@ FILE NAME:    **M_FTC_ID_058.txt**

@ TEST SCOPE:    **M PLANE O-RAN FUNCTIONAL**

@ Software Release for B40:   **v0.0.5**

**Test Description : Test to verify whether from the NETCONF Error List with tag**

**missing-element**

==================================================================
********** **Connect to the NETCONF Server** **********
==================================================================

> connect --ssh --host 192.168.4.61 --port 830 --login operator

       Interactive SSH Authentication

       Type your password:

       Password:

       > status

       Current NETCONF session:

       ID     : 14

       Host   : 192.168.4.61

       Port   : 830

       Transport  : SSH

       Capabilities:

       urn:ietf:params:netconf:base:1.0urn:ietf:params:netconf:base:1.1urn:ietf:params:netconf:capability:writable-running:1.0

urn:ietf:params:netconf:capability:candidate:1.0urn:ietf:params:netconf:capability:rollback-on-error:1.0

urn:ietf:params:netconf:capability:validate:1.1urn:ietf:params:netconf:capability:startup:1.0urn:ietf:params:netconf:capability:xpath:1.0

urn:ietf:params:netconf:capability:with-defaults:1.0?basic-mode=explicit&also-supported=report-all,report-all-tagged,trim,explicit

urn:ietf:params:netconf:capability:notification:1.0urn:ietf:params:netconf:capability:interleave:1.0

urn:ietf:params:xml:ns:yang:ietf-yang-metadata?module=ietf-yang-metadata&revision=2016-08-05

urn:ietf:params:xml:ns:yang:1?module=yang&revision=2017-02-20

urn:ietf:params:xml:ns:yang:ietf-inet-types?module=ietf-inet-types&revision=2013-07-15

urn:ietf:params:xml:ns:yang:ietf-yang-types?module=ietf-yang-types&revision=2013-07-15

urn:ietf:params:netconf:capability:yang-library:1.1?revision=2019-01-04&content-id=61

urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10

urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14

urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,validate,startup,url,xpathurn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults?module=ietf-netconf-with-defaults&revision=2011-06-01

urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06

urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring?module=ietf-netconf-monitoring&revision=2010-10-04

urn:ietf:params:xml:ns:netconf:notification:1.0?module=notifications&revision=2008-07-14

urn:ietf:params:xml:ns:netmod:notification?module=nc-notifications&revision=2008-07-14

urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name?module=ietf-x509-cert-to-name&revision=2014-12-10

urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&revision=2014-08-06urn:notification_history?module=notification_history

urn:ietf:params:xml:ns:yang:iana-if-type?module=iana-if-type&revision=2017-01-19

==================================================================
********** **Create Subscription** **********
==================================================================


==================================================================
**>subscribe**
==================================================================


Ok


==================================================================
 ******* **Configure Inteface yang******** 
==================================================================

=======================================================================
> **edit-config --target running --config --defop merge**
=======================================================================

=======================================================================
  **\*\*\*\*\*\*\*  Replace with XMl \*\*\*\*\*\*\*\***
=======================================================================

```xml
<interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
 <interface>
  <vlan-id xmlns="urn:o-ran:interfaces:1.0">100</vlan-id>
  <mac-address xmlns="urn:o-ran:interfaces:1.0">78:7d:f3:01:16:21</mac-address>
  <port-reference xmlns="urn:o-ran:interfaces:1.0">
   <port-name>ru-port1</port-name>
   <port-number>1</port-number>
  </port-reference>
 </interface>
</interfaces>
```

=============================================================================
############ SYSTEM LOGS #############
=============================================================================

May 18 04:55:35 b40 daemon.info netopeer2-server[965]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 04:55:35 b40 daemon.info netopeer2-server[965]: getsockopt() error (Connection refused).

May 18 04:55:36 b40 daemon.info netopeer2-server[965]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 04:55:36 b40 daemon.info netopeer2-server[965]: getsockopt() error (Connection refused).

May 18 04:55:37 b40 daemon.info netopeer2-server[965]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 04:55:37 b40 daemon.info netopeer2-server[965]: getsockopt() error (Connection refused).

