Q&A

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Juniper

JN0-422

Automation and DevOps Specialist (JNCIS-DevOps)

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
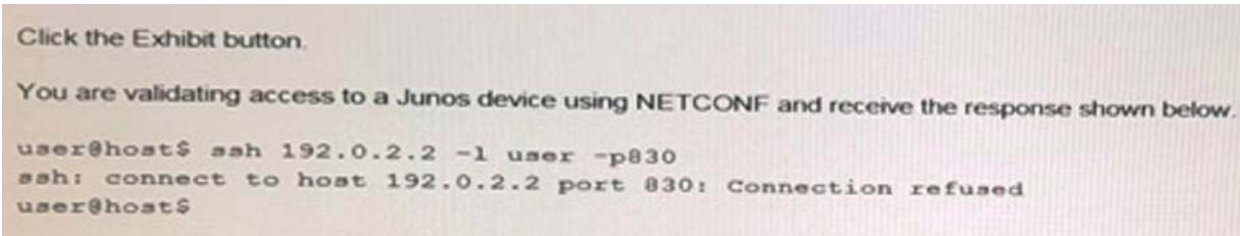D. ansible-playbook

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
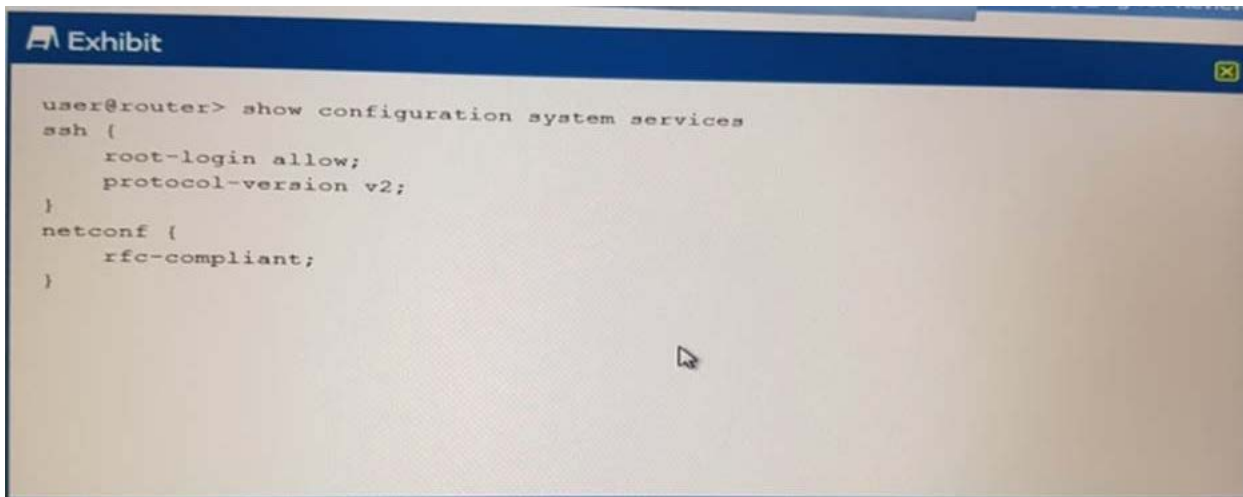
Answer: A,C

Question: 140

Exhibit:

Click the Exhibit button.

You are validating access to a Junos device using NETCONF and receive the response shown below.

```
user@host$ ssh 192.0.2.2 -l user -p830
ssh: connect to host 192.0.2.2 port 830: Connection refused
user@host$
```

