

## Juniper.JN0-422.v2023-03-17.q23

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### NEW QUESTION: 1

What are two format distinctions to know when using YAML? (Choose two.)

- A. whit space indentation sensitive
- B. tab indentation allowed
- C. tab indentation not allowed
- D. white space indentation insensitive

Answer: A,C ([LEAVE A REPLY](#))

### NEW QUESTION: 2

Which data serialization is used between RubyEZ and a Junos device?

- A. OpenConfig
- B. XML
- C. automated CLI
- D. SNMP

Answer: A ([LEAVE A REPLY](#))

### NEW QUESTION: 3

What are two message types that compose the message layer of the Juniper NETCONF implementation? (Choose two.)

- A. <rpc-reply>
- B. <lock>
- C. <get>
- D. <rpc>

Answer: A,D ([LEAVE A REPLY](#))

### NEW QUESTION: 4

Drag and drop



The screenshot shows a terminal window titled "Exhibit" with a Juniper Networks logo in the background. The terminal output is as follows:

```
user@router> show configuration system services
ssh {
  root-login allow;
  protocol-version v2;
}
netconf {
  rfc-compliant;
}
```

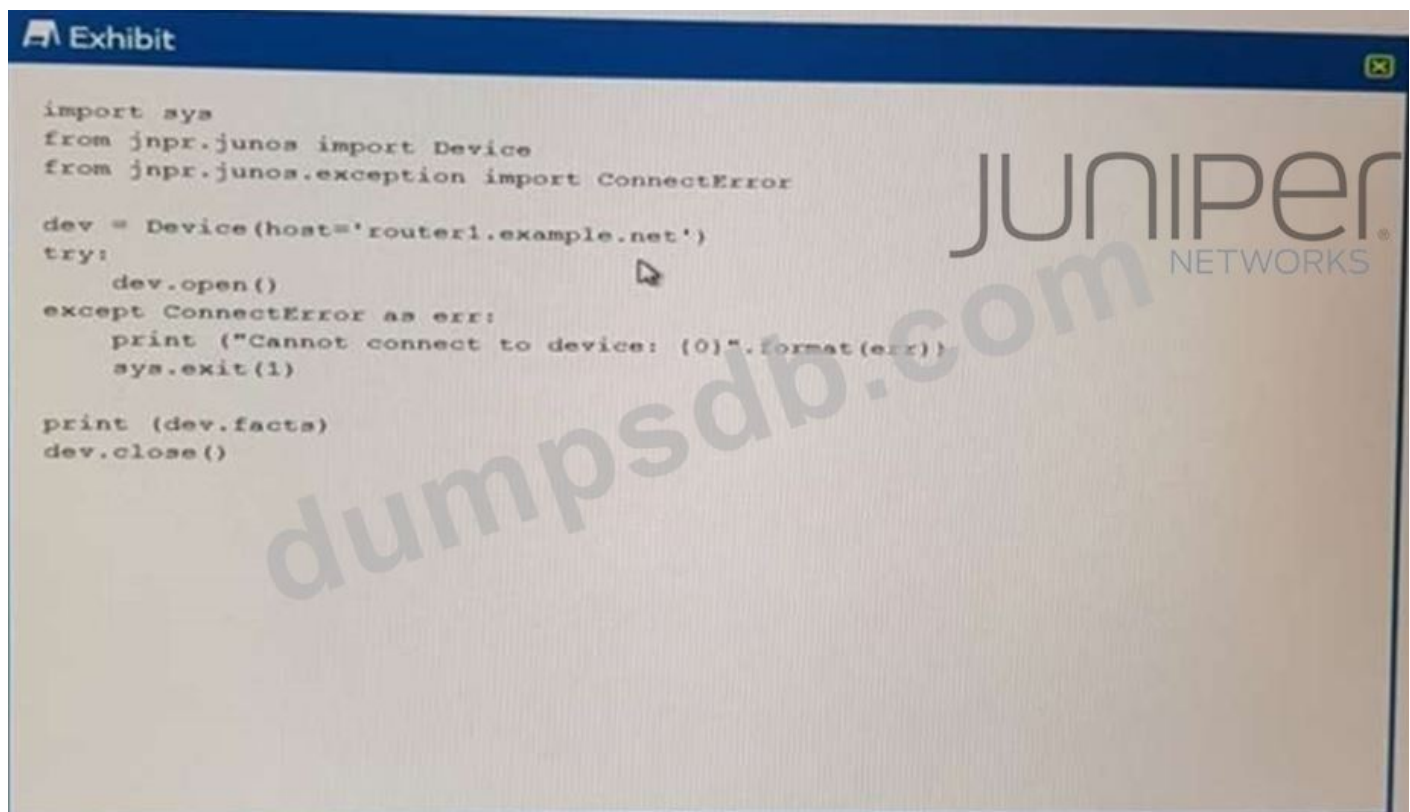
In the Python commit script, which object provides the post-inheritance candidate configuration?

