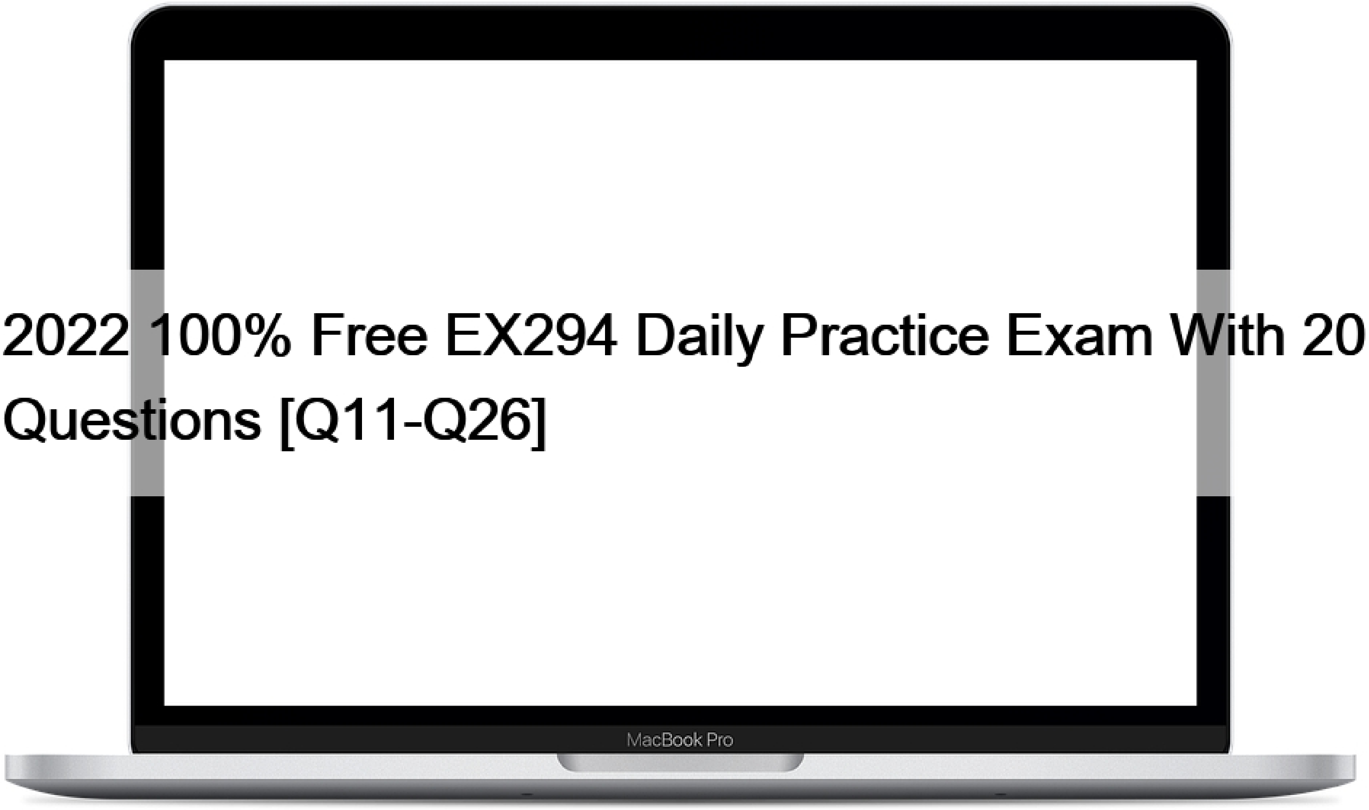
2022 100% Free EX294 Daily Practice Exam With 20 Questions [Q11-Q26


2022 100% Free EX294 Daily Practice Exam With 20 Questions [Q11-Q26]
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EX294 exam torrent RedHat study guide

RedHat EX294 Exam Syllabus Topics:

TopicDetailsTopic 1- Create SSH keys and distribute them to managed nodes- Create and use static invariants to define host groups Topic 2- Install and configure a compatible control unit- Create a static host inventory file- Create a configuration fileTopic 3- Unable to create drama and playbook- Install the required package- Parallel managementTopic 4- Create a simple script- Configure error handling- Working with roles- Download and use roles from Ansible GalaxyTopic 5- Create simple shell scripts that run custom Ansible commands- Administrative work scenarioTopic 6- To protect sensitive data, use Ansible Vault in the user guide- Take advantage of additional enhancementsTopic 7- Create managed managed nodes- Configure privilege escalation on managed nodesTopic 8- Understand and use basic tools- System deployment, configuration and maintenanceTopic 9- Create and configure file systems- User and group management- Security managementTopic 10- Configure local storage- Operating system

Red Hat EX294 Exam Certification Details:

Exam Price$400 USDSchedule ExamPEARSON VUEExam CodeEX294Number of Questions20Exam NameRed Hat Certified Engineer (RHCE)Duration240 minutes

NO.11 Install and configure ansible

User sandy has been created on your control node with the appropriate permissions already, do not change or modify ssh keys. Install the necessary packages to run ansible on the control node. Configure ansible.cfg to be in folder /home/sandy/ansible/ansible.cfg and configure to access remote machines via the sandy user. All roles should be in the path /home/sandy/ansible/roles. The inventory path should be in /home/sandy/ansible/invenlory.

