



@ FILE NAME: M_FTC_ID_056.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 bad-attribute.

```
=====
***** 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      : 12
```

```
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,valida
te,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
```

```
=====
***** User_mgmt GET FILTER*****
=====
```

```
=====
>get --filter-xpath /o-ran-usermgmt:users/user
=====
```

```
<?xml version="1.0" ?>
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">
<users xmlns="urn:o-ran:user-mgmt:1.0">
  <user>
    <name>oranuser</name>
    <account-type>PASSWORD</account-type>
    <enabled>true</enabled>
  </user>
  <user>
    <name>operator</name>
    <account-type>PASSWORD</account-type>
    <enabled>true</enabled>
  </user>
  <user>
    <name>observer</name>
    <account-type>PASSWORD</account-type>
    <enabled>true</enabled>
  </user>
  <user>
    <name>installer</name>
    <account-type>PASSWORD</account-type>
    <enabled>true</enabled>
  </user>
</users>
</data>
```

```
=====
***** Create NEW USER *****
=====
```

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

```
=====
***** Replace with XMI *****
=====
```

```
<users xmlns="urn:o-ran:user-mgmt:1.0">
  <user>
    <name>OPERATOR</name>
    <account-type>PASSWORD</account-type>
    <password>admin123</password>
    <enabled>true</enabled>
  </user>
</users>
```

```
=====
##### Rpc Reply #####
=====
```

ERROR

```
type      : application
tag       : operation-failed
severity  : error
path      : /o-ran-usermgmt:users/user[name='OPERATOR']/name
message   : [bad-attribute] Username not valid!!
```

=====

SYSTEM LOGS

=====

May 18 04:51:53 b40 daemon.info netopeer2-server[965]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 04:51:53 b40 daemon.info netopeer2-server[965]: getsockopt() error (Connection refused).

May 18 04:51:54 b40 daemon.info netopeer2-server[965]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 04:51:54 b40 daemon.info netopeer2-server[965]: getsockopt() error (Connection refused).

May 18 04:51:55 b40 daemon.info netopeer2-server[965]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 04:51:55 b40 daemon.info netopeer2-server[965]: getsockopt() error (Connection refused).

May 18 04:51:56 b40 daemon.info netopeer2-server[965]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 04:51:56 b40 daemon.info netopeer2-server[965]: getsockopt() error (Connection refused).

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Trying to connect via IPv4 to 192.168.4.15:4334.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Successfully connected to 192.168.4.15:4334 over IPv4.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Session 252 (user "root", CID 1) created.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Received an SSH message "request-service" of subtype "ssh-userauth".

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Received an SSH message "request-auth" of subtype "password".

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: User "operator" authenticated.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Received an SSH message "request-channel-open" of subtype "session".

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Received an SSH message "request-channel" of subtype "subsystem".

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Call Home client "default-client" session 12 established.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Session 253 (user "root", CID 1) created.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: There are no subscribers for "ietf-netconf-notifications" notifications.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Generated new event (netconf-session-start).

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Published event "rpc" "/ietf-netconf:get" with ID 37 priority 0 for 1 subscribers.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Processing "/ietf-netconf:get" "rpc" event with ID 37 priority 0 (remaining 1 subscribers).

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Successful processing of "rpc" event with ID 37 priority 0 (remaining 0 subscribers).

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Event "rpc" with ID 37 priority 0 succeeded.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Session 12: thread 2 event new RPC.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Published event "rpc" "/ietf-netconf:get" with ID 38 priority 0 for 1 subscribers.

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Processing "/ietf-netconf:get" "rpc" event with ID 38 priority 0 (remaining 1 subscribers).

May 18 04:51:57 b40 daemon.info netopeer2-server[965]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 16.

May 18 04:51:57 b40 user.notice fw_manager[1111]: RPC #16 recieved. xpath -> /o-ran-software-management:software-inventory

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Event "operational" with ID 16 succeeded.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:58 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 04:51:58 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 04:51:58 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 04:51:58 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Successful processing of "rpc" event with ID 38 priority 0 (remaining 0 subscribers).

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Event "rpc" with ID 38 priority 0 succeeded.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:58 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 04:51:58 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 04:51:58 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 04:51:58 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Session 12: thread 2 event new RPC.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Published event "rpc" "/ietf-netconf:get-config" with ID 17 priority 0 for 1 subscribers.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Processing "/ietf-netconf:get-config" "rpc" event with ID 17 priority 0 (remaining 1 subscribers).

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Successful processing of "rpc" event with ID 17 priority 0 (remaining 0 subscribers).

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Event "rpc" with ID 17 priority 0 succeeded.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:51:58 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 04:51:58 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:51:58 b40 daemon.info netopeer2-server[965]: Session 12: thread 3 event new RPC.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Published event "rpc" "/notifications:create-subscription" with ID 11 priority 0 for 1 subscribers.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Processing "/notifications:create-subscription" "rpc" event with ID 11 priority 0 (remaining 1 subscribers).

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Successful processing of "rpc" event with ID 11 priority 0 (remaining 0 subscribers).

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Event "rpc" with ID 11 priority 0 succeeded.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Session 12: thread 3 event new RPC.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Published event "rpc" "/ietf-netconf:get" with ID 39 priority 0 for 1 subscribers.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Processing "/ietf-netconf:get" "rpc" event with ID 39 priority 0 (remaining 1 subscribers).

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Successful processing of "rpc" event with ID 39 priority 0 (remaining 0 subscribers).

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Event "rpc" with ID 39 priority 0 succeeded.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:52:03 b40 daemon.info netopeer2-server[965]: Session 12: thread 0 event new RPC.

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: Published event "rpc" "/ietf-netconf:edit-config" with ID 9 priority 0 for 1 subscribers.

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: Resolving unresolved data nodes and their constraints...

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: All data nodes and constraints resolved.

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: Published event "change" "o-ran-usermgmt" with ID 3 priority 0 for 1 subscribers.

May 18 04:52:04 b40 user.err USERMGMT[1031]: First Letter of User name should be in lowercase and remaining should be in lowercase and numbers!!

May 18 04:52:04 b40 user.err USERMGMT[1031]: User name not valid !!

May 18 04:52:04 b40 daemon.err netopeer2-server[965]: [bad-attribute] Username not valid!!

May 18 04:52:04 b40 daemon.warn netopeer2-server[965]: Event "change" with ID 3 priority 0 failed (Validation failed).

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: Failed processing of "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

May 18 04:52:04 b40 daemon.err netopeer2-server[965]: [bad-attribute] Username not valid!!

May 18 04:52:04 b40 daemon.warn netopeer2-server[965]: Event "rpc" with ID 9 priority 0 failed (User callback failed).

May 18 04:52:04 b40 daemon.err netopeer2-server[965]: Failed to send an RPC (User callback failed).

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: Session 12: thread 0 event new RPC.

May 18 04:52:04 b40 daemon.info netopeer2-server[965]: Session 12: thread 0 event reply error.

May 18 04:52:04 b40 authpriv.debug sshd[13691]: pam_unix(sshd:account): account operator has password changed in future

May 18 04:52:04 b40 auth.info sshd[13691]: Accepted password for operator from 192.168.4.15 port 57306 ssh2

May 18 04:52:04 b40 authpriv.info sshd[13691]: pam_unix(sshd:session): session opened for user operator by (uid=0)

Expected Result : The request or response have an expected attribute missing.same of the element that is supposed to contain the missing attribute

error-tag: bad-attribute

error-type: rpc, protocol, application

error-severity: error

error-info:<bad-attribute> : name of the attribute w/ bad value

<bad-element> : name of the element that contains the attribute with the bad value

Description: An attribute value is not correct; e.g., wrong type, out of range, pattern mismatch.

=====

***** Actual Result *****

=====

=====

Error_Tag[bad-attribute]	=	PASS
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=====