

Redhat EX407 Exam

Volume: 76 Questions + 13 Labs

Question: 1

Which command will use servers in a local inventory called invent.local
Choose the correct answer:

- A. ansible servers -m ping
- B. ansible all -m ping
- C. ansible all -m ping -i invent.local
- D. ansible all -m ping -f invent.local

Answer: C

Question: 2

You are taking over for someone while they are away on leave. You need to run a playbook against over 600 servers. When you run the playbook you notice that only 10 servers are worked on at any one time. How would you fix this so that you can have 50 servers worked on at the same time?

Choose the correct answer:

- A. Edit the /etc/ansible/ansible.cfg file and adjust the 'poll_interval' parameter.
- B. Edit the /etc/ansible/hosts file and adjust the 'forks' parameter.
- C. Edit the /etc/ansible/servers file and adjust the 'servers' parameter
- D. Edit the /etc/ansible/ansible.cfg file and adjust the 'forks' parameter.

Answer: D

Explanation:

The forks parameter adjust the parallelism of the ansible commands.

Question: 3

Ansible expects templates to use json format.

Choose the correct answer:

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A. True

B. False

Answer: B

Explanation:

They don't use json format.

Question: 4

A template has a maximum of 10 variables.

Choose the correct answer:

A. True

B. False

Answer: B

Question: 5

Will this command use servers in a local inventory called invent.local?

```
ansible all -m ping -i invent.local
```

Choose the correct answer:

A. True

B. False

Answer: A

Question: 6

Is this the correct format for an ansible ad-hoc command?

```
ansible servers -m ping
```

Choose the correct answer:

A. True

B. False

Answer: A

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Question: 7

A template has a maximum of 10 variables.

Choose the correct answer:

A. True

B. False

Answer: B

Explanation:

The No is much higher.

Question: 8

The command `ansible-galaxy init` wont create the file structure you need for roles.

Choose the correct answer:

A. True

B. False

Answer: B

Explanation:

It will create the correct structure for you.

Question: 9

The correct structure for use with roles has the various portions of the role under a central folder.

e.g if the role is called `apache` then the location of the tasks would be the following:

`apache - tasks - main.yml`

Choose the correct answer:

A. True

B. False

Answer: A

Explanation:

This is the format for the file system used for roles: `project/ |— defaults | |— main.yml |—`

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```
files |— handlers |  └─ main.yml |— meta |  └─ main.yml |— README.md |— tasks |
  └─ main.yml |— templates |— tests |  |— inventory |  └─ test.yml  └─ vars  └─
main.yml
```

Question: 10

Which of these are valid as the first thing in a playbook?

Choose the 2 correct answers:

- A. ---
- B. - tasks: name=
- C. --- # this is a comment
- D. - hosts: local

Answer: AC

Question: 11

You can change the no of forks ansible uses from the /etc/ansible/ansible.cfg file.

Choose the correct answer:

- A. True
- B. False

Answer: A

Explanation:

/etc/ansible/ansible.cfg file is the default location of the configuration file.

Question: 12

The following command can be used to filter facts to pull out the ip address for the target host.

```
ansible local -m setup -a "filter=ansible_default_ipv4"
```

Choose the correct answer:

- A. True
- B. False

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Answer: A

Question: 13

A template can only use 1 variable

Choose the correct answer:

A. True

B. False

Answer: B

Explanation:

You can use multiple variables in templates

Question: 14

The following is allowed in a playbook.

- tasks: yaml: name=yum.

- hosts: local

Choose the correct answer:

A. True

B. False

Answer: B

Explanation:

Order is --- - hosts: local must be first.

Question: 15

If you create your own ansible facts file, it can be executable.

Choose the correct answer:

A. True

B. False

Answer: A

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Ansible tower can be used to manage your ansible systems.
Choose the correct answer:

- A. True
- B. False

Answer: A

Question: 76
There is a 10 user trial available.
Choose the correct answer:

- A. True
- B. False

Answer: A

Lab1. Ad-hoc Ansible Commands (Number One)

Task:

1. Use an ansible ad-hoc command, check the connectivity of your servers.
2. Use an ad-hoc ansible command, find the free space of your servers.
3. Use an ad-hoc ansible command, find out the memory usage of your servers.
4. Do an ls -l on the targets /var/log/messages file.
5. Tail the contents of the targets /var/log/messages file.

Solution:

1. `ansible all -m ping`
2. `ansible all -a "/bin/df -h"`
3. `ansible all -a "/usr/bin/free"`
4. `ansible all -a "ls -l /var/log/messages"`
5. `ansible local -b -a "tail /var/log/messages"`

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Lab2. Ad-Hoc Ansible Commands (Number Two)

Task:

1. Use the ad-hoc command to make sure php is installed.
2. Use the ad-hoc command to make sure that php is installed and is the latest version.
3. Use the ad-hoc command to make sure that httpd is installed.
4. Use the ad-hoc command to remove httpd from the servers.

Solution:

1. `ansible all -b -m yum -a 'name=php state=present'`
2. `ansible all -b -m yum -a 'name=php state=latest'`
3. `ansible all -b -m yum -a 'name=httpd state=latest'`
4. `ansible all -b -m yum -a 'name=httpd state=absent'`

Lab3. Static Inventories

Task:

1. Add a new group to your default ansible host file. call the group [ec2]
2. Add a new host to the new group you created.
3. Add a variable to a new host entry in the /etc/ansible/hosts file. Add the following.
`localhost http_port=80 maxRequestsPerChild=808`
4. Check to see if maxRequestsPerChild is pulled out with an ad-hoc command.
5. Create a local host file and put a target group and then a host into it. Then ping it with an ad-hoc command.

Solution:

1. Edit the /etc/ansible/hosts file. Add a group.
2. Edit the /etc/ansible/hosts file. Add a user under the group you created.
3. Edit the /etc/ansible/hosts file. Find a host. if we add a variable called maxRequestsPerChild to the host it would look like this.
`host1 maxRequestsPerChild=808`
4. `ansible ec2 -m shell -a "echo {{ maxRequestsPerChild }}"`
5. Edit a local file. It could be called anything. Lets call it myhosts. Inside the file it would have a host like the following.
[mygroup]
myusername1.mylabserver.com