



Vendor: Red Hat

Exam Code: EX200

Exam Name: Red Hat Certified System Administrator
(RHCSA) EX200 RHEL 9

Version: DEMO

01. Configure Network Settings

Configure node1 with the following network settings:

Hostname: node1.domain250.example.com
IP address: 172.25.250.100
Subnet mask: 255.255.255.0
Gateway: 172.25.250.254

Solution:

Connect to servera via console for IP modification, then check using the ip addr command.
After confirming no issues, SSH to servera for hostname modification. This way, you can copy the hostname to avoid typos.

```
[root@clear ~] nmcli con show
```

```
[root@clear ~] nmcli con mod 'network configuration name' ipv4.method manual ipv4.addresses 172.25.0.25/24 ipv4.gateway 172.25.0.254 ipv4.dns 172.25.0.254 autoconnect yes
```

```
[root@clear ~] nmcli con up 'network configuration name'
```

```
[root@clear ~] ip a
```

```
[root@clear ~] ssh root@172.25.250.100
```

```
[root@clear ~] hostnamectl set-hostname red.lab0.example.com
```

Verification

```
[root@node1 ~] ip a //Check if the IP is correct
```

```
[root@node1 ~] hostname //Check if the hostname is correct
```

02. Configure your system to use the default repositories.

YUM repositories are available from http://content/rhel9.0/x86_64/dvd/BaseOS and http://content/rhel9.0/x86_64/dvd/AppStream. Configure your system to use these locations as default repositories.

Solution:

```
[root@node1 ~]# vim /etc/yum.repos.d/rhcsa.repo
```

```
[Base]
```

```
name=Base
```

```
baseurl=http://content/rhel9.0/x86_64/dvd/BaseOS
```

```
enabled=1
```

```
gpgcheck=no
```

```
[App]
```

```
name=App
```

```
baseurl=http://content/rhel9.0/x86_64/dvd/AppStream
```

```
enabled=1
```

```
gpgcheck=no
```

Verification

```
[root@node1 ~]# yum repoinfo
```

```
[root@node1 ~]# yum -y install vsftpd
```

03. Debugging SELinux

A web server running on non-standard port 82 encounters issues while serving content. Debug and resolve the problem to meet the following conditions:

- The web server on the system can serve HTML files hosted in /var/www/html (Note: Do not delete or modify existing file contents)
- The web server can serve content on port 82
- The web server can start automatically at system boot

Solution:

Check which package provides the semanage command

```
[root@node1 ~]# yum provides "*/semanage"
```

Install the semanage command

```
[root@node1 ~]# yum -y install policycoreutils-python-utils
```

```
[root@node1 ~]# semanage port -l |grep http
```

```
[root@node1 ~]# semanage port -a -t http_port_t -p tcp 82
```

Alternatively, you can use man semanage port, then search for EXAMPLE.

```
[root@node1 ~]# systemctl restart httpd
```

```
[root@node1 ~]# systemctl enable httpd
```

Verification, seeing the source code indicates correctness (mandatory operation)

```
[root@node1 ~]# curl http://node1.domain250.example.com:82
```

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