bad_request", "http_code": "400", "code": "" }, "timestamp": "Fri Sep 11 17:52:02 IST 2015", "status": "NOT PROCESSED" } } <u>Invalid Input:</u> { "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" } } </pre>
--	---

XML Format (with Pagination)

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	Event

GET	fetchproperties	<URL encoded XML String>	%3Cstring- array%3E%3Cstring%3Eid%3C%2Fstring%3E%3 Cstring%3Eentity%3C%2Fstring%3E%3Cstring 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>source</string><string >text</string></string-array>
GET	criteria	<URL encoded XML String>	%3Cproperties%3E%3Cproperty%20name%3D%2 2severity%22%20value%3D%22%22%3E%3C%2F property%3E%3C%2Fproperties%3E Note: URL encoded value for the XML string <properties><property name="severity" value="2"></property></properties>
GET	returnsasprops	<String>	true
GET	needpagination	<String>	true
GET	startindex	<String>	1
GET	endindex	<String>	3

response

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

SUCCESS

```

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

```

	<pre> <pagination> <startIndex>1</startIndex> <endIndex>3</endIndex> <nextURL>##URL String##</nextURL> <totalLength>262</totalLength> </pagination> </NmsRESTResult> </pre>
FAILED NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?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> </pre> <p><u>Invalid Input:</u></p> <pre> <?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> </pre>

3. AlertAPI

3.1 getObjects

JSON Format(Without Pagination)

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	Alert
GET	criteria	<URL encoded JSON String>	%7B%22severity%22%3A%22%7D%0A Note: URL encoded value for the string {"severity":"2"}

response

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


```
        "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": []
    }
],
```

	<pre> "timestamp": "11 Sep, 2015 6:22:17 PM", "status": "SUCCESS" } </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> { "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" } } </pre> <p><u>Invalid Input:</u></p> <pre> { "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" } } </pre>

XML Format (without Pagination)

request

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

input

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

response

Status	Response
SUCCESS	<pre><?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the objects.</message> <timeStamp>11 Sep, 2015 6:28:36 PM</timeStamp> <resultObject class="vector"> <com.adventnet.nms.alertdb.Alert> <id>768</id> <groupName>rest-test1</groupName> <category>Topology</category> <severity>2</severity> <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>
    <previousSeverity>-1</previousSeverity>
    <entity>XXX.XXX.XXX.XXX</entity>
    <createTime>1441887310940</createTime>
    <modTime>1441887310940</modTime>
    <message>At least one node on this net is in failure
state.</message>
    <source>XXX.XXX.XXX.XXX</source>
    <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>
  <message>Empty argument passed for the
parameters:classname,criteria</message>

```

FAILED

/ NOT PROCESSED	<pre> <timeStamp>Fri Sep 11 18:30:27 IST 2015</timeStamp> <error class="com.webnms.rest.plugin.messagecomposer.NmsRestError"> <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> </pre>
--------------------	---

JSON Format(with Pagination)

request

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

input

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

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

response

Status	Response
SUCCESS	<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.XXX.XXX", "category": "Topology", "previousSeverity": "-1", "source": "XXX.XXX.XXX.XXX", "entity": "XXX.XXX.XXX.XXX", "severity": "2" }, { "message": "Interface failure. Status poll failed.", "id": "214", "createTime": "1441888639297", "modTime": "1441888639297", "groupName": "XXX.XXX.XXX.XXX", "category": "Topology", "previousSeverity": "-1", "source": "IF-XXX.XXX.XXX.XXX", "webNMS": "", </pre>

	<pre> "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 } } }</pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> { "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", "status": "NOT PROCESSED" } }</pre> <p><u>Invalid Input:</u></p> <pre> { "NmsRESTResult": { "message": "Invalid input for the REST request for the parameters:criteria",</pre>

```
{
  "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

input

Type	Params	Values	Sample
GET	classname	<String>	Alert
GET	criteria	<URL encoded XML String>	%3Cproperties%3E%3Cproperty%20name%3D%22severity%22%20value%3D%22%22%3E%3C%2Fproperty%3E%3C%2Fproperties%3E Note: URL encoded value for the XML String <properties><property name="severity" value="2"></property></properties>
GET	needpagination	<String>	true
GET	startindex	<String>	1
GET	endindex	<String>	3

response

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

SUCCESS

```

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

```

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

	<u>Invalid Input:</u> <pre><?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 18:37:25 IST 2015</timeStamp> <error class="com.webnms.rest.plugin.messagecomposer.NmsRestError"> <http_code>400</http_code> <description>bad_request</description> </error> </NmsRESTResult></pre>
--	--