- A. Checkout\_Configuration
- B. Commit-Script-Input
- C. Junos\_ Configuration
- D. Canadidate\_ Configuration

Answer: A ([LEAVE A REPLY](#))

### NEW QUESTION: 5

Click the Exhibit button.



The screenshot shows a terminal window titled "Exhibit" with a Juniper Networks logo in the background. The terminal output is a Python script:

```
import sys
from jnpr.junos import Device
from jnpr.junos.exception import ConnectError

dev = Device(host='router1.example.net')
try:
    dev.open()
except ConnectError as err:
    print ("Cannot connect to device: {}".format(err))
    sys.exit(1)

print (dev.facts)
dev.close()
```

What will executing the program shown in the exhibit retrieve from a Junos device?

- A. the previous configuration changes of the device
- B. the current memory utilization
- C. the FPC inventory of the device
- D. the current software version on the device

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 6**

Click the Exhibit button.

## Python Script:

```
1 from jnpr.junos import Device
2 from jnpr.junos.utils.config import Config
3 from jnpr.junos.exception import *
4 from jinja2 import Template
5 import yaml
6 import sys
7
8
9     with open('vMX-1.yml','r') as fh:
10         data = yaml.load(fh.read())
11
12     with open('test.j2','r') as t_fh:
13         t_format = t_fh.read()
14
15     template = Template(t_format)
16
17     myConfig = template.render(data)
```

vMX-1.yml file:

```
---
intf1: NETWORKS
  name: 'ge-0/0/0'
  unit: 0
  family: inet
  address: 172.17.1.1
  cidr: 24
  bfd_intvl: 500
intf2:
  name: 'ge-0/0/1'
  unit: 0
  family: inet
  address: 172.17.3.1
  cidr: 24
  bfd_intvl: 500
intf3:
  name: 'lo0'
  unit: 0
  family: inet
  address: 192.168.1.1
  cidr: 32
```

test.j2 file:

```
interfaces {
  {{intf1.name}} {
    unit {{intf1.unit}} {
      family {{intf1.family}} {
        address {{intf1.address}}/{{intf1.cidr}};
      }
    }
  }
  {{intf2.name}} {
    unit {{intf2.unit}} {
      family {{intf2.family}} {
```

```
Exhibit
interfaces {
  {{intf1.name}} {
    unit {{intf1.unit}} {
      family {{intf1.family}} {
        address {{intf1.address}}/{{intf1.cidr}};
      }
    }
  }
  {{intf2.name}} {
    unit {{intf2.unit}} {
      family {{intf2.family}} {
        address {{intf2.address}}/{{intf2.cidr}};
      }
    }
  }
  {{intf3.name}} {
    unit {{intf3.unit}} {
      family {{intf3.family}} {
        address {{intf3.address}}/{{intf3.cidr}};
      }
    }
  }
}
routing-options {
  static {
    route 0.0.0.0/0 next-hop 172.25.11.254;
  }
}
```

```
Exhibit
}
routing-options {
  static {
    route 0.0.0.0/0 next-hop 172.25.11.254;
  }
  autonomous-system {{AS}};
}
protocols {
  ospf {
    area {{area}} {
      interface fxp0.0 {
        disable;
      }
      interface {{intf1.name}}.{{intf1.unit}} {
        bfd-liveness-detection {
          minimum-interval {{intf1.bfd_intvl}};
        }
      }
      interface {{intf2.name}}.{{intf2.unit}} {
        bfd-liveness-detection {
          minimum-interval {{intf2.bfd_intvl}};
        }
      }
      interface {{intf3.name}}.{{intf3.unit}};
    }
  }
}
```

Referring to the exhibit, what is the type of the myConfig variable on line 17 of the Python script?