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

Exhibit

```
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. Commit-Script-Input
B. Checkout_Configuration
C. Junos_ Configuration
D. Canadidate_ Configuration

Answer: B

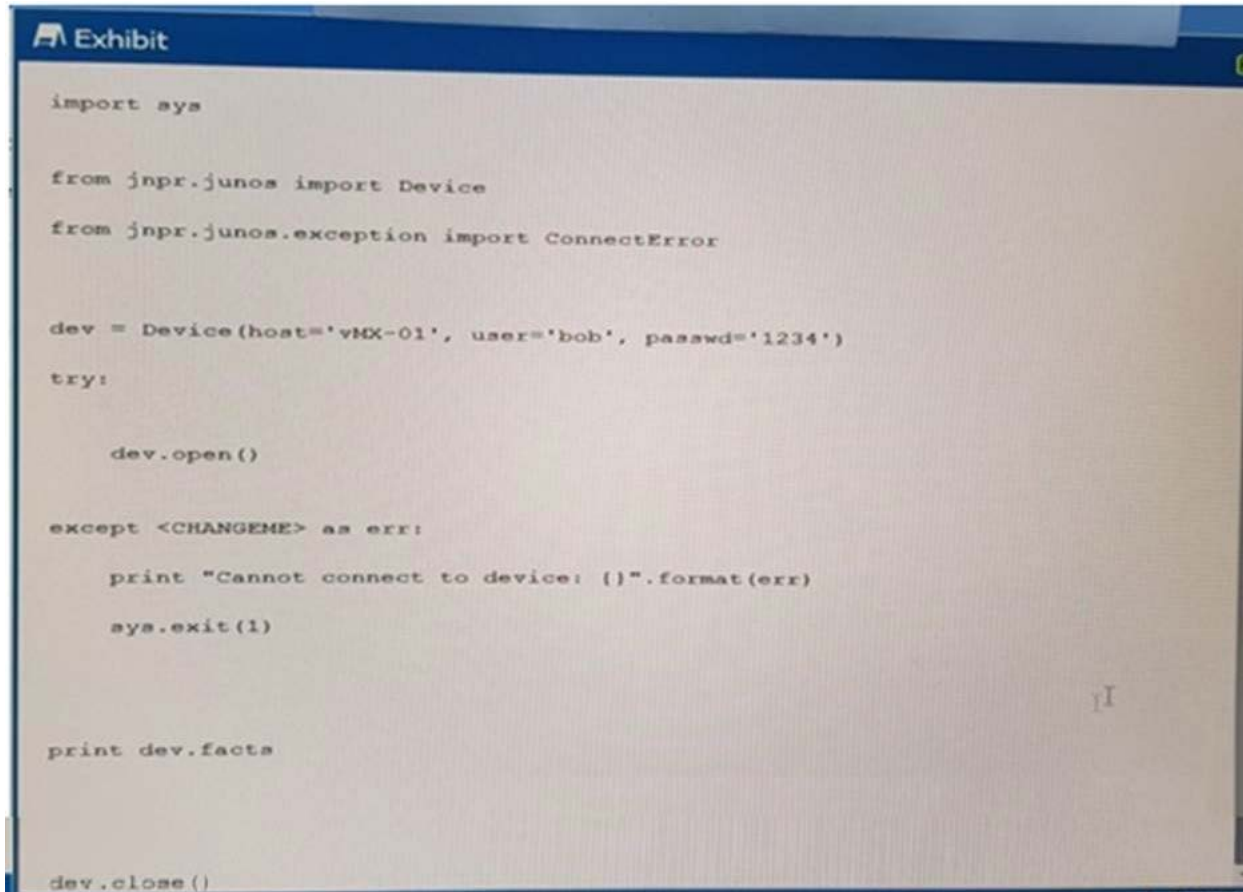**Question: 142**

Which format does an Ansible playbook use

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

Answer: B

Question: 143