You will have access to 5 nodes.

node1.example.com

node2.example.com

node3.example.com

node4.example.com

node5.example.com

Configure these nodes to be in an inventory file where node I is a member of group dev. nodc2 is a member of group test, node3 is a member of group proxy, nodc4 and node 5 are members of group prod. Also, prod is a member of group webservers.
* In/home/sandy/ansible/ansible.cfg

```
[defaults]

inventory=/home/sandy/ansible/inventory

roles_path=/home/sandy/ansible/roles

remote_user= sandy

host_key_checking=false

[privilegeescalation]

become=true

become_user=root

become_ask_pass=false
```

In /home/sandy/ansible/inventory

```
[dev]

node 1 .example.com
```

```
[test]
node2.example.com
node4.example.com
node5 .example.com
[webservers:children]
prod
```

* In/home/sandy/ansible/ansible.cfg

```
[defaults]
inventory=/home/sandy/ansible/inventory
roles_path=/home/sandy/ansible/roles
remote_user= sandy
host_key_checking=false
[privilegeescalation]
become=true
become_user=root
become_method=sudo
become_ask_pass=false
```

In /home/sandy/ansible/inventory

```
[dev]
node 1 .example.com
[test]
node2.example.com
[proxy]
node3 .example.com
[prod]
node4.example.com
```

node5 .example.com

[webservers:children]

prod

NO.12 Create a playbook that changes the default target on all nodes to multi-user tarqet. Do this in playbook file called target.yml in /home/sandy/ansible

- &#8211; name: change default target

hosts: all

tasks:

&#8211; name: change target

file:

src: /usr/lib/systemd/system/multi-user.target dest: /etc/systemd/system/default.target state: link

- &#8211; name: change default target

hosts: all

&#8211; name: change target

file:

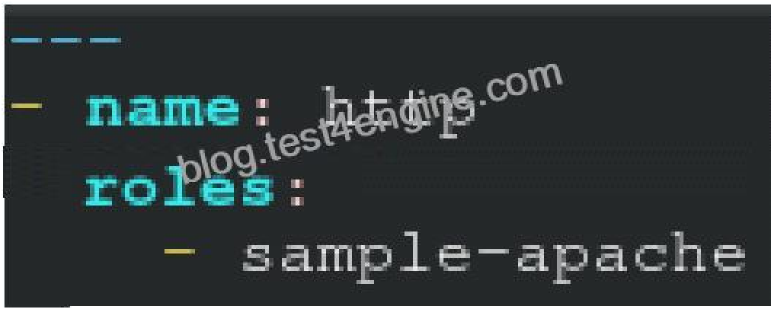
src: /usr/lib/systemd/system/multi-user.target dest: /etc/systemd/system/default.target state: link

NO.13 Create a playbook /home/bob /ansible/motd.yml that runs on all inventory hosts and docs the following: The playbook should replaee any existing content of/etc/motd in the following text. Use ansible facts to display the FQDN of each host On hosts in the dev host group the line should be &#8220;Welcome to Dev Server FQDN&#8221;.

On hosts in the webserver host group the line should be &#8220;Welcome to Apache Server FQDN&#8221;.

On hosts in the database host group the line should be &#8220;Welcome to MySQL Server FQDN&#8221;.

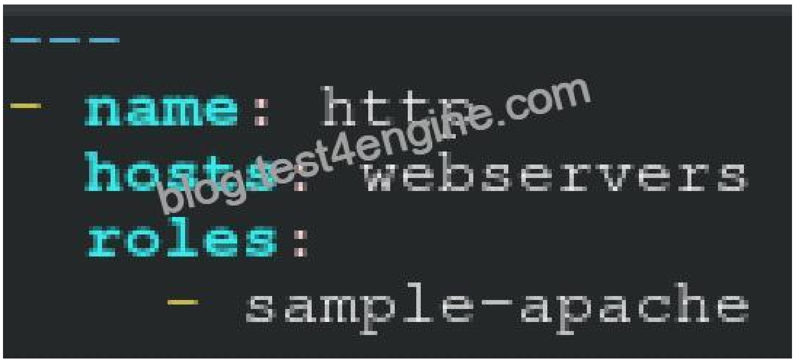
- /home/sandy/ansible/apache.yml



```
---
- name: http
  roles:
    - sample-apache
```