- A. list
- B. template
- C. dictionary
- D. string

Answer: B ([LEAVE A REPLY](#))

**NEW QUESTION: 7**

You need to reset all Junos systems in your lab to their factory-default state and then push a new configuration to the device.

Which two Ansible modules would your playbook use to accomplish this task? (Choose two.)

- A. Junos\_system\_services
- B. Junos\_get\_facts
- C. Junos\_zeroize
- D. Junos\_install\_conf

**Answer: C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 8**

You want to push a configuration onto a Junos device without using NETCONF.

Which two will accomplish this task? (Choose two.)

- A. ZTP
- B. JSNAPy
- C. JET
- D. Ansible

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 9**

You are asked by your manager to automatically switch traffic from the primary link to the backup link on the MX Series device at the branch site whenever latency is above 300 ms over a 5-minute period.

Which type of Junos script would you use in this scenario?

- A. SNMP
- B. Event
- C. Commit
- D. Op

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 10**

Drag and drop

Exhibit

```
import sys

from jnpr.junos import Device

from jnpr.junos.exception import ConnectError

dev = Device(host='VMX-01', user='bob', passwd='1234')

try:

    dev.open()

except <CHANGEME> as err:

    print "Cannot connect to device: {}".format(err)

    sys.exit(1)

print dev.facts

dev.close()
```

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Referring to the exhibit, what should <CHANGEME> be replaced with to correctly print out the exception message Cannot connect to device ?

- A. PermissionError
- B. RpcError
- C. CommitError
- D. ConnectError

Answer: D ([LEAVE A REPLY](#))

#### NEW QUESTION: 11

You want to implement a function that is available in the Junos OS, but not defined in a standard model.

Which statement would you use with YANG to accomplish this task?

- A. deviation
- B. choice
- C. augment
- D. case

Answer: ([SHOW ANSWER](#))

#### NEW QUESTION: 12

Click the Exhibit button.

```
Exhibit
<rpc><lock><target><candidate/></target></lock></rpc>]]>]]
<rpc-reply xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:junos="http://xml.juniper.net/junos/17.1R1/junos">
<rpc-error>
<error-type>protocol</error-type>
<error-tag>lock-denied</error-tag>
<error-severity>error</error-severity>
<error-message>
configuration database locked by:
user02 terminal (pid 8099) on since 2017-08-27 23:05:25 UTC, idle 23:05:27
exclusive
</error-message>
<error-info>
<session-id>8099</session-id>
</error-info>
</rpc-error>
</rpc-reply>
]]>]]>
```

While using NETCONF, the developer attempts to lock the configuration, but the error shown in the exhibit is received. The developer verifies no one else is configuring the device.

According to Juniper, how would you clear the error in this scenario?

- A. Log in with another NETCONF session, reboot the instance, and save the original configuration.
- B. Log in with another NETCONF session and enter the `<rpc><kill-session>< session - id>user02</session-id></kill-session></rpc]]>]]>` command.
- C. Log in with another NETCONF session and enter the `<rpc><close-session>8099</close-session><rpc>]]>]]>` command.
- D. Login with another NETCONF session and enter the `<rpc><kill-session>< session - id>8099</session-id></kill-session></rpc]]>]]>` command.

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 13**

By default, Python event scripts and SNMP script configured on a Junos device execute as which user ?

