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**Juniper**

# JN0-422

*Automation and DevOps Specialist (JNCIS-DevOps)*



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### Question: 135

Which two automation frameworks are agentless when managing Junos devices?

- A. Chef
- B. Ansible
- C. Puppet
- D. SaltStack

**Answer: A,B,D**

### Question: 136

With the inclusion of Python in the Junos OS, what is an advantage that this feature provides administrators?

- A. The ability to compile Python scripts on the device.
- B. The ability to execute Python scripts on the device.
- C. It provides compatibility with all Python versions.
- D. It provides the Python command line (REPL) for testing

**Answer: B**

### Question: 137

What are two benefits of network automation? (Choose two )

- A. to enforce consistency in automated devices
- B. increase programming language fluency
- C. to provide historical configuration management
- D. to improve product lifecycle management

**Answer: A,D**

### Question: 138

Which command is used to execute an Ansible playbook?

- A. ansible-vault
- B. ansible
- C. ansible-galaxy
- D. ansible-playbook

**Answer: D**

### Question: 139

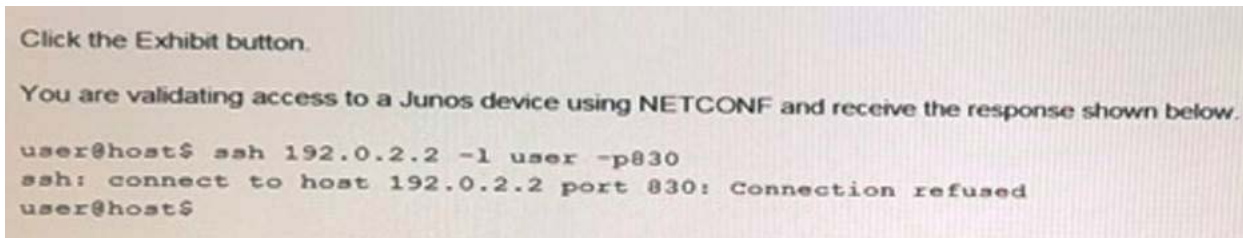
What are two attributes of the jsd JET service process? (Choose two.)

- A. It executes APIs from multiple sessions in parallel
- B. It executes one API request per session.
- C. It creates a separate thread to service JET application requests
- D. It supports only one client session at a time

**Answer: A,C**

**Question: 140**

Exhibit:

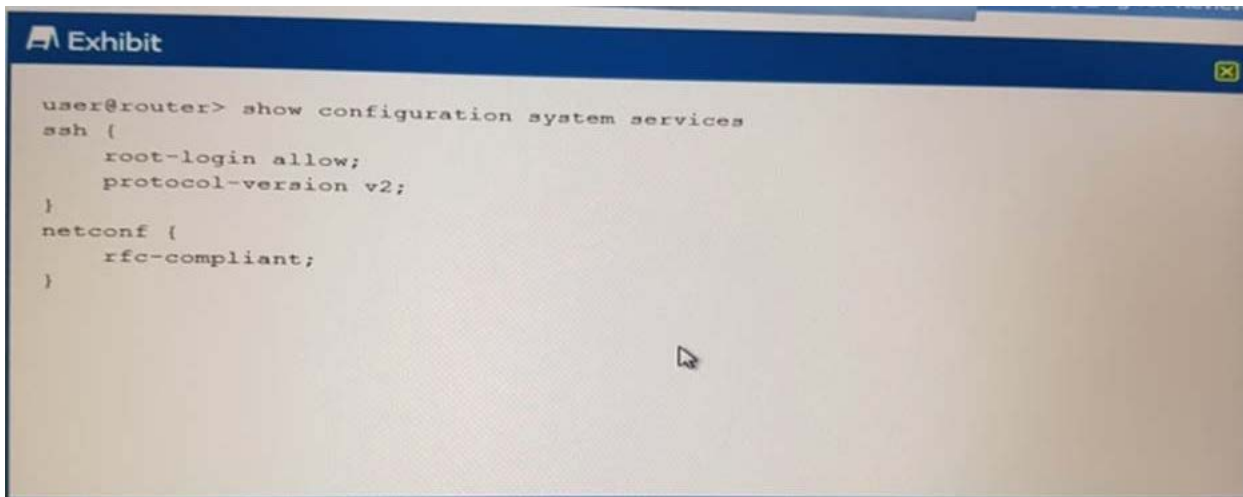


Referring to the exhibit. how would you solve this issue ?