/home/sandy/ansible/roles/sample-apache/tasks/main.yml

* /home/sandy/ansible/apache.yml

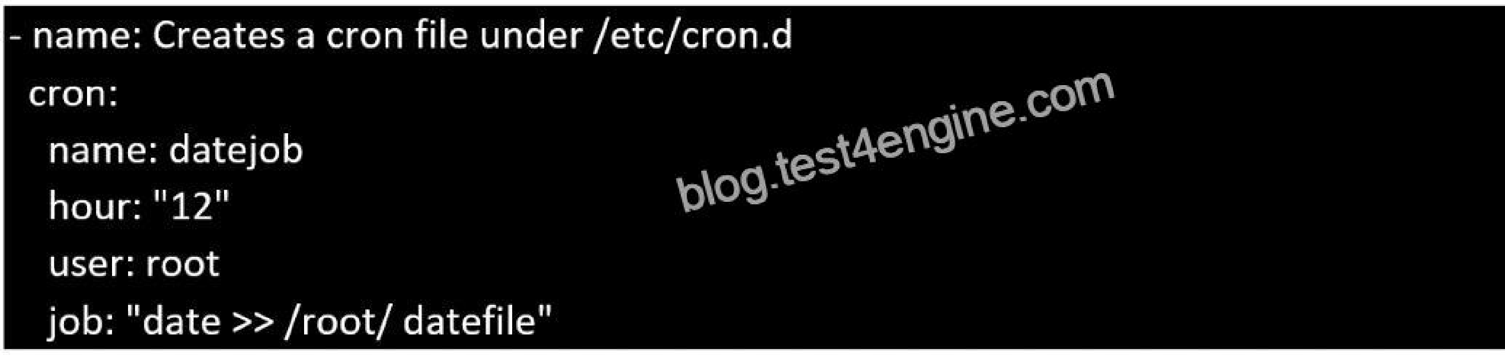


```
---
- name: http
  hosts: webservers
  roles:
    - sample-apache
```

/home/sandy/ansible/roles/sample-apache/tasks/main.yml

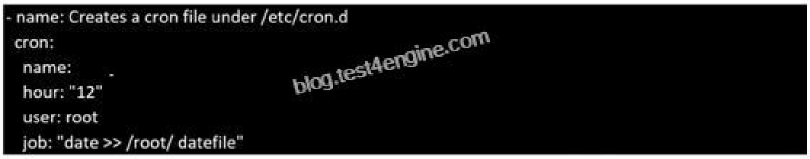
NO.14 Create a playbook called regulartasks.yml which has the system that append the date to /root/datefile every day at noon. Name is job &#8216;datejob&#8217;;

* Solution as:



```
- name: Creates a cron file under /etc/cron.d
  cron:
    name: datejob
    hour: "12"
    user: root
    job: "date >> /root/ datefile"
```

* Solution as:



```
- name: Creates a cron file under /etc/cron.d
  cron:
    name:
    hour: "12"
    user: root
    job: "date >> /root/ datefile"
```

NO.15 Create a file called specs.empty in home/bob/ansible on the local machine as follows:

HOST=

MEMORY=

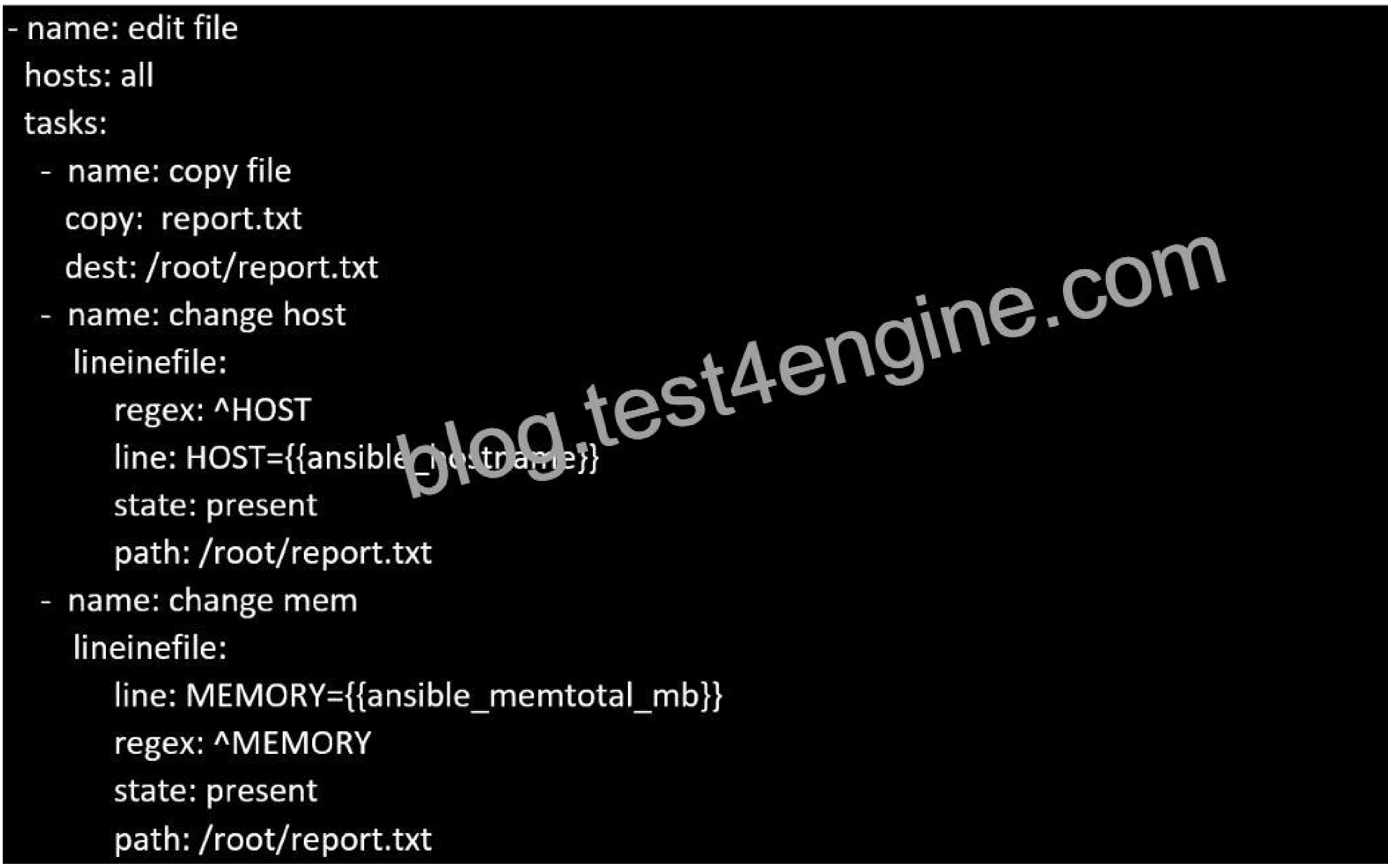
BIOS=

VDA_DISK_SIZE=

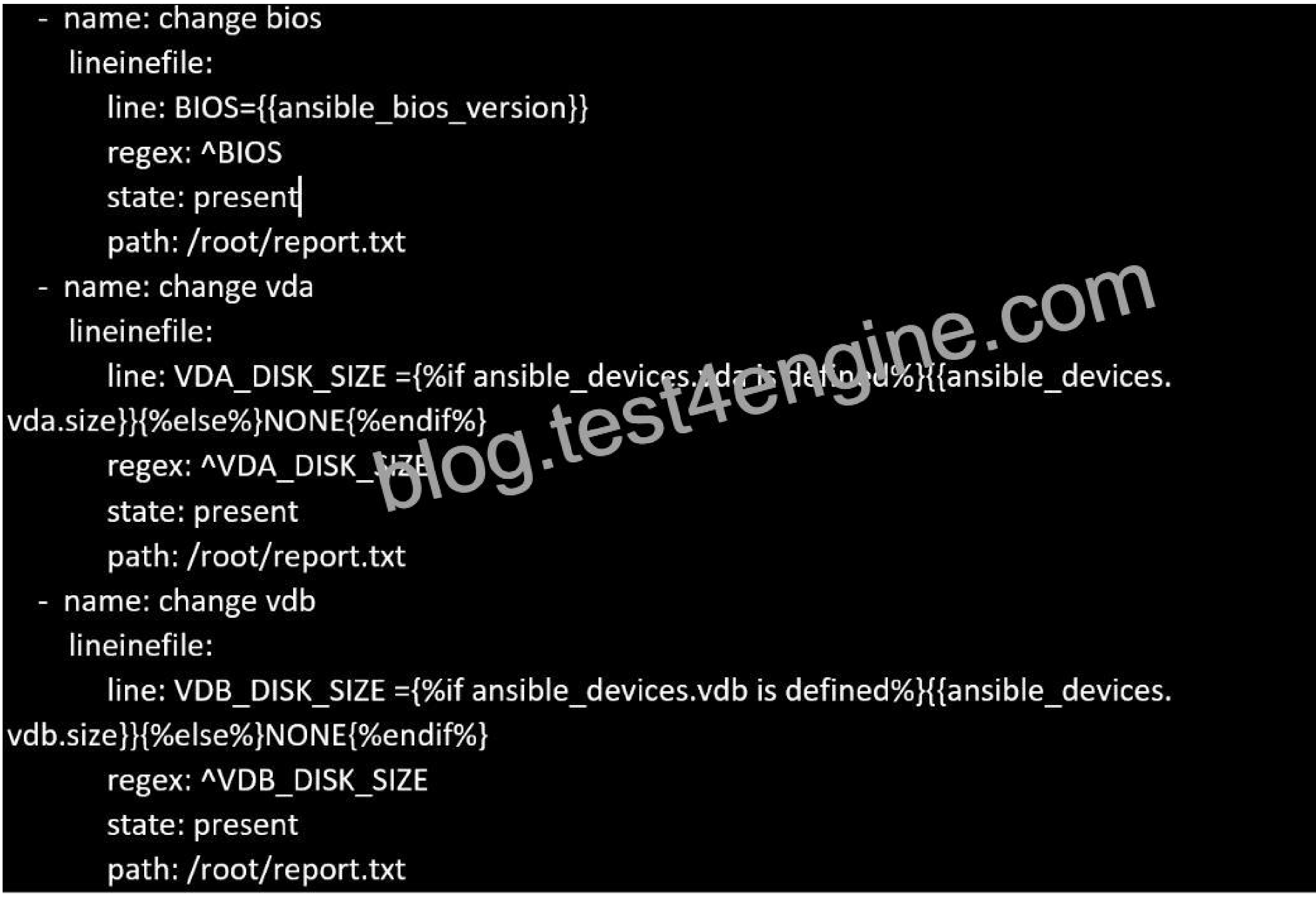
VDB_DISK_SIZE=

Create the playbook /home/bob/ansible/specs.yml which copies specs.empty to all remote nodes&#8217; path /root/specs.txt. Using the specs.yml playbook then edit specs.txt on the remote machines to reflect the appropriate ansible facts.

* Solution as:

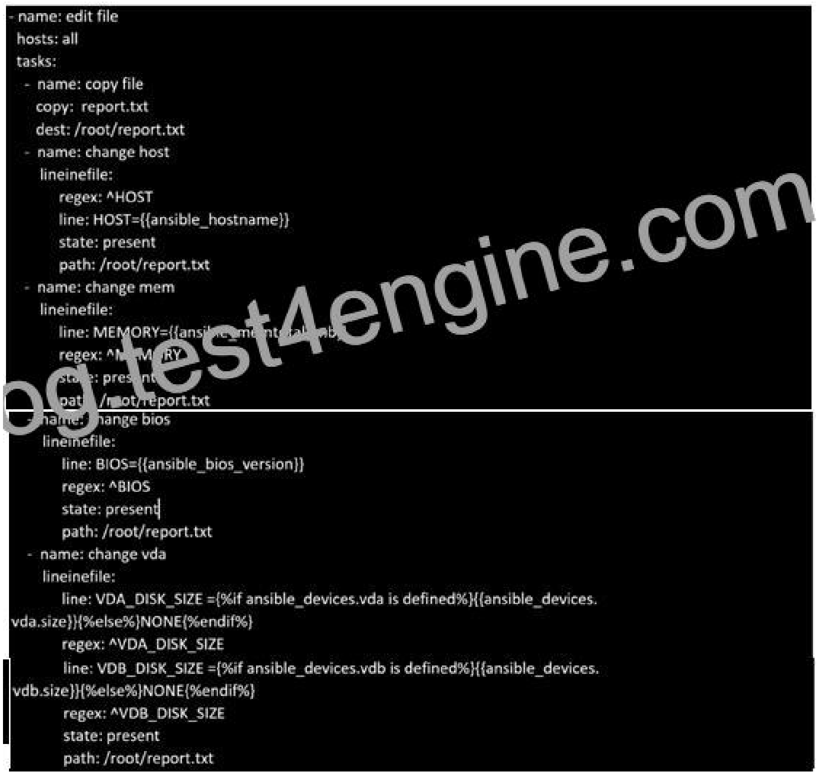


```
- name: edit file
  hosts: all
  tasks:
   -  name: copy file
      copy:  report.txt
      dest: /root/report.txt
   -  name: change host
       lineinefile:
           regex: ^HOST
           line: HOST={{ansible_hostname}}
           state: present
           path: /root/report.txt
   -  name: change mem
       lineinefile:
           line: MEMORY={{ansible_memtotal_mb}}
           regex: ^MEMORY
           state: present
           path: /root/report.txt
```



```
  -  name: change bios
     lineinefile:
         line: BIOS={{ansible_bios_version}}
         regex: ^BIOS
         state: present
         path: /root/report.txt
  -  name: change vda
     lineinefile:
         line: VDA_DISK_SIZE ={%if ansible_devices.vda is defined%}{{ansible_devices.
vda.size}}{%else%}NONE{%endif%}
         regex: ^VDA_DISK_SIZE
         state: present
         path: /root/report.txt
  -  name: change vdb
     lineinefile:
         line: VDB_DISK_SIZE ={%if ansible_devices.vdb is defined%}{{ansible_devices.
vdb.size}}{%else%}NONE{%endif%}
         regex: ^VDB_DISK_SIZE
         state: present
         path: /root/report.txt
```