- A. snmpd
- B. nobody
- C. wheel
- D. root

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 14**

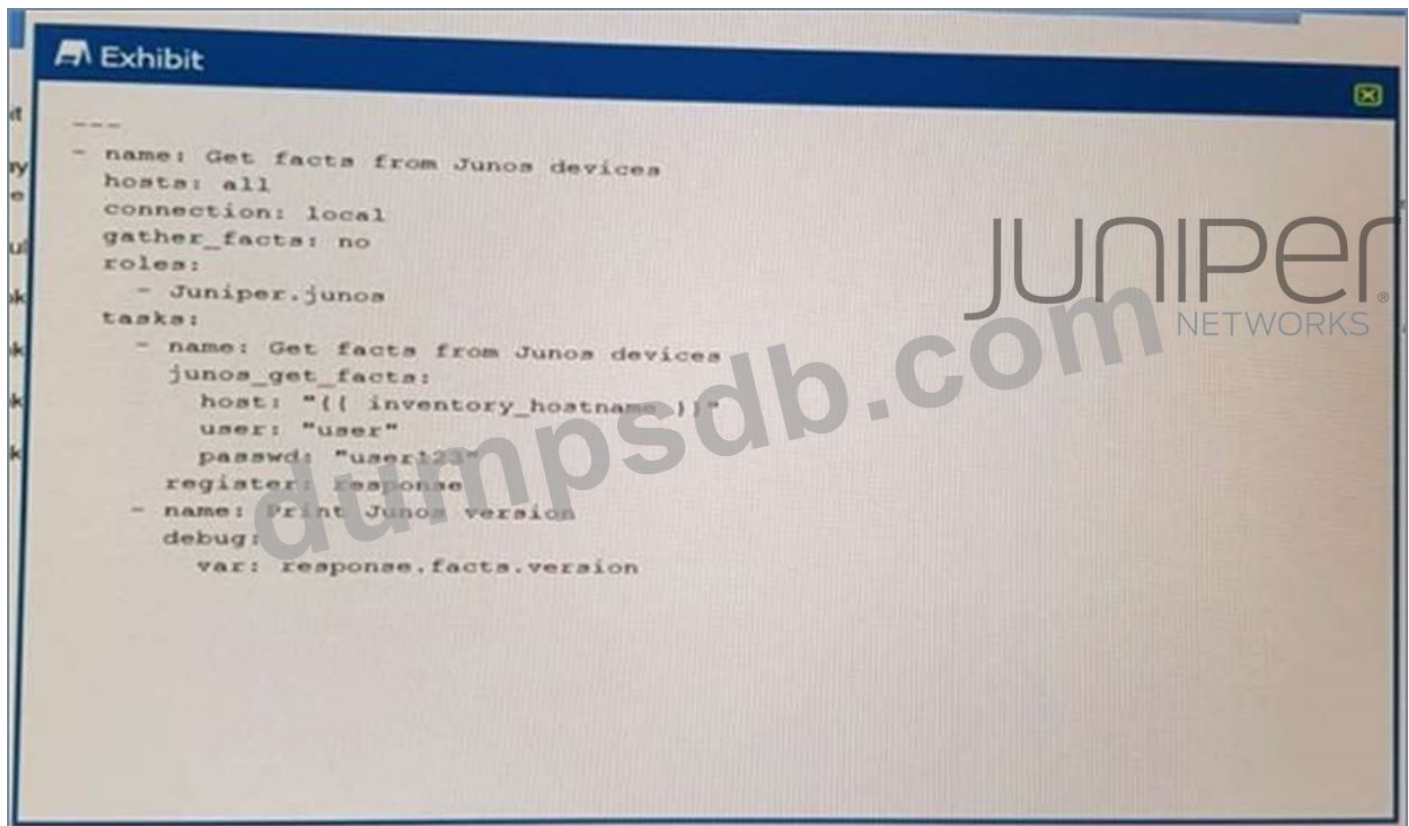
Which pair of daemons in the Junos OS handle automation?

- A. mgd and jsd
- B. mgd and JET
- C. jsd and gRPC
- D. JET and gRPC

Answer: A ([LEAVE A REPLY](#))

### NEW QUESTION: 15

Click the Exhibit button.



```
---
- name: Get facts from Junos devices
  hosts: all
  connection: local
  gather_facts: no
  roles:
    - Juniper.junos
  tasks:
    - name: Get facts from Junos devices
      junos_get_facts:
        host: "{{ inventory_hostname }}"
        user: "user"
        passwd: "user123"
        register: response
    - name: Print Junos version
      debug:
        var: response.facts.version
```

The Ansible playbook shown in the exhibit is executed against a set of Junos network devices.

Each Junos device is configured with a user account in the super-user login class. The user account uses SSH-key-based authentication with a passphrase of user 123.

What is the result of executing this playbook against the Junos network devices?

- A. The playbook executes, but fails with a "connectAuthError" due to the missing passphrase argument to the junos\_get\_facts module.
- B. The playbook executes and prints the version of Junos running on each network device as the value of response.facts.version.
- C. The playbook executes and prints "VARIABLE IS NOT DEFINED!" as the value of response.facts.version.
- D. The playbook fails due to a YAMl. Syntax error.

Answer: B ([LEAVE A REPLY](#))

### NEW QUESTION: 16

Which command is valid for assessing a Junos device using the RESTful API on the default port?

A)

```
curl http://user:pass123@192.168.1.1/rpc/get-interface-information?interface-name=lo0
```

B)

```
curl http://192.168.1.1/rpc/get-interface-information?interface-name=lo0 -u "user:pass123"
```

C)

```
curl -u "user:pass123" http://192.168.1.1:80/rpc/get-interface-information?interface-name=lo0
```

D)

```
curl http://user:pass123@192.168.1.1:3000/rpc/get-interface-information?interface-name=lo0
```

A. Option C

B. Option A

C. Option B

D. Option D

Answer: ([SHOW ANSWER](#))

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**NEW QUESTION: 17**

Click the Exhibit button.



```
>>> response = dev.rpc.get_system_users_information(normalize=True)
>>> print etree.tostring(response, pretty_print=True)
<system-users-information>
  <uptime-information>
    <date-time seconds="1504326166">11:09AM</date-time>
    <up-time seconds="611640">7 days, 1:54</up-time>
    <active-user-count format="3 users">3</active-user-count>
    <load-average-1>0.41</load-average-1>
    <load-average-5>0.38</load-average-5>
    <load-average-15>0.40</load-average-15>
    <user-table>
      <user-entry>
        <user>user</user>
        <tty>pts/0</tty>
        <from>172.29.110.83</from>
        <login-time seconds="1504326166">9:10AM</login-time>
        <idle-time seconds="900">15</idle-time>
        <command>-cli (cli)</command>
      </user-entry>
      <user-entry>
        <user>user</user>
        <tty>pts/1</tty>
        <from>172.29.110.83</from>
        <login-time seconds="1504261667">10:51AM</login-time>
        <idle-time seconds="1020">17</idle-time>
        <command>-cli (cli)</command>
    </user-table>
  </uptime-information>
</system-users-information>
```

```
Exhibit
</load-average-15>0.40</load-average-15>
<user-table>
  <user-entry>
    <user>user</user>
    <tty>pts/0</tty>
    <from>172.29.110.83</from>
    <login-time seconds="1504326166">9:10AM</login-time>
    <idle-time seconds="900">15</idle-time>
    <command>-cli (cli)</command>
  </user-entry>
  <user-entry>
    <user>user</user>
    <tty>pts/1</tty>
    <from>172.29.110.83</from>
    <login-time seconds="1504261667">10:51AM</login-time>
    <idle-time seconds="1020">17</idle-time>
    <command>-cli (cli)</command>
  </user-entry>
  <user-entry>
    <user>user</user>
    <tty>pts/2</tty>
    <from>172.29.110.83</from>
    <login-time seconds="1504029166">10:52AM</login-time>
    <idle-time seconds="1020">17</idle-time>
    <command>-cli (cli)</command>
  </user-entry>
</user-table>
</uptime-information>
</system-users-information>
```

```
Exhibit
<user-entry>
  <user>user</user>
  <tty>pts/0</tty>
  <from>172.29.110.83</from>
  <login-time seconds="1504326166">9:10AM</login-time>
  <idle-time seconds="900">15</idle-time>
  <command>-cli (cli)</command>
</user-entry>
<user-entry>
  <user>user</user>
  <tty>pts/1</tty>
  <from>172.29.110.83</from>
  <login-time seconds="1504261667">10:51AM</login-time>
  <idle-time seconds="1020">17</idle-time>
  <command>-cli (cli)</command>
</user-entry>
<user-entry>
  <user>user</user>
  <tty>pts/2</tty>
  <from>172.29.110.83</from>
  <login-time seconds="1504029166">10:52AM</login-time>
  <idle-time seconds="1020">17</idle-time>
  <command>-cli (cli)</command>
</user-entry>
</user-table>
</uptime-information>
</system-users-information>
```

Referring to the exhibit, which Python statement selects the <user-entry> element for the user logged in on the pts/2 TTY?

A)

```
response.find("./uptime-information/user-table/user-entry@tty='pts/2'")
```

B)

```
response.find("./uptime-information/user-table/[tty='pts/2']/user-entry")
```

C)

```
response.find("../user-entry[tty='pts/2']")
```

D)

```
response.find("./uptime-information/user-table/user-entry/tty='pts/2'")
```

A. Option D

B. Option A

C. Option B

D. Option C

Answer: A ([LEAVE A REPLY](#))

### NEW QUESTION: 18

Which transport protocol must be supported by RFC-compliant NETCONF implementations?