- A. Enable protocol-version v1 under the SSH configuration hierarchy.
- B. Enable ssh under the NETCONF configuration hierarchy.
- C. Enable outbound-ssh with services netconf under the SSH configuration hierarchy.
- D. Enable trace options under the NETCONF configuration hierarchy.

**Answer: C**

**Question: 141**



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

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

**Answer: B**

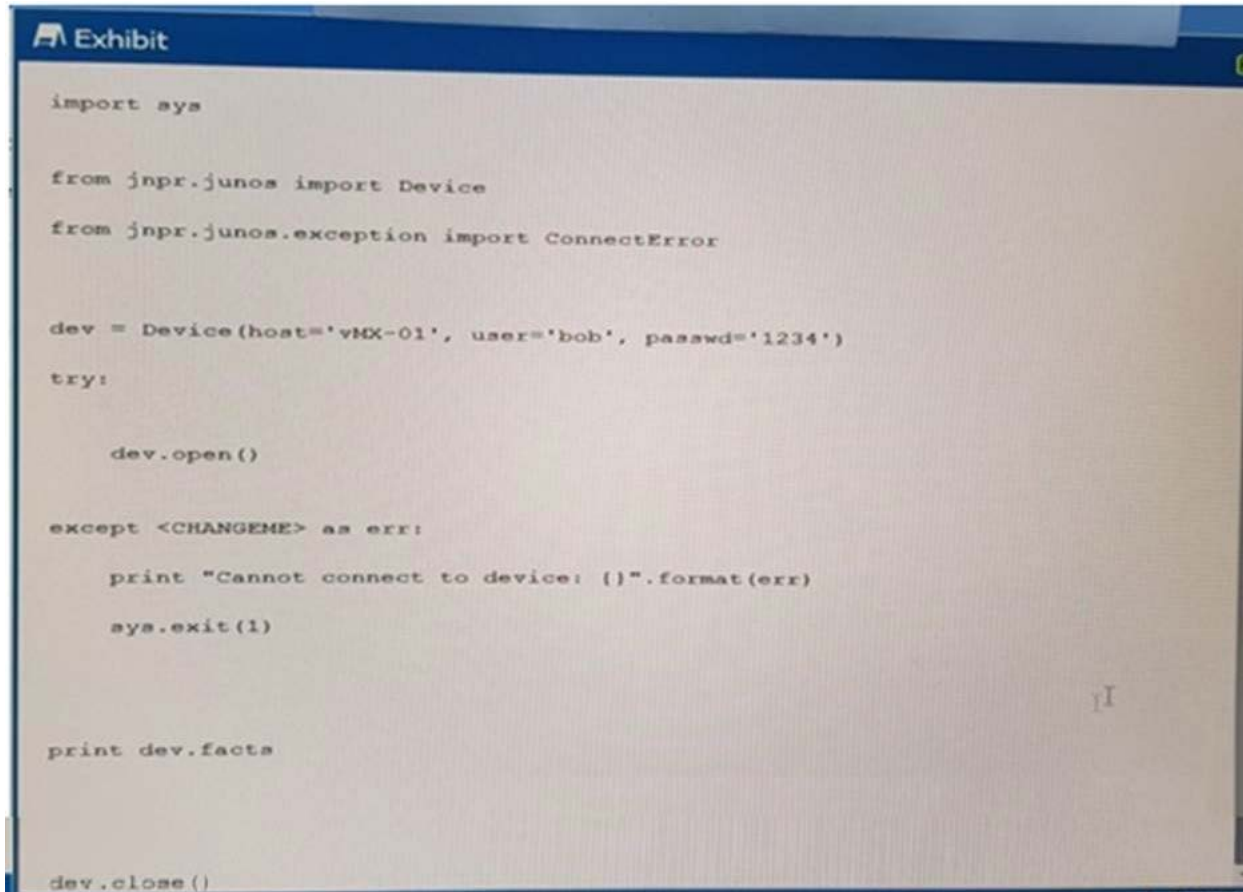
**Question: 142**

Which format does an Ansible playbook use

- A. JSON
- B. YAML
- C. XML
- D. CSV

**Answer: B**

**Question: 143**

The image shows a screenshot of a code editor window titled "Exhibit". The code is written in Python and is intended to connect to a device. It imports the 'sys' module, then imports 'Device' from 'jnpr.junos' and 'ConnectError' from 'jnpr.junos.exception'. A 'Device' object named 'dev' is created with host 'vMX-01', user 'bob', and password '1234'. A 'try' block contains 'dev.open()'. An 'except' block catches an exception of type '<CHANGEME>' and prints a message "Cannot connect to device: {}".format(err) before calling 'sys.exit(1)'. After the 'except' block, 'print dev.facts' is executed. Finally, 'dev.close()' is called at the bottom of the code.

```
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()
```

