



@ FILE NAME: M\_FTC\_ID\_0122.txt

@ TEST SCOPE: M PLANE O-RAN FUNCTIONAL

@ Software Release for garuda: v5.0.2

<b>Test Description : Test to verify the subscription is Terminating properly.</b>
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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 : 10

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,validate,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

=====

**Configure CLOSE SESSION RPC**

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**> user-rpc**

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**\*\*\*\*\* Replace with below xml \*\*\*\*\***

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```
<close-session xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"></close-session>
```

```
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**\*\*\*\*\* RPC Reply \*\*\*\*\***

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```
<nc:rpc-reply xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"
message-id="urn:uuid:5863b06b-72a1-4356-ba95-802d7100abc5"><nc:ok/></nc:rpc-reply>
```

```
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##### SYSTEM LOGS #####
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```

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Dec 20 15:43:12 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.
Dec 20 15:43:12 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).
Dec 20 15:43:12 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.
Dec 20 15:43:12 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).
Dec 20 15:43:13 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.
Dec 20 15:43:13 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).
Dec 20 15:43:13 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.
Dec 20 15:43:13 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Successfully connected to 192.168.4.15:4334 over IPv4.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Session 852 (user "root", CID 1) created.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Received an SSH message "request-service" of subtype "ssh-userauth".
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Received an SSH message "request-auth" of subtype "password".
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: User "operator" authenticated.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Received an SSH message "request-channel-open" of subtype "session".
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Received an SSH message "request-channel" of subtype "subsystem".
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Call Home client "default-client" session 10 established.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Session 853 (user "root", CID 1) created.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: There are no subscribers for "ietf-netconf-notifications" notifications.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Generated new event (netconf-session-start).
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Published event "rpc" "/ietf-netconf:get" with ID 26 priority 0 for 1 subscribers.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Processing "/ietf-netconf:get" "rpc" event with ID 26 priority 0 (remaining 1 subscribers).
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Successful processing of "rpc" event with ID 26 priority 0 (remaining 0 subscribers).
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Event "rpc" with ID 26 priority 0 succeeded.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Session 10: thread 0 event new RPC.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Published event "rpc" "/ietf-netconf:get" with ID 27 priority 0 for 1 subscribers.
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Processing "/ietf-netconf:get" "rpc" event with ID 27 priority 0 (remaining 1 subscribers).
Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...
Dec 20 15:43:14 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 15:43:14 garuda daemon.info netopeer2-server[852]: There is no leafref
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"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 21.

Dec 20 15:43:14 garuda user.notice fw\_manager[929]: RPC #21 recieved. xpath -> /o-ran-software-management:software-inventory

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Event "operational" with ID 21 succeeded.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:43:14 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 15:43:14 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 15:43:14 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 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Successful processing of "rpc" event with ID 27 priority 0 (remaining 0 subscribers).

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Event "rpc" with ID 27 priority 0 succeeded.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:43:14 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 15:43:14 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 15:43:14 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 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Session 10: thread 2 event new RPC.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Published event "rpc" "/ietf-netconf:get-config" with ID 8 priority 0 for 1 subscribers.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Processing "/ietf-netconf:get-config" "rpc" event with ID 8 priority 0 (remaining 1 subscribers).

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Successful processing of "rpc" event with ID 8 priority 0 (remaining 0 subscribers).

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Event "rpc" with ID 8 priority 0 succeeded.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:43:14 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 15:43:14 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 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Session 10: thread 3 event new RPC.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Resolving unresolved data nodes and their constraints...

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: All data nodes and constraints resolved.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Published event "rpc" "/notifications:create-subscription" with ID 9 priority 0 for 1 subscribers.

Dec 20 15:43:14 garuda daemon.info netopeer2-server[852]: Processing "/notifications:create-subscription" "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

Dec 20 15:43:15 garuda daemon.info netopeer2-server[852]: Successful processing of "rpc" event with ID 9 priority 0 (remaining 0 subscribers).

Dec 20 15:43:15 garuda daemon.info netopeer2-server[852]: Event "rpc" with ID 9 priority 0 succeeded.

Dec 20 15:43:15 garuda daemon.info netopeer2-server[852]: Session 10: thread 2 event new RPC.

Dec 20 15:43:15 garuda daemon.info netopeer2-server[852]: Session 10: thread 0 event new RPC.

Dec 20 15:43:15 garuda daemon.info netopeer2-server[852]: Session 10: thread 0 event session terminated.

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

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

Dec 20 15:43:15 garuda daemon.info netopeer2-server[852]: Call Home client "default-client" session terminated.

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

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

Dec 20 15:43:15 garuda daemon.info netopeer2-server[852]: There are no subscribers for "ietf-netconf-notifications" notifications.

Dec 20 15:43:15 garuda daemon.info netopeer2-server[852]: Generated new event (netconf-session-end).

Dec 20 15:43:16 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:43:16 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:43:16 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:43:16 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:43:17 garuda daemon.info dhclient: DHCPREQUEST for 192.168.4.65 on eth0 to 192.168.4.15 port 67

Dec 20 15:43:17 garuda daemon.info dhclient: DHCPACK of 192.168.4.65 from 192.168.4.15

Dec 20 15:43:17 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:43:17 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:43:17 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:43:17 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:43:18 garuda user.info nw\_manager[881]: IFMNGR: EVENT change CHANGES: for module name: ietf-interfaces

Dec 20 15:43:18 garuda user.info nw\_manager[881]: IFMNGR: EVENT done CHANGES: for module name: ietf-interfaces

Dec 20 15:43:18 garuda user.info nw\_manager[881]: IFMNGR: EVENT change CHANGES: for module name: ietf-interfaces

Dec 20 15:43:18 garuda user.info nw\_manager[881]: Interface : eth0 Netmask : 255.255.255.0

Dec 20 15:43:18 garuda user.info nw\_manager[881]: IFMNGR: EVENT done CHANGES: for module name: ietf-interfaces

Dec 20 15:43:18 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 15:43:18 garuda daemon.info dhclient: bound to 192.168.4.65 -- renewal in 24 seconds.

Dec 20 15:43:18 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:43:18 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:43:18 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:43:18 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:43:19 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:43:19 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

Dec 20 15:43:19 garuda daemon.info netopeer2-server[852]: Trying to connect via IPv4 to 192.168.4.15:4334.

Dec 20 15:43:19 garuda daemon.info netopeer2-server[852]: getsockopt() error (Connection refused).

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

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

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

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

Dec 20 15:43:20 garuda auth.info sshd[3219]: Accepted password for operator from 192.168.4.15 port 60622 ssh2

Dec 20 15:43:20 garuda authpriv.info sshd[3219]: pam\_unix(sshd:session): session opened for user operator by (uid=0)

**Expected Result : 1. All kind of Subscriptions should be terminated.**

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

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**Terminate\_Netconf Subscription = SUCCESS**

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