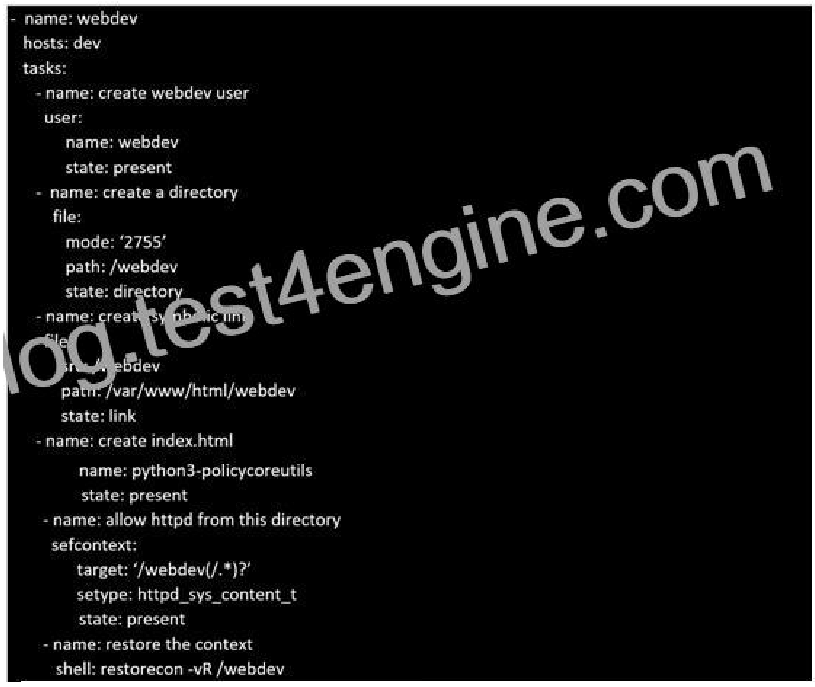
* Solution as:



```
- name: edit file
 hosts: all
 tasks:
  -  name: copy file
    copy:  report.txt
    dest: /root/report.txt
  -  name: change host
     lineinefile:
         regex: ^HOST
         line: HOST={{ansible_hostname}}
         state: present
         path: /root/report.txt
  -  name: change mem
     lineinefile:
         line: MEMORY={{ansible_memtotal_mb}}
         regex: ^MEMORY
         state: present
         path: /root/report.txt
  -  name: change bios
     lineinefile:
         line: BIOS={{ansible_bios_version}}
         regex: ^BIOS
         state: present
         path: /root/report.txt
  -  name: change vda
     lineinefile:
         line: VDA_DISK_SIZE ={%if ansible_devices.vda is defined%}{{ansible_devices.
vda.size}}{%else%}NONE{%endif%}
         regex: ^VDA_DISK_SIZE
         line: VDB_DISK_SIZE ={%if ansible_devices.vdb is defined%}{{ansible_devices.
vdb.size}}{%else%}NONE{%endif%}
         regex: ^VDB_DISK_SIZE
         state: present
         path: /root/report.txt
```