3.2 getObjectPropsWithProps

JSON Format (Without Pagination)

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	Alert
GET	fetchproperties	<URL encoded JSON String>	%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	%7B%22severity%22%3A%22%22%7D%0A

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

response

Status	Response
SUCCESS	<pre>{ "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", "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" } }</pre>

FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre>{ "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" } }</pre> <p><u>Invalid Input:</u></p> <pre>{ "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" } }</pre>
--	--

XML Format (Without Pagination)

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	Alert
GET	fetchproperties	<URL encoded XML String>	%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</st ring><string>source</string><string>message </string></string-array>
GET	criteria	<URL encoded XML String>	%3Cproperties%3E%3Cproperty%20name%3D%22sev erity%22%20value%3D%22%22%3E%3C%2Fproperty %3E%3C%2Fproperties%3E Note: URL encoded value for the XML string <properties><property name="severity" value="2"></property></properties>
GET	returnasprops	<String>	true

response

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

	<pre> poll failed."></property> <property name="source" value="IF-rest-test1"></property> <property name="id" value="899"></property> </properties> <properties> <property name="entity" value="XXX.XXX.XXX.XXX"></property> <property name="message" value="At least one node on this net is in failure state."></property> <property name="source" value="XXX.XXX.XXX.XXX"></property> <property name="id" value="207"></property> </properties> </resultObject> </NmsRESTResult> </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?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"> <http_code>400</http_code> <code></code> <description>bad_request</description> </error> </NmsRESTResult> </pre> <p><u>Invalid Input:</u></p> <pre> <?xml version="1.0" ?> <NmsRESTResult> <status>NOT PROCESSED</status> </pre>

```
<message>Invalid input for the REST request for
parameters:criteria,fetchproperties</message>
<timeStamp>Fri Sep 11 19:07:25 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/alertapi/getobjectpropswithprops

input

Type	Params	Values	Sample
GET	classname	<String>	Alert
GET	fetchproperties	<URL encoded XML String>	%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>	%7B%22severity%22%3A%22%22%7D%0A Note: URL encoded format of the string {"severity":"2"}
GET	returnsasprops	<String>	true
GET	needpagination	<String>	true

GET	startindex	<String>	1
GET	endindex	<String>	3

response

Status	Response
SUCCESS	<pre>{ "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",</pre>

	<pre> "status": "SUCCESS", "pagination": { "totalLength": 258, "startIndex": 1, "nextURL": "##URL String##", "endIndex": 3 } } } </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> { "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" } } </pre> <p><u>Invalid Input:</u></p> <pre> { "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" } } </pre>

XML Format (With Pagination)

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	Alert
GET	fetchproperties	<URL encoded XML String>	<p>%3Cstring-array%3E%3Cstring%3Eid%3C%2Fstring%3E%3Cstring%3Eentity%3C%2Fstring%3E%3Cstring%3Esource%3C%2Fstring%3E%3Cstring%3Emessage%3C%2Fstring%3E%3C%2Fstring-array%3E%0A%0A%0A</p> <p>Note: URL encoded string for the XML string</p> <p><string-array><string>id</string><string>entity</string><string>source</string><string>message</string></string-array></p>
GET	criteria	<URL encoded XML String>	<p>%3Cproperties%3E%3Cproperty%20name%3D%22severity%22%20value%3D%22%22%3E%3C%2Fproperty%3E%3C%2Fproperties%3E</p> <p>Note: URL encoded value for the XML string</p> <p><properties><property name="severity" value="2"></property></properties></p>
GET	returnsasprops	<String>	true
GET	needpagination	<String>	true

GET	startindex	<String>	1
GET	endindex	<String>	2

response

Status	Response
SUCCESS	<pre> <?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the objects.</message> <timeStamp>11 Sep, 2015 7:11:48 PM</timeStamp> <resultObject class="vector"> <properties> <property name="source" value="IF- XXX.XXX.XXX.XXX"></property> <property name="previousSeverity" value="-1"></property> <property name="modTime" value="1441888639297"></property> <property name="id" value="214"></property> <property name="category" value="Topology"></property> <property name="entity" value="IF- XXX.XXX.XXX.XXX"></property> <property name="webNMS" value=""></property> <property name="createTime" value="1441888639297"></property> <property name="groupName" value="XXX.XXX.XXX.XXX"></property> <property name="message" value="Interface failure. Status poll failed."></property> <property name="severity" value="2"></property> </properties> <properties> <property name="source" value="XXX.XXX.XXX.XXX"></property> <property name="previousSeverity" value="-1"></property> <property name="modTime" value="1441887310940"></property> <property name="id" value="207"></property> <property name="category" value="Topology"></property> </pre>

	<pre> <property name="entity" value="XXX.XXX.XXX.XXX"></property> <property name="createTime" value="1441887310940"></property> <property name="message" value="At least one node on this net is in failure state."></property> <property name="severity" value="2"></property> </properties> </resultObject> <pagination> <startIndex>1</startIndex> <endIndex>2</endIndex> <nextURL>##URL String##</nextURL> <totalLength>146</totalLength> </pagination> </NmsRESTResult> </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?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"> <http_code>400</http_code> <code></code> <description>bad_request</description> </error> </NmsRESTResult> </pre> <p><u>Invalid Input:</u></p> <pre> <?xml version="1.0" ?> <NmsRESTResult> <status>NOT PROCESSED</status> <message>Invalid input for the REST request for </pre>