A. Telnet

B. SSH

C. TLS

D. BEEP

Answer: B ([LEAVE A REPLY](#))

### NEW QUESTION: 19

Your organization is creating a custom YANG module. You are asked to create a leaf node called timeout with a data type of duration.

In this scenario, what is the appropriate syntax for this leaf node?

A)

```
timeout leaf (  
  description "timeout duration";  
  typedef duration;  
)
```

B)

```
leaf timeout (  
  description "timeout duration";  
  type duration;  
)
```

C)

```
leaf timeout (  
  description "timeout duration";  
  typedef duration;  
)
```

D)

```
timeout leaf(  
  description "timeout duration";  
  type duration;  
)
```

- A. Option A
- B. Option B
- C. Option D
- D. Option C

Answer: ([SHOW ANSWER](#))

### NEW QUESTION: 20

You are writing a SLAX op script to provide a customized rendition of the show interface output. You want to include a command-line argument named interface and provide it with the default value of fxp0.

A)

```
param $interface = "fxp0";
```

B)

```
argument $interface = "fxp0";
```

C)

```
default $interface = "fxp0";
```

D)

```
$interface = "fxp0";
```

- A. Option D
- B. Option B
- C. Option C
- D. Option A

Answer: B ([LEAVE A REPLY](#))

### NEW QUESTION: 21

Click the Exhibit:

```

}
policy int-down-2 {
  events snmp_trap_link_down;
  attributes-match {
    snmp_trap_link_down.interface-name matches "(^ge-0/0/0$)";
  }
  then {
    ignore;
  }
}
policy int-down-3 {
  events snmp_trap_link_down;
  attributes-match {
    snmp_trap_link_down.interface-name matches "(^ge-0/0/0$)";
  }
  then {
    change-configuration {
      commands {
        "set system host-name int-test-3";
      }
      user-name user;
      commit-options {
        log "int down test policy 3";
      }
    }
  }
}
policy int-down-4 {
  events snmp_trap_link_down;
  attributes-match {
    snmp_trap_link_down.interface-name matches "(^ge-0/0/0$)";
  }
  then {
    event-script hostname.slax;
  }
}

hostname slax event script
version 1.1;
```

```
version 1.1;

ns junos = "http://xml.juniper.net/junos/*/*junos";
ns xnm = "http://xml.juniper.net/xnm/1.1/xnm";
ns jcs = "http://xml.juniper.net/junos/commit-scripts/1.0";

import "../import/junos.xml";

match / {

  <event-script-results> {
    var $hostname-cfg-change = <configuration> {
      <system> {
        <host-name> "int-test-4";
      }
    }
    var $connection = jcs:open();
    var $results := { call jcs:load-configuration ( $connection,
$configuration = $hostname-cfg-change ); }
    if ( $results//xnm:error ) {
      for-each ( $results//xnm:error ) {
        expr jcs:syslog( "daemon.error", "Event script error: ", message );
      }
    }
    expr jcs:close($connection);
  }
}
```

Referring to the exhibit, what will the hostname be if interface ge-0/0/0 goes down?

- A. int-test-2
- B. int-test-4
- C. int-test-1
- D. int-test-3

Answer: A ([LEAVE A REPLY](#))

### NEW QUESTION: 22

Using the RESTful API on Junos device, you are able to retrieve configuration information in which three formats? (choose three.)

- A. JSON
- B. YAML
- C. plain text
- D. GPB
- E. XML

Answer: ([SHOW ANSWER](#))

### NEW QUESTION: 23

What is a valid method for determining the Junos RPC associated with the show version command?

- A)

```
Use the user@router> show version | display xml command.
```

- B)

```
Use the user@router> show version | display json groups command.
```

C)

```
Use the var $rpc-show-version = <rpc> {  
    <command> "show version";  
}  
var $show-version = jcs:execute($connection, $rpc-show-version); commands.
```

D)

```
Use the >>> from jnpr.junos import Device  
>>> router = Device(host='192.168.1.1', user='root', passwd='pass123')  
>>> router.open()  
Device(192.168.1.1)  
>>> router.display_xml_rpc('show version', format='text') commands.
```

A. Option C

B. Option A

C. Option B

D. Option D

Answer: D ([LEAVE A REPLY](#))

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