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. ConnectError
- D. CommitError

**Answer: C**

**Question: 144**

Click the Exhibit:

# 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;

```

# Exhibit

```

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.xsl";

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 ( $results//xnm:error ) {
        expr jcs:sylog( "daemon.error", "Event script error: ", message );
      }
    }
    expr jcs:close($connection);
  }
}

```

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

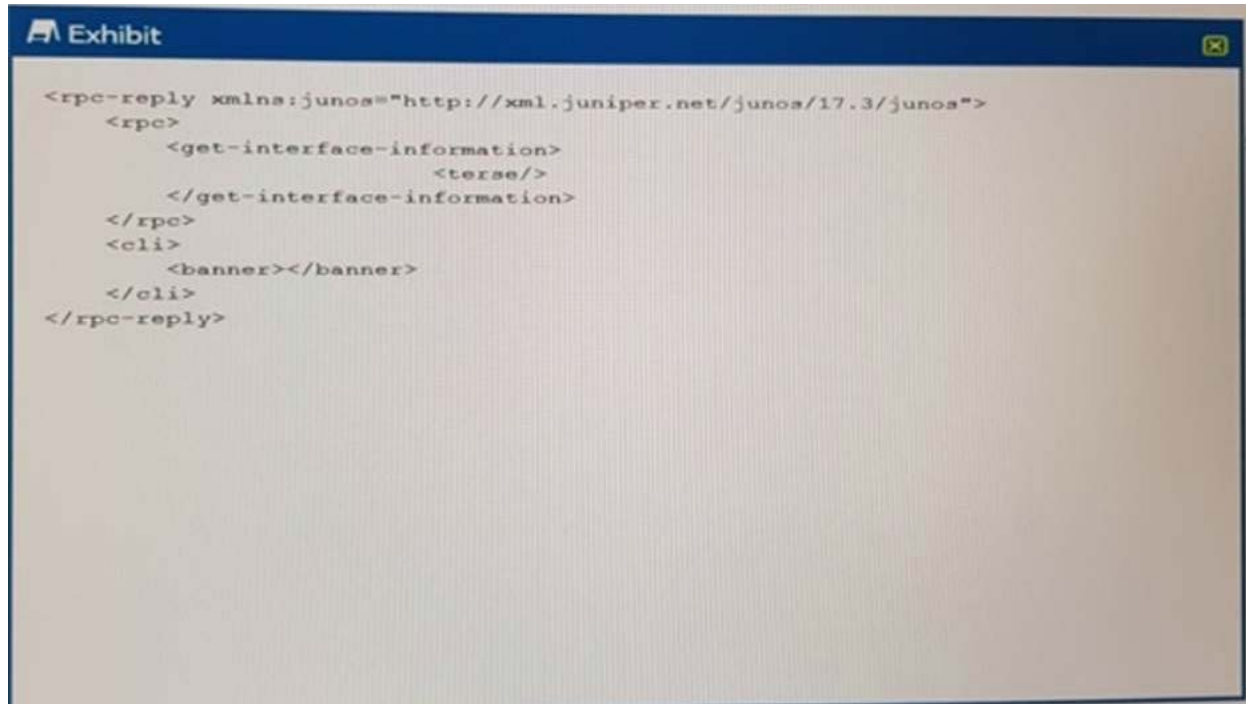


- A. int-test-2
- B. int-test-3
- C. int-test-4
- D. int-test-1

Answer: A

### Question: 145

Click the Exhibit button.



You need to programmatically extract interface information using PYeZ from you MX Series device. You log in and use the show interfaces terse I display xml rpc command and see the information shown in the exhibit.

What is the correct PyEZ syntax to accomplish this task?

A)

```
dev.rpc.get_interface_information()
```

B)

