



JN0-221^{Q&As}

Automation and DevOps, Associate

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QUESTION 1

Click the Exhibit button.

```
{ "interface": "ge-0/0/1.0" }
```

Which type of data is contained in the key of the JSON object shown in the exhibit?

- A. string
- B. name
- C. integer
- D. interface

Correct Answer: D

QUESTION 2

Click the Exhibit button.

```
<rpc-reply xmlns:junos="http://xml.juniper.net/junos/20.1R0/junos">
  <software-information>
    <host-name>router</host-name>
    <product-model>mx240</product-model>
    <product-name>mx240</product-name>
    <junos-version>20.1R1.10</junos-version>
    <package-information>
      <name>os-kernel</name>
      <comment>JUNOS OS Kernel 64-bit [20200219.fb120e7_builder_stable_11]</comment>
    </package-information>
    <package-information>
      <name>os-libs</name>
      <comment>JUNOS OS libs [20200219.fb120e7_builder_stable_11]</comment>
    </package-information>
    <package-information>
      <name>os-runtime</name>
      <comment>JUNOS OS runtime [20200219.fb120e7_builder_stable_11]</comment>
    ...
  </software-information>
</rpc-reply>
```

Which command produces the output shown in the exhibit?

- A. user@router> show version | display xml
- B. user@router# show version | display xml
- C. user@router> show version | display json
- D. user@router> show version | display xml rpc

Correct Answer: A



Reference: https://www.juniper.net/documentation/en_US/junos/topics/task/operational/junos-xml-protocolrpcs-and-xml-mapping.html

QUESTION 3

According to the Manifesto for Agile Software Development, what is the highest priority?

- A. continuous attention to technical excellence and good design enhances quality
- B. a well-documented statement of work created before the development cycle begins
- C. on-time software releases based on a quarterly or semi-annual time frame
- D. customer satisfaction obtained through continuous delivery of valuable software

Correct Answer: D

Reference: <https://airfocus.com/glossary/what-is-agile-manifesto/#:~:text=The%20highest%20priority%20is%20to,continuous%2C%20delivery%20of%20valuable%20software>

QUESTION 4

Which two statements about Junos PyEZ RPC(s) are correct? (Choose two.)

- A. PyEZ RPCs return XML data
- B. PyEZ RPCs can be used to view only the interface configuration
- C. PyEZ RPCs can be used to view the active device configuration
- D. PyEZ RPCs return CSV data

Correct Answer: AB

QUESTION 5

Which two statements about Ansible are true? (Choose two.)

- A. Ansible modules only execute a change if required
- B. By default, Ansible core modules use NETCONF to connect to the remote host
- C. By default, Ansible playbooks are executed locally
- D. Ansible uses an agentless architecture

Correct Answer: BD

Reference: https://www.juniper.net/documentation/en_US/junos-ansible/topics/concept/junos-ansibleoverview.html#:~:text=Ansible%20uses%20an%20agentless%20architecture,software%20on%20the%20managed%20nodes.andtext=Thus%20Ansible%20users%20can%20get,of%20Python%20to%20use



%20Ansible

QUESTION 6

Which HTTP status code indicates a response to a successful request?

- A. 302
- B. 400
- C. 500
- D. 200

Correct Answer: D

Reference: https://www.juniper.net/documentation/en_US/junos-space-sdk/13.1/apiref/com.juniper.junos_space.sdk.help/html/reference/Commonbehav.html

QUESTION 7

Click the Exhibit button.



```
---
- name: Retrieve interfaces configuration
  hosts: vMX-1
  roles:
    - Juniper.junos
  connection: local
  gather_facts: no

vars_prompt:
  - name: USERNAME
    prompt: User name
    private: no
  - name: DEVICE_PASSWORD
    prompt: Device password
    private: yes

tasks:
  - name: Retrieve the configuration
    juniper_junos_config:
      user: "{{ USERNAME }}"
      passwd: "{{ DEVICE_PASSWORD }}"
      retrieve: committed
      filter: interfaces
    register: response

  - name: Print the lines in the config
    debug:
      var: response.config_lines
```

Referring to the exhibit, which two statements are correct? (Choose two.)