May 18 04:55:38 b40 daemon.info netopeer2-server[965]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 04:55:38 b40 daemon.info netopeer2-server[965]: getsockopt() error (Connection refused).

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Successfully connected to 192.168.4.15:4334 over IPv4.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Session 269 (user "root", CID 1) created.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Received an SSH message "request-service" of subtype "ssh-userauth".

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Received an SSH message "request-auth" of subtype "password".

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: User "operator" authenticated.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Received an SSH message "request-channel-open" of subtype "session".

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Received an SSH message "request-channel" of subtype "subsystem".

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Call Home client "default-client" session 14 established.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Session 270 (user "root", CID 1) created.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: There are no subscribers for "ietf-netconf-notifications" notifications.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Generated new event (netconf-session-start).

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Published event "rpc" "/ietf-netconf:get" with ID 42 priority 0 for 1 subscribers.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Processing "/ietf-netconf:get" "rpc" event with ID 42 priority 0 (remaining 1 subscribers).

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Successful processing of "rpc" event with ID 42 priority 0 (remaining 0 subscribers).

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Event "rpc" with ID 42 priority 0 succeeded.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Session 14: thread 4 event new RPC.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Published event "rpc" "/ietf-netconf:get" with ID 43 priority 0 for 1 subscribers.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Processing "/ietf-netconf:get" "rpc" event with ID 43 priority 0 (remaining 1 subscribers).

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 18.

May 18 04:55:39 b40 user.notice fw_manager[1111]: RPC #18 recieved. xpath -> /o-ran-software-management:software-inventory

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Event "operational" with ID 18 succeeded.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL O-RU", but it is not required.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "", but it is not required.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Successful processing of "rpc" event with ID 43 priority 0 (remaining 0 subscribers).

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Event "rpc" with ID 43 priority 0 succeeded.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL O-RU", but it is not required.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "", but it is not required.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:39 b40 daemon.info netopeer2-server[965]: Session 14: thread 0 event new RPC.

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: Published event "rpc" "/ietf-netconf:get-config" with ID 19 priority 0 for 1 subscribers.

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: Processing "/ietf-netconf:get-config" "rpc" event with ID 19 priority 0 (remaining 1 subscribers).

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: Successful processing of "rpc" event with ID 19 priority 0 (remaining 0 subscribers).

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: Event "rpc" with ID 19 priority 0 succeeded.

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:40 b40 daemon.info netopeer2-server[965]: Session 14: thread 2 event new RPC.

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: Published event "rpc" "/notifications:create-subscription" with ID 12 priority 0 for 1 subscribers.

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: Processing "/notifications:create-subscription" "rpc" event with ID 12 priority 0 (remaining 1 subscribers).

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: Successful processing of "rpc" event with ID 12 priority 0 (remaining 0 subscribers).

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: Event "rpc" with ID 12 priority 0 succeeded.

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: Session 14: thread 0 event new RPC.

May 18 04:55:45 b40 daemon.err netopeer2-server[965]: Missing element's "namespace". (/nc:rpc/nc:edit-config/config)

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: Session 14: thread 4 event bad RPC.

May 18 04:55:45 b40 daemon.info netopeer2-server[965]: Session 14: thread 4 event reply error.

May 18 04:55:45 b40 authpriv.debug sshd[6759]: pam_unix(sshd:account): account operator has password changed in future

May 18 04:55:45 b40 auth.info sshd[6759]: Accepted password for operator from 192.168.4.15 port 48262 ssh2

May 18 04:55:45 b40 authpriv.info sshd[6759]: pam_unix(sshd:session): session opened for user operator by (uid=0)

**Expected Result : An expected element is missing.**


**error-tag:     missing-element**

**error-type:     protocol, application**

**error-severity: error**

**error-info:     <bad-element> : name of the missing element**

**Description:    An expected element is missing.**

=====================================================================
  **\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Actual Result \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***
=====================================================================


=====================================================================
**ERROR**
=====================================================================
error-type      :    applicationerror-tag       :    operation-failederror-severity    :     error
=====================================================================
**unsupported format string passed to NoneType.__format__**
=====================================================================
Error occured in line number 212