```
parameters:criteria,fetchproperties</message>
  <timeStamp>Fri Sep 11 19:16:39 IST 2015</timeStamp>
  <error
class="com.webnms.rest.plugin.messagecomposer.NmsRestError">
    <http_code>400</http_code>
    <code></code>
    <description>bad_request</description>
  </error>
</NmsRESTResult>
```

4. PollAPI

4.1 getObjects

JSON Format

request

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

input

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

response

Status	Response
SUCCESS	<pre>{ "NmsRESTResult": { "message": "Successfully retrieved the objects.", "resultObject": [{ "port": 161, "numericType": 1, "groupName": "default", "timeAvg": false, "save": true, </pre>

```
"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",
```

	<pre> "active": true, "dynamicProps": [], "threshVector": [] }], "timestamp": "11 Sep, 2015 7:39:18 PM", "status": "SUCCESS" } }</pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> { "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" } }</pre> <p><u>Invalid Input:</u></p> <pre> { "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" } }</pre>

XML Format

request

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

input

Type	Params	Values	Sample
GET	classname	<String>	PolledData
GET	criteria	<URL encoded XML String>	<p>%3Cproperties%3E%3Cproperty%20name%3D%22name%22%20value%3D%22INTERFACE*%22%3E%3C%2Fproperty%3E%3Cproperty%20name%3D%22agent%22%20value%3D%22rest-test1%22%3E%3C%2Fproperty%3E%3C%2Fproperties%3E</p> <p>Note: URL encoded value for the string <properties><property name="name" value="INTERFACE*"></property><property name="agent" value="rest-test1"></property></properties></p>

response

Status	Response
SUCCESS	<pre><?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the objects.</message> <timeStamp>11 Sep, 2015 7:57:38 PM</timeStamp> <resultObject class="vector"> <com.adventnet.nms.poll.PolledData> <name>INTERFACE_in_octets</name> <id>11</id> <lastCounterValue>880715708</lastCounterValue></pre>