- A. The configuration will be retrieved in JSON format
- B. The retrieved configuration will be from the Junos active configuration
- C. The retrieved configuration will be from the Junos candidate configuration
- D. The configuration will be retrieved in XML format

Correct Answer: AC

QUESTION 8

Click the Exhibit button.



```
>>> print(hardware_count)
```

```
{'MX960\\': 10, 'SRX300\\': 22, 'QFX5100\\': 4}
```

Referring to the exhibit, what is the correct method to retrieve the value associated only with "MX960"?

- A. hardware_count.keys()
- B. hardware_count.values()
- C. hardware_count[0]
- D. hardware_count["MX960"]

Correct Answer: A

QUESTION 9

Click the Exhibit button.

```
---
- name: "Get Junos OS configuration."
  hosts: junos-all
  roles:
    - Juniper.junos
  connection: local
  gather_facts: no

  tasks:
    - name: "Get configuration"
      juniper_junos_config:
        retrieve: "committed"
        filter: "system/services"
        dest_dir: "{{ playbook_dir }}"
```

Referring to the exhibit, what will be two results of this playbook before saving it to a file? (Choose two.)

- A. to include everything but the system/services
- B. to retrieve the committed configuration
- C. to include only the system/services
- D. to retrieve the candidate configuration

Correct Answer: BC



QUESTION 10

Which Python code block is an example of a context manager?

A. while True: device – Device(host="vmx-1", user="lab", passwd="lab123") ...

B. try: device – Device(host="vmx-1", user="lab", passwd="lab123")

...

except:

print("Unable to connect to the vMX1")

C. with Device(host="vmx-1", user="lab", passwd="lab123") as device: ...

D. for host in ["vmx-1", "vmx-2"]: device – Device(host=host, user="lab", passwd="lab123") ...

Correct Answer: B

Reference: <https://packetpushers.net/using-python-context-managers/>

QUESTION 11

Click the Exhibit button.

```
---
- name: Update JunOS Configuration
  hosts: firewalls
  roles:
    - Juniper.junos
  connection: local
  gather_facts: no
  tasks:
    - name: Checking NETCONF
      wait_for:
        host: "{{ inventory_hostname }}"
        port: 830
        sleep: 30
    - name: Update Config
      juniper_junos_config:
        load: set
        src: "{{ inventory_hostname }}.conf"
        host: "{{ mgmt_ip }}"
        user: "{{ username }}"
        ssh_private_key_file: "{{ playbook_dir }}/{{ rsa_key_name }}"
        timeout: 180
      register: out
```

Referring to the exhibit, what is the function of the register key?

A. to set an input value for the juniper_junos_rpc module



- B. to configure a global setting for the playbook
- C. to define a variable containing the return value from the module
- D. to print a result to standard out

Correct Answer: C

QUESTION 12

What will determine which data serialization format is used for interfacing with a system?

- A. programming language version
- B. the operating system
- C. IDE specifications
- D. the system's API

Correct Answer: A

QUESTION 13

In Python, `my_list = [1, 2, 3]` is an example of which type of operation?

- A. membership
- B. comparison
- C. assignment
- D. bitwise

Correct Answer: A

QUESTION 14

Click the Exhibit button.

```
{  
  "interface" : "ge-1/0/1.0",  
  "address" : "192.168.1.1/24"  
}
```

Referring to the exhibit, this snippet of code would represent which type of data?



- A. JSON object
- B. JSON array
- C. YAML sequence
- D. YAML mapping

Correct Answer: A

Reference: https://www.juniper.net/documentation/en_US/junos-salt/topics/topic-map/junos-saltconfiguration-loading-committing.html

QUESTION 15

Which two Python packages use NETCONF to interact with Junos devices? (Choose two.)

- A. numpy
- B. jsnapy
- C. junos-eznc
- D. pyyaml

Correct Answer: BC

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