```
dev.rpc.get_interface_information(terse=True)
```

C)

```
dev.rpc.get-interface-information()
```

D)

```
dev.rpc.get-interface-information(terse=True)
```

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

**Answer: B**

### Question: 146

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

- A. SSH
- B. Telnet
- C. TLS
- D. BEEP

**Answer: A**

### Question: 147

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

**Answer: D**

### Question: 148

Which YAML document represents a valid mapping(dictionary) of sequences (lists) ?

A)

```
---
ge-0/0/0:
- "10.0.0.1"
- "192.168.1.1"
ge-0/0/1:
- "172.16.1.2"
- "10.1.2.3"
```

B)

```
---
- ge-0/0/0:
- "10.0.0.1"
- "192.168.1.1"
- ge-0/0/1:
- "172.16.1.2"
- "10.1.2.3"
```

C)

```
---
ge-0/0/0
- "10.0.0.1"
- "192.168.1.1"
ge-0/0/1
- "172.16.1.2"
- "10.1.2.3"
```

D)

```
---
[ge-0/0/0:
- "10.0.0.1"
- "192.168.1.1"
ge-0/0/1:
- "172.16.1.2"
- "10.1.2.3"]
```

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

**Answer: A**

### Question: 149

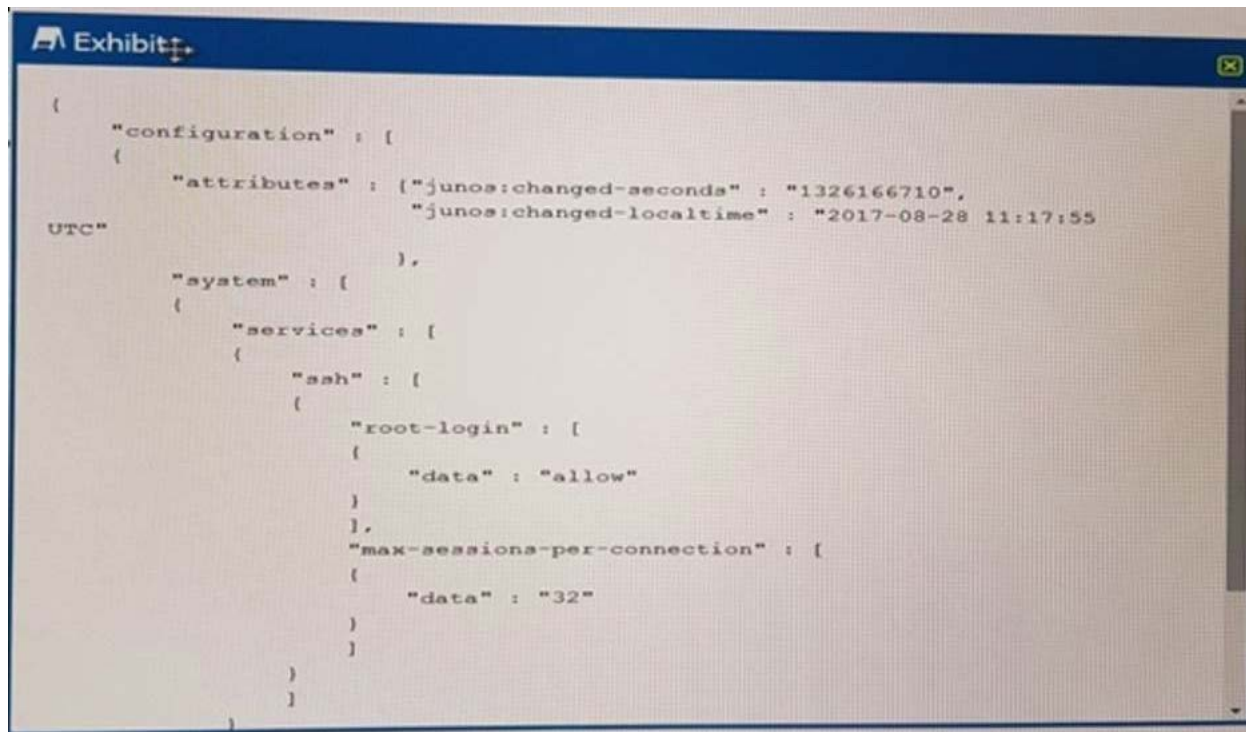
Which two statements are correct about JSON characteristics? (Choose two.)

- A. JSON is programming language independent
- B. JSON uses ## for comments
- C. JSON is a supported template language.
- D. JSON is easy to read for humans and devices.

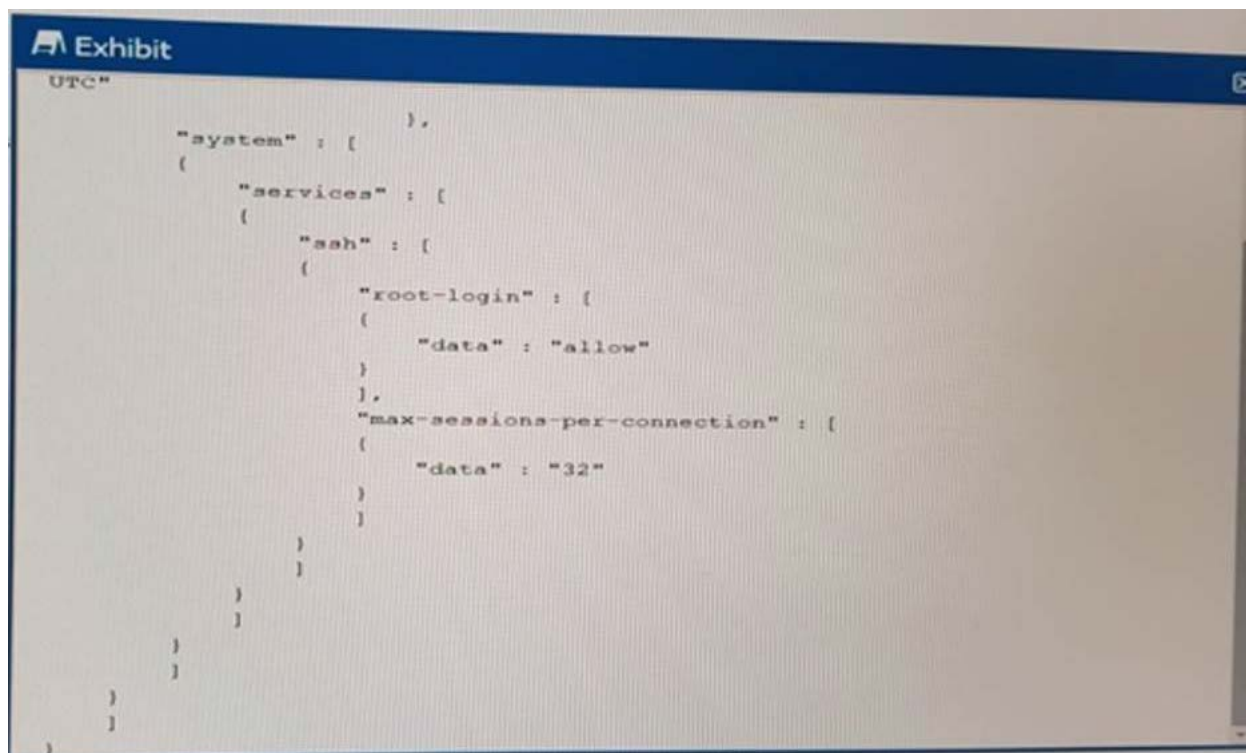
**Answer: A,D**



## Question: 150