```
<lastTimeValue>1441981152441</lastTimeValue>
<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>
<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>
<parentObj>IF-rest-test1</parentObj>
<protocol>SNMP</protocol>
<savePollCount>1</savePollCount>
<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</lastCounterValue>
  <lastTimeValue>1441981152441</lastTimeValue>
  <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>
  <parentObj>IF-rest-test1</parentObj>
  <protocol>SNMP</protocol>
  <savePollCount>1</savePollCount>
  <currentSaveCount>0</currentSaveCount>
  <saveOnThreshold>false</saveOnThreshold>
  <snmpVersion>v2</snmpVersion>
```

	<pre> <dynamicProps></dynamicProps> <userProperties></userProperties> <filename>poll0.data</filename> <mappedProperties class="properties"></mappedProperties> <counterUpdateRequired>true</counterUpdateRequired> </com.adventnet.nms.poll.PolledData> </resultObject> </NmsRESTResult> </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?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> </NmsRESTResult> </pre> <p><u>Invalid Input:</u></p> <pre> <?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> </pre>

4.2 getCollectedData

JSON Format

request

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

input

Type	Params	Values	Sample
GET	index	<String>	-1
GET	key	<URL encoded JSON String>	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
GET	starttime	<String>	1441909905903
GET	endtime	<String>	1441911405999

response

Status	Response
SUCCESS	<pre>{ "NmsRESTResult": { "message": "Successfully retrieved the collected data.", "resultObject": { "origVector": [1441910205999, 1441910805998, 1441911405999], </pre>

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

XML Format request

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

input

Type	Params	Values	Sample
GET	index	<String>	-1
GET	key	<URL encoded XML String>	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
GET	starttime	<String>	1441909905903
GET	endtime	<String>	1441911405999

response

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

	<pre> <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> </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?xml version="1.0" ?> <NmsRESTResult> <status>NOT PROCESSED</status> <message>Empty argument passed for the parameters:index,key</message> <timeStamp>Fri Sep 11 22:17:42 IST 2015</timeStamp> <error class="com.webnms.rest.plugin.messagecomposer.NmsRestError"> <http_code>400</http_code> <description>bad_request</description> </error> </NmsRESTResult> </pre>

4.3 getCollectedValues

JSON Format

request

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

input

Type	Params	Values	Sample
GET	key	<URL encoded JSON String>	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
GET	starttime	<String>	1441909905903
GET	endtime	<String>	1441911405999

response

Status	Response
SUCCESS	{ "NmsRESTResult": { "message": "Successfully retrieved the collected values.", "resultObject": { "origVector": [1441910205999, 1441910805998,] } }

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

XML Format

request

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

input

Type	Params	Values	Sample
GET	key	<URL encoded String>	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
GET	starttime	<String>	1441909905903
GET	endtime	<String>	1441911405999

response

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

	<pre> <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> </pre>
FAILED / NOT PROCESSED	<p><u>Empty Input:</u></p> <pre> <?xml version="1.0" ?> <NmsRESTResult> <status>NOT PROCESSED</status> <message>Empty argument passed for the parameters:key</message> <timeStamp>Fri Sep 11 22:29:41 IST 2015</timeStamp> <error class="com.webnms.rest.plugin.messagecomposer.NmsRestError"> <http_code>400</http_code> <description>bad_request</description> </error> </NmsRESTResult> </pre>

5. ProvisioningAPI

5.1 getTemplateList

JSON Format

request

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

input

Type	Params	Values	Sample
GET	directorypath	<String>	.

response

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	-

XML Format

request

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

input

Type	Params	Values	Sample
GET	obj	<String>	.

response

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

5.2 getInputsInTemplate

JSON Format

request

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

input

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

response

Status	Response
SUCCESS	<pre>{ "NmsRESTResult": { "message": "Successfully retrieved the inputs in the template:CrossConnect", "resultObject": { "\$UserInput\$dcard": "ST1-15-1", "\$UserInput\$schan": "1", "\$UserInput\$next1": "", "HOST": "", "\$UserInput\$2": "289", "\$UserInput\$1": "", "\$UserInput\$4": "ACT-USER", "\$UserInput\$6": "R00T", "\$UserInput\$5": "", "\$UserInput\$8": "", "\$UserInput\$7": "", "\$UserInput\$scard": "ST1-8-1",</pre>

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