```
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()
```

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

A. PeramissionError
B. RpcError
C. ConnectError
D. CommitError

Answer: C

Question: 144

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

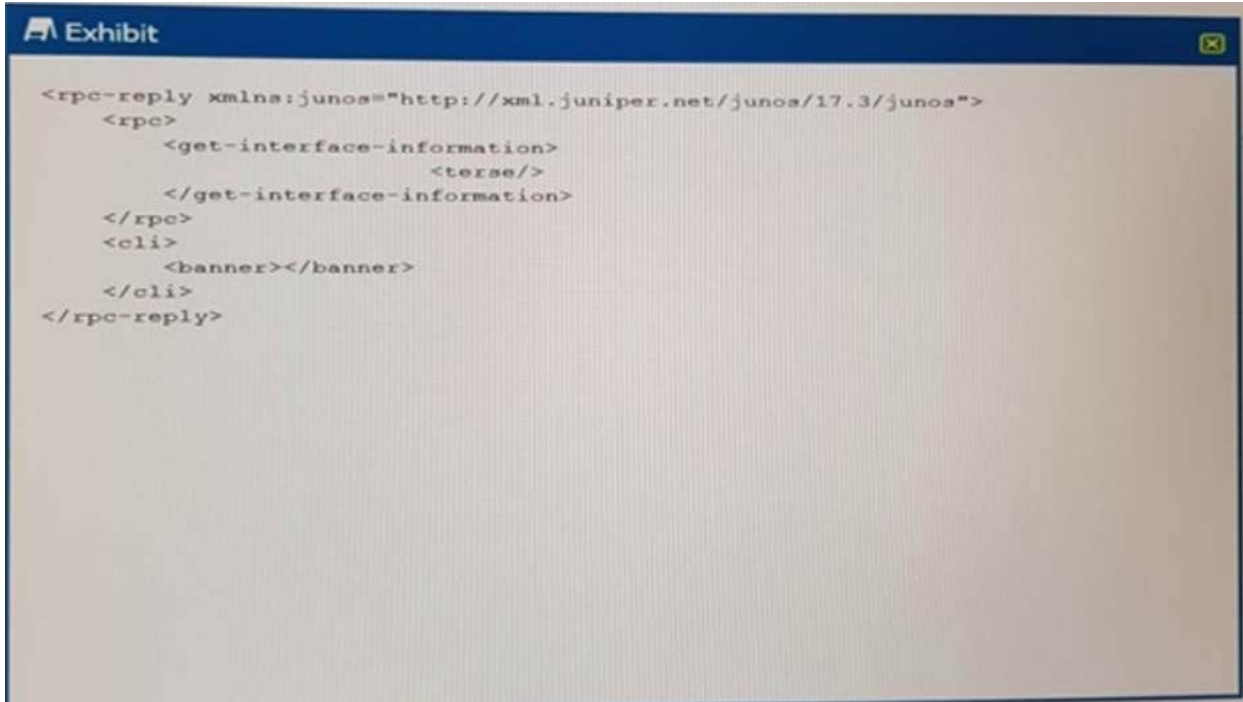Referring to the exhibit, what will he hostname be if interface ge-0/0/0 goes down?

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

Answer: A

Question: 145

Click the Exhibit button.


```
<rpc-reply xmlns:junos="http://xml.juniper.net/junos/17.3/junos">
    <rpc>
        <get-interface-information>
                        <terse/>
        </get-interface-information>
    </rpc>
    <cli>
        <banner></banner>
    </cli>
</rpc-reply>
```

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)

```
O ---
  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)

```
O ---
  - 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)

