

## Exam 3

**Node 1** node1.example.com

### 1. Set network connection

- Add secondary IPv4 address 10.0.0.10/24 for connection enp0s3
- Connection enp0s8 shouldn't start automatically on boot

### 2. User management

- Create user Admin
- Change user Admin password for "secret123"
- Set a welcome message for user Admin – that after switching on user Admin you will see the message "Welcