



@ FILE NAME: M_FTC_ID_0129.txt

@ TEST SCOPE: M PLANE O-RAN FUNCTIONAL

@ Software Release for garuda: v5.0.2

Verify whether the O-RU able to provision a user with invalid username/password

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

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

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> connect --ssh --host 192.168.4.65 --port 830 --login operator

Interactive SSH Authentication

Type your password:

Password:

> status

Current NETCONF session:

ID : 14

Host : 192.168.4.65

Port : 830

Transport : SSH

Capabilities:

urn:ietf:params:netconf:base:1.0 urn:ietf:params:netconf:base:1.1 urn:ietf:params:netconf:capability:writable-running:1.0
urn:ietf:params:netconf:capability:candidate:1.0 urn:ietf:params:netconf:capability:rollback-on-error:1.0
urn:ietf:params:netconf:capability:validate:1.1 urn:ietf:params:netconf:capability:startup:1.0 urn: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:1.0 urn: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,valid
ate,startup,url,xpath urn: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=2014-08-06 urn:notification_history?module=notification_history
urn:ietf:params:xml:ns:yang:iana-if-type?module=iana-if-type&revision=2017-01-19

> subscribe

=====

Ok

- ```
=====
```
1. Using the "edit-config" cli use the o-ran-usermgmt.yang Module format.
  2. Create a username having a string exceeding above 32 characters.
  3. The first character must be a lowercase letter. The remaining characters can be a lowercase letter or a number
  4. Create a password with string exceeding above 128 characters.
  - 5.. For password include characters beyond lowercase and uppercase letters, numbers and the special characters: ! \$ % ^ ( ) \_ + ~ { } [ ]
- ```
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```

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```

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

```
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```

```
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```

```
***** Replace with below xml *****
```

```
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```

```
=====
```

RPC Reply

```
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```

ERROR

```
type      : application
tag        : operation-failed
severity   : error
path       : /o-ran-usermgmt:users/user[name='operator12345operator12345operator12345operator']/name
message    : [too-big/too-small] Username not valid, The request or response (that would be generated) istoo big/small for the
implementation to handle.!!
```

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SYSTEM LOGS

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Dec 20 15:51:39 garuda daemon.info dhclient: DHCPREQUEST for 192.168.4.65 on eth0 to 192.168.4.15 port 67

Dec 20 15:51:39 garuda daemon.info dhclient: DHCPACK of 192.168.4.65 from 192.168.4.15

Dec 20 15:51:39 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:39 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:39 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:39 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:40 garuda user.info nw_manager[881]: IFMNGR: EVENT change CHANGES: for module name: ietf-interfaces

Dec 20 15:51:40 garuda user.info nw_manager[881]: IFMNGR: EVENT done CHANGES: for module name: ietf-interfaces

Dec 20 15:51:40 garuda user.info nw_manager[881]: IFMNGR: EVENT change CHANGES: for module name: ietf-interfaces

Dec 20 15:51:40 garuda user.info nw_manager[881]: Interface : eth0 Netmask : 255.255.255.0

Dec 20 15:51:40 garuda user.info nw_manager[881]: IFMNGR: EVENT done CHANGES: for module name: ietf-interfaces

Dec 20 15:51:40 garuda daemon.info dhclient[1314]: eth0 : IP=192.168.4.65/255.255.255.0 router=192.168.4.15 domain="vvdntech.com" dns="192.168.4.15" lease=60

Dec 20 15:51:40 garuda daemon.info dhclient: bound to 192.168.4.65 -- renewal in 27 seconds.

Dec 20 15:51:40 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:40 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:40 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:40 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Successfully connected to 192.168.4.15:4334 over IPv4.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Session 1053 (user "root", CID 1) created.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Received an SSH message "request-service" of subtype "ssh-userauth".

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Received an SSH message "request-auth" of subtype "password".

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: User "operator" authenticated.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Received an SSH message "request-channel-open" of subtype "session".

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Received an SSH message "request-channel" of subtype "subsystem".

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Call Home client "default-client" session 14 established.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Session 1054 (user "root", CID 1) created.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: There are no subscribers for "ietf-netconf-notifications" notifications.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Generated new event (netconf-session-start).

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Published event "rpc" "/ietf-netconf:get" with ID 33 priority 0 for 1 subscribers.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Processing "/ietf-netconf:get" "rpc" event with ID 33 priority 0 (remaining 1 subscribers).

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Successful processing of "rpc" event with ID 33 priority 0 (remaining 0 subscribers).

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Event "rpc" with ID 33 priority 0 succeeded.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Session 14: thread 4 event new RPC.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Published event "rpc" "/ietf-netconf:get" with ID 34 priority 0 for 1 subscribers.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Processing "/ietf-netconf:get" "rpc" event with ID 34 priority 0 (remaining 1 subscribers).

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:41 garuda daemon.info netopeer2-server[852]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 24.

Dec 20 15:51:41 garuda user.notice fw_manager[929]: RPC #24 recieved. xpath -> /o-ran-software-management:software-inventory

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Event "operational" with ID 24 succeeded.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: 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.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "", but it is not required.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: 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.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Successful processing of "rpc" event with ID 34 priority 0 (remaining 0 subscribers).

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Event "rpc" with ID 34 priority 0 succeeded.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: 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.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "", but it is not required.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: 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.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Session 14: thread 0 event new RPC.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Published event "rpc" "/ietf-netconf:get-config" with ID 11 priority 0 for 1 subscribers.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Processing "/ietf-netconf:get-config" "rpc" event with ID 11 priority 0 (remaining 1 subscribers).

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Successful processing of "rpc" event with ID 11 priority 0 (remaining 0 subscribers).

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Event "rpc" with ID 11 priority 0 succeeded.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Session 14: thread 2 event new RPC.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:42 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:43 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:43 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:44 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:44 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:45 garuda user.notice SYNCMNGR[1175]: Received message from S-Plane

Dec 20 15:51:45 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:45 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:46 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:46 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Published event "rpc" "/notifications:create-subscription" with ID 11 priority 0 for 1 subscribers.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Processing "/notifications:create-subscription" "rpc" event with ID 11 priority 0 (remaining 1 subscribers).

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Successful processing of "rpc" event with ID 11 priority 0 (remaining 0 subscribers).

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Event "rpc" with ID 11 priority 0 succeeded.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Session 14: thread 2 event new RPC.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Published event "rpc" "/ietf-netconf:edit-config" with ID 2 priority 0 for 1 subscribers.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 2 priority 0 (remaining 1 subscribers).

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Published event "change" "o-ran-usermgmt" with ID 2 priority 0 for 1 subscribers.

Dec 20 15:51:47 garuda user.err USERMGMT[918]: User name length should be between 3 - 32

Dec 20 15:51:47 garuda user.err USERMGMT[918]: User name not valid !!

Dec 20 15:51:47 garuda daemon.err netopeer2-server[852]: [too-big/too-small] Username not valid, The request or response (that would be generated) istoo big/small for the implementation to handle.!!

Dec 20 15:51:47 garuda daemon.warn netopeer2-server[852]: Event "change" with ID 2 priority 0 failed (Validation failed).

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Failed processing of "rpc" event with ID 2 priority 0 (remaining 1 subscribers).

Dec 20 15:51:47 garuda daemon.err netopeer2-server[852]: [too-big/too-small] Username not valid, The request or response (that would be generated) istoo big/small for the implementation to handle.!!

Dec 20 15:51:47 garuda daemon.warn netopeer2-server[852]: Event "rpc" with ID 2 priority 0 failed (User callback failed).

Dec 20 15:51:47 garuda daemon.err netopeer2-server[852]: Failed to send an RPC (User callback failed).

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Session 14: thread 1 event new RPC.

Dec 20 15:51:47 garuda daemon.info netopeer2-server[852]: Session 14: thread 1 event reply error.

Dec 20 15:51:48 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:48 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:49 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:49 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:50 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:50 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:51 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:51 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:52 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:52 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:52 garuda daemon.info netopeer2-server[852]: Session 14: thread 1 event new RPC.

Dec 20 15:51:52 garuda daemon.info netopeer2-server[852]: Session 14: thread 1 event session terminated.

Dec 20 15:51:53 garuda daemon.info netopeer2-server[852]: There are no subscribers for "ietf-netconf-notifications" notifications.

Dec 20 15:51:53 garuda daemon.info netopeer2-server[852]: Generated new event (netconf-session-end).

Dec 20 15:51:53 garuda daemon.info netopeer2-server[852]: Call Home client "default-client" session terminated.

Dec 20 15:51:53 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:51:53 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:51:53 garuda auth.info sshd[10382]: Accepted password for operator from 192.168.4.15 port 36990 ssh2

Dec 20 15:51:53 garuda authpriv.info sshd[10382]: pam_unix(sshd:session): session opened for user operator by (uid=0)

Expected Result :

- 1. NETCONF Client sends rpc response with error tag.**
- 2. New user cannot be created as does not meet the requirements.**
- 3. New Password could not be created as the requirements are not met for password.**
- 4. Operation Faild Error should be come.**

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

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User Account Provisioning	=	SUCCESS
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