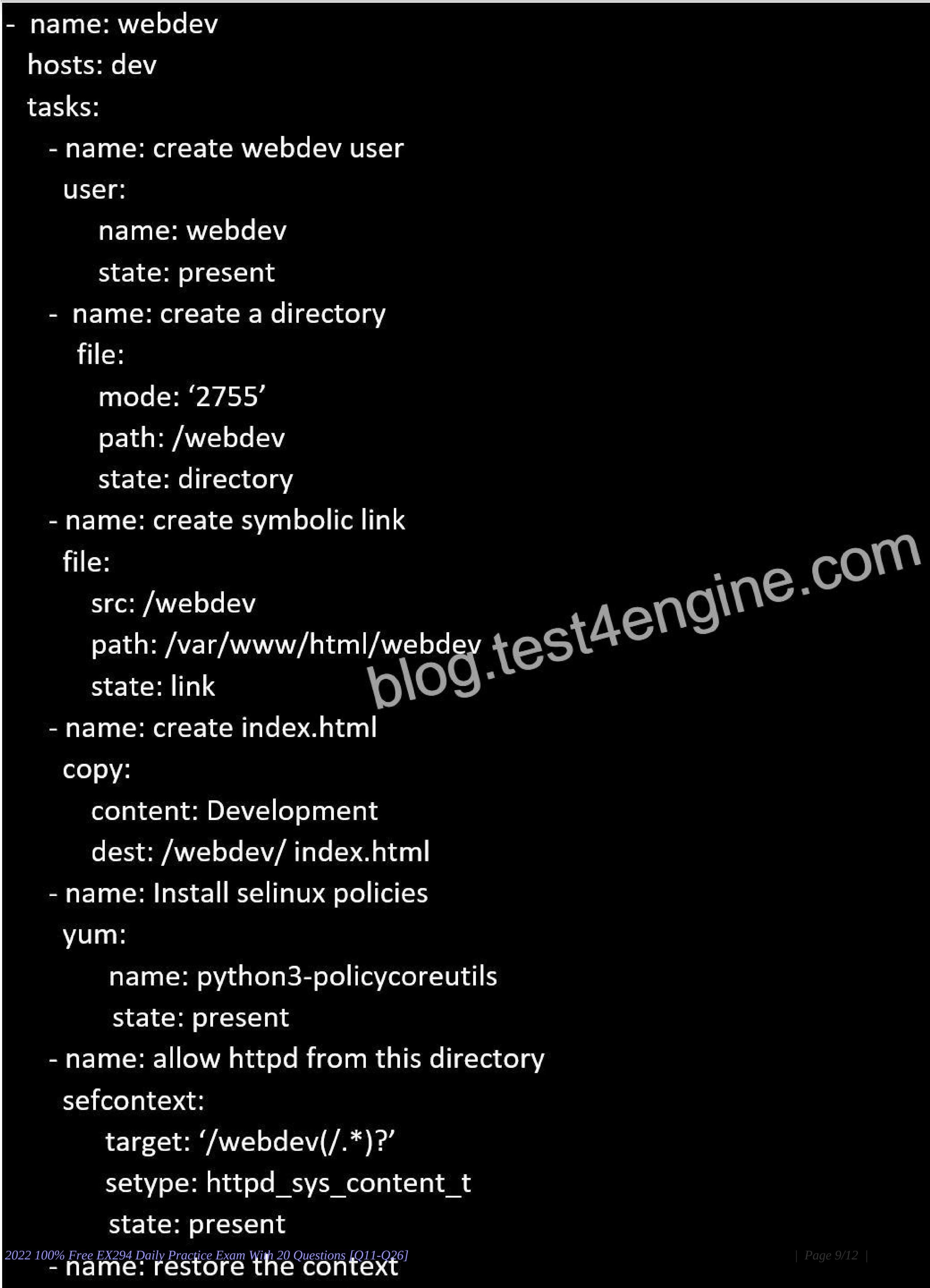
NO.16 Create a playbook called webdev.yml in &#8216;home/sandy/ansible. The playbook will create a directory Avcbdev on dev host. The permission of the directory are 2755 and owner is webdev. Create a symbolic link from /Webdev to /var/www/html/webdev. Serve a file from Avebdev7index.html which displays the text &#8220;Development&#8221; Curl http://node1.example.com/webdev/index.html to test

* Solution as:



```
-  name: webdev
   hosts: dev
   tasks:
     - name: create webdev user
       user:
          name: webdev
          state: present
     -  name: create a directory
        file:
          mode: '2755'
          path: /webdev
          state: directory
     - name: create symbolic link
       file:
          src: /webdev
          path: /var/www/html/webdev
          state: link
     - name: create index.html
            name: python3-policycoreutils
            state: present
      - name: allow httpd from this directory
        sefcontext:
            target: '/webdev(/.*)?'
            setype: httpd_sys_content_t
            state: present
      - name: restore the context
        shell: restorecon -vR /webdev
```

* Solution as:



```
-  name: webdev
   hosts: dev
   tasks:
      - name: create webdev user
        user:
             name: webdev
             state: present
      -  name: create a directory
          file:
             mode: ‘2755’
             path: /webdev
             state: directory
      - name: create symbolic link
        file:
            src: /webdev
            path: /var/www/html/webdev
            state: link
      - name: create index.html
        copy:
            content: Development
            dest: /webdev/ index.html
      - name: Install selinux policies
        yum:
              name: python3-policycoreutils
               state: present
      - name: allow httpd from this directory
        sefcontext:
             target: ‘/webdev(/.*)?’
             setype: httpd_sys_content_t
              state: present
      - name: restore the context
```

NO.17 Create a file called adhoc.sh in /home/sandy/ansible which will use adhoc commands to set up a new repository. The name of the repo will be &#8216;EPEL&#8217; the description &#8216;RHEL8&#8217; the baseurl is &#8216;https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rmp&#8217; there is no gpgcheck, but you should enable the repo.