```
O ---
  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)

```
O ---
  [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
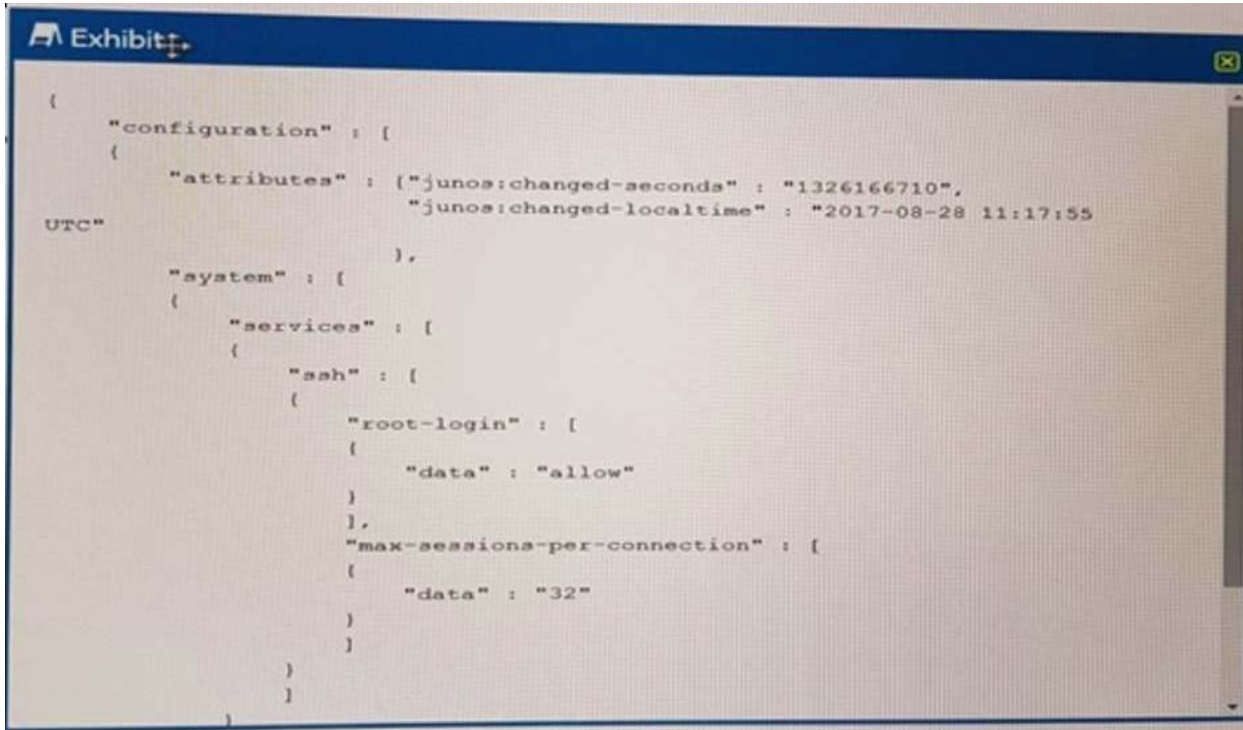C. Option C
D. Option D

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.
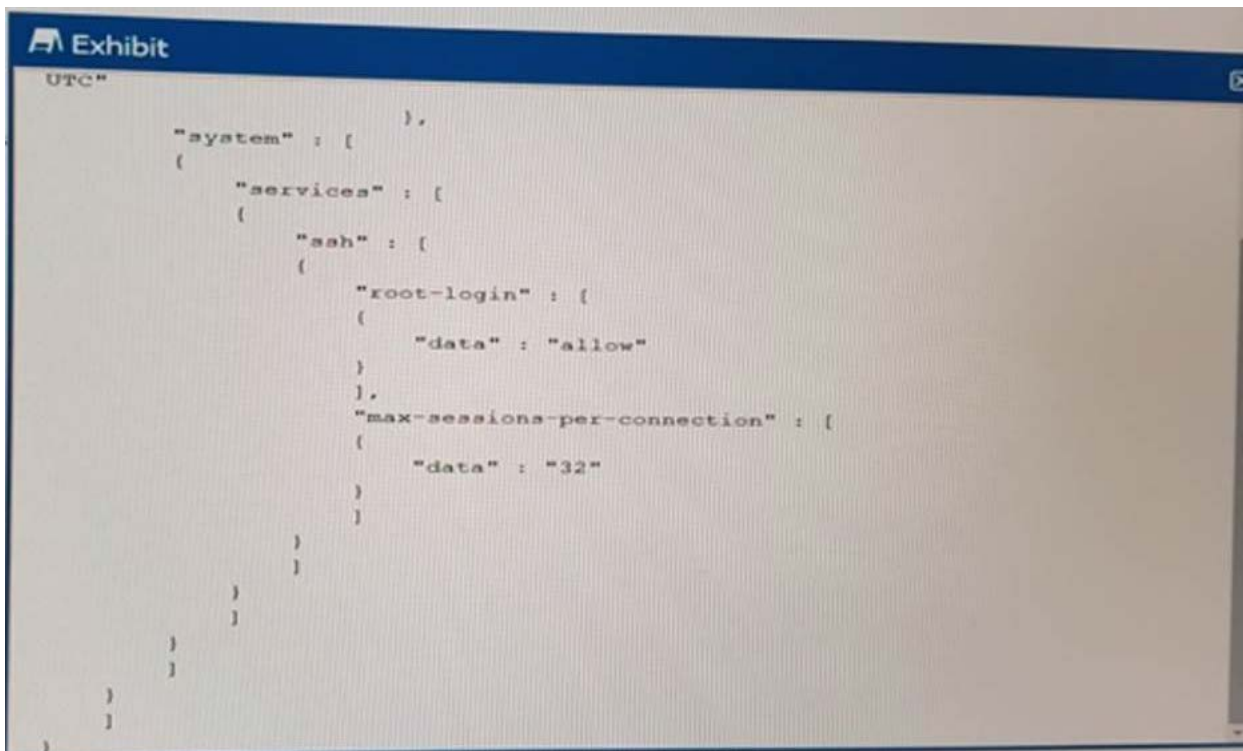
Answer: A,D

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

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.