XML Format request

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

input

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

response

Status	Response
SUCCESS	<pre> <?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the inputs in the template:CrossConnect</message> <timeStamp>14 Sep, 2015 4:01:07 PM</timeStamp> <resultObject class="properties"> <property name="\$UserInput\$scard" value="ST1-8-1"></property> <property name="\$UserInput\$schan" value="1"></property> <property name="\$UserInput\$8" value=""></property> <property name="\$UserInput\$7" value=""></property> <property name="\$UserInput\$6" value="R00T"></property> <property name="\$UserInput\$dcard" value="ST1-15-1"></property> <property name="\$UserInput\$dchan" value="1"></property> <property name="\$UserInput\$5" value=""></property> <property name="\$UserInput\$4" value="ACT-USER"></property> <property name="\$UserInput\$next1" value=""></property> <property name="\$UserInput\$2" value="289"></property> <property name="\$UserInput\$1" value=""></property> <property name="HOST" value=""></property> </resultObject> </NmsRESTResult> </pre>
FAILED / NOT PROCESSED	<pre> <?xml version="1.0" ?> <NmsRESTResult> <status>NOT PROCESSED</status> <message>Empty argument passed for the parameter:templatename</message> <timeStamp>Mon Sep 14 16:08:35 IST 2015</timeStamp> <error class="com.webnms.rest.plugin.messagecomposer.NmsRestError"> <http_code>400</http_code> <description>bad_request</description> </error> </NmsRESTResult> </pre>

5.3 getUserInputsInTemplate

JSON Format

request

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

input

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

response

Status	Response
SUCCESS	<pre>{ "NmsRESTResult": { "message": "Successfully retrieved the inputs in the template:CrossConnect", "resultObject": { "\$UserInput\$2": "289", "\$UserInput\$1": "", "\$UserInput\$4": "ACT-USER", "\$UserInput\$6": "R00T", "\$UserInput\$8": "", "\$UserInput\$7": "", "\$UserInput\$dcard": "ST1-15-1", "\$UserInput\$scard": "ST1-8-1", "\$UserInput\$nextt1": "", "\$UserInput\$schan": "1", </pre>

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

XML Format

request

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

input

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

response

Status	Response
SUCCESS	<pre><?xml version="1.0" ?> <NmsRESTResult> <status>SUCCESS</status> <message>Successfully retrieved the inputs in the template:CrossConnect</message> <timeStamp>14 Sep, 2015 4:12:03 PM</timeStamp> <resultObject class="properties"> <property name="\$UserInput\$scard" value="ST1-8-1"></property> <property name="\$UserInput\$schan" value="1"></property> <property name="\$UserInput\$8" value=""></property> <property name="\$UserInput\$7" value=""></property> <property name="\$UserInput\$6" value="R00T"></property> <property name="\$UserInput\$dcard" value="ST1-15-1"></property> <property name="\$UserInput\$dcchan" value="1"></property> <property name="\$UserInput\$5" value=""></property> <property name="\$UserInput\$4" value="ACT-USER"></property> <property name="\$UserInput\$next1" value=""></property> <property name="\$UserInput\$2" value="289"></property> <property name="\$UserInput\$1" value=""></property> </resultObject> </NmsRESTResult></pre>
FAILED / NOT PROCESSED	<pre><?xml version="1.0" ?> <NmsRESTResult> <status>NOT PROCESSED</status> <message>Empty argument passed for the parameter:templatename</message> <timeStamp>Mon Sep 14 16:08:35 IST 2015</timeStamp> <error class="com.webnms.rest.plugin.messagecomposer.NmsRestError"> <http_code>400</http_code> <description>bad_request</description> </error> </NmsRESTResult></pre>

5.4 executeProvisioningTemplate

JSON Format

request

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

input

Type	Params	Values	Sample
POST	templatename	<String>	CrossConnect
POST	userinputproperties	<String>	{"\$UserInput\$HOST":"test","\$UserInput\$COMMUNITY":"public"}

response

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

FAILED / NOT PROCESSED	<pre>{ "NmsRESTResult": { "message": "Empty argument passed for the parameters:templatename,stagelabel", "error": { "description": "bad_request", "http_code": "400" }, "timestamp": "Mon Sep 14 16:20:59 IST 2015", "status": "NOT PROCESSED" } }</pre> <p><u>Invalid Input:</u></p> <pre>{ "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" } }</pre>
--	---

XML Format request

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

input

Type	Params	Values	Sample
POST	templatename	<String>	SlerreServiceVlanSimple
POST	userinputproperties	<String>	<properties><property name="\$UserInput\$1#" value="suresh-2738.csez.zohocorpin.com"></property><property name="\$UserInput\$2#" value="192.168.1.0"></property></properties>

response

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

/

NOT PROCESSED

```
<status>NOT PROCESSED</status>
<message>Empty argument passed for the
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>
```