* You should be able to use an bash script using adhoc commands to enable repos. Depending on your lab setup, you may need to make this repo &#8220;state=absent&#8221; after you pass this task.
* chmod 0117 adhoc.sh

vim adhoc.sh

#I/bin/bash

ansible all -m yum_repository -a &#8216;name=EPEL description=RHEL8

baseurl=https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rmp gpgcheck=no enabled=yes&#8217;
* chmod 0777 adhoc.sh

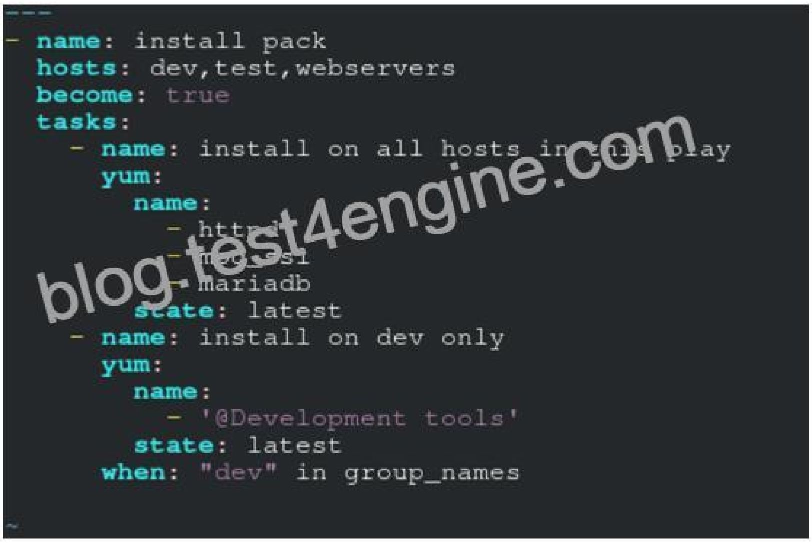
vim adhoc.sh

#I/bin/bash

ansible all -m yum_repository -a &#8216;name=EPEL description=RHEL8

baseurl=https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rmp gpgcheck=no enabled=yes&#8217;

NO.18 Create a file called packages.yml in /home/sandy/ansible to install some packages for the following hosts. On dev, prod and webservers install packages httpd, mod_ssl, and mariadb. On dev only install the development tools package. Also, on dev host update all the packages to the latest.
* Option



```
---
- name: install pack
  hosts: dev,test,webservers
  become: true
  tasks:
    - name: install on all hosts in this play
      yum:
        name:
          - httpd
          - mod_ssl
          - mariadb
        state: latest
    - name: install on dev only
      yum:
        name:
          - '@Development tools'
        state: latest
      when: "dev" in group_names

~
```

** NOTE 1 a more acceptable answer is likely &#8216;present&#8217; since it&#8217;s not asking to install the latest state: present

** NOTE 2 need to update the development node

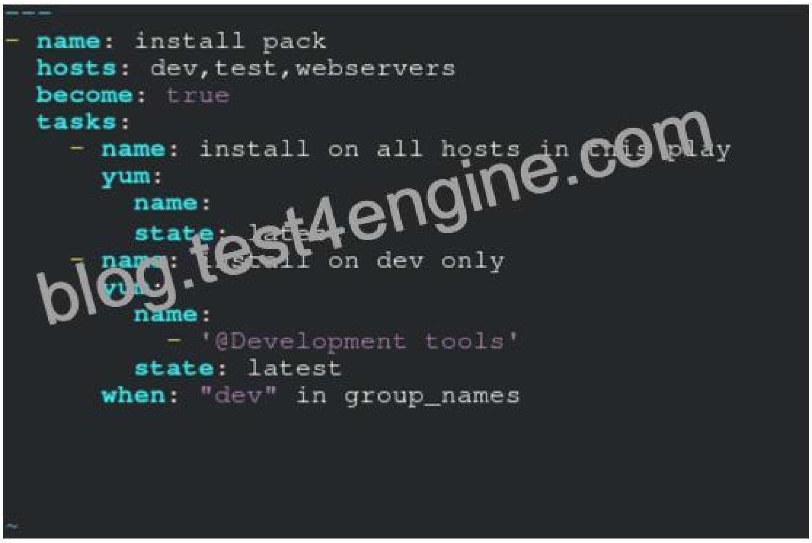
&#8211; name: update all packages on development node

yum:

name: &#8216;*&#8217;

state: latest

* Option



```
---
- name: install pack
  hosts: dev,test,webservers
  become: true
  tasks:
    - name: install on all hosts in this play
      yum:
        name:
        state: latest
    - name: install on dev only
      yum:
        name:
          - '@Development tools'
        state: latest
      when: "dev" in group_names
~
```

** NOTE 1 a more acceptable answer is likely &#8216;present&#8217; since it&#8217;s not asking to install the latest state: present

** NOTE 2 need to update the development node

&#8211; name: update all packages on development node

yum:

name: &#8216;*&#8217;

state: latest

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