```
{
  "configuration" : [
    {
      "attributes" : {"junos:changed-seconds" : "1326166710",
        "junos:changed-localtime" : "2017-08-28 11:17:55
UTC"
      },
      "system" : [
        {
          "services" : [
            {
              "ssh" : [
                {
                  "root-login" : [
                    {
                      "data" : "allow"
                    }
                  ],
                  "max-sessions-per-connection" : [
                    {
                      "data" : "32"
                    }
                  ]
                }
              ]
            }
          ]
        }
      ]
    }
  ]
}
```



```
UTC"
  "system" : [
    {
      "services" : [
        {
          "ssh" : [
            {
              "root-login" : [
                {
                  "data" : "allow"
                }
              ],
              "max-sessions-per-connection" : [
                {
                  "data" : "32"
                }
              ]
            }
          ]
        }
      ]
    }
  ]
}
```

Referring to the exhibit, the configuration components are displayed in which format?

- A. XML
- B. YANG
- C. YAML
- D. JSON

**Answer: D**

**Question: 151**

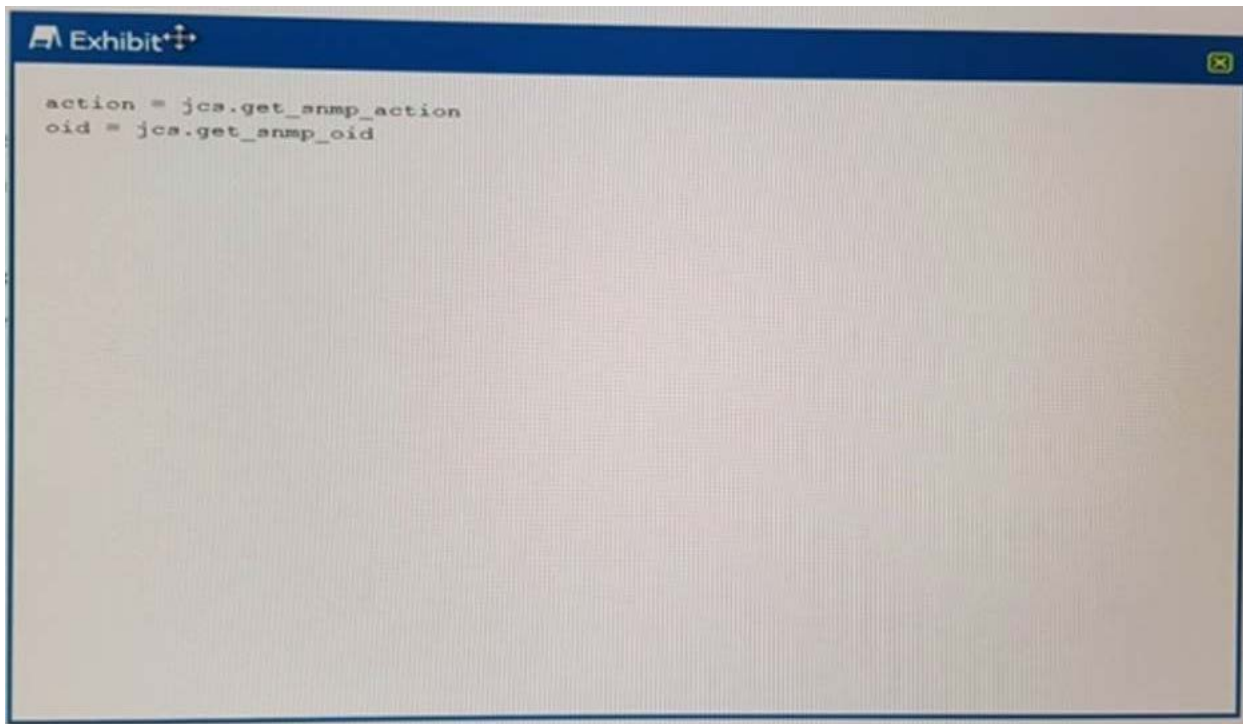
Which statement is true about a Junos ephemeral configuration database?

- A. It can be used to reduce commit time.
- B. It can be used to archive previous versions of the ephemeral configuration.
- C. It can be used to validate configuration data semantics.
- D. It can be used to trigger a commit script.

**Answer: A**

**Question: 152**

Click the Exhibit button.



Where would the Python code shown in the exhibit be used?

- A. a commit script
- B. an op script
- C. an event script
- D. an SNMP script

**Answer: D**

**Question: 153**

What is a purpose of RubyEZ?

- A. to provide a Ruby interface to Juniper devices that support Puppet

- B. to provide an off device interface to Ruby
- C. to provide a Ruby interface to the Junos Space management product
- D. to provide a Ruby framework for interfacing with Juniper devices

**Answer: C**

### **Question: 154**

What is the purpose of an `_init_.py` file ?

- A. An `_init_.py` file sets all magic attributes with the `_init_` prefix with the appropriate default values.
- B. An `_init_.py` file initializes a Python application with default values for instantiated objects.
- C. An `_init_.py` file contains strings for additional directories that the Python interpreter adds to `sys.path []`.
- D. An `_init_.py` file indicates to the Python interpreter that a directory contains Python packages or modules.

**Answer: B**



# SAMPLE QUESTIONS

*These questions are for demo purpose only. **Full version** is up to date and contains actual questions and answers.*

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