```
action = jca.get_snmp_action
oid = jca.get_snmp_oid
```
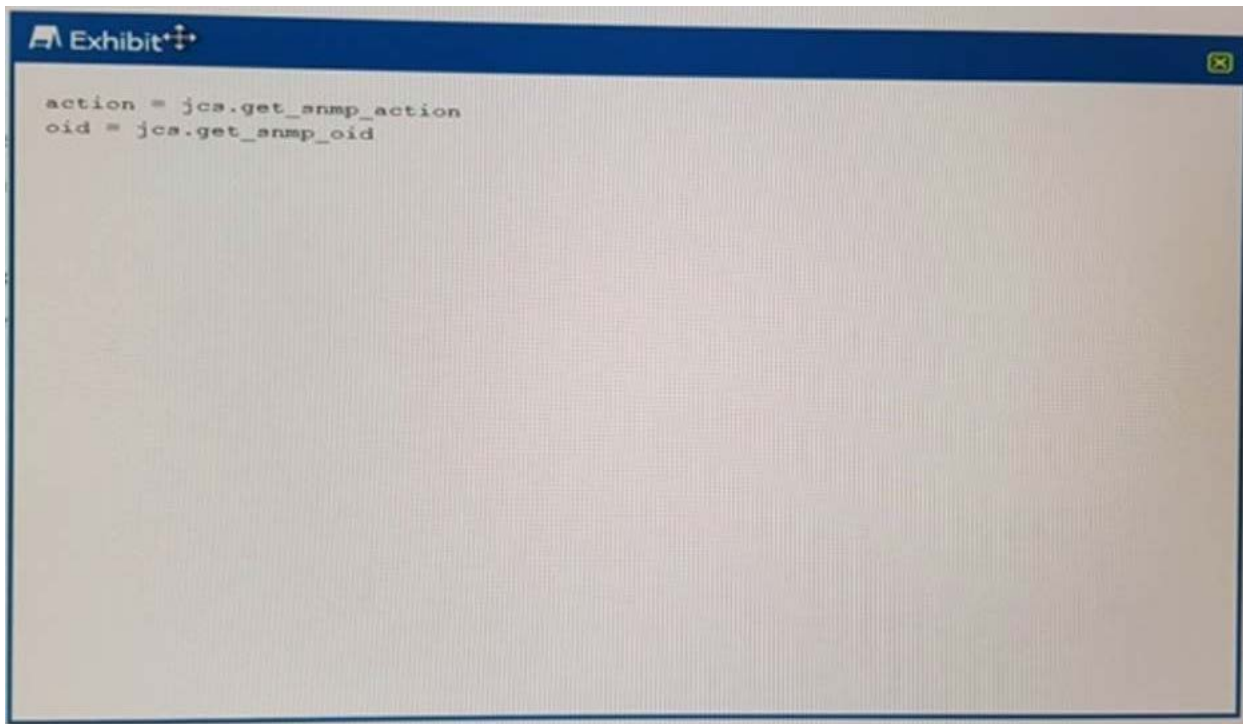
Where would the Python code shown in the exhibit be used?

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 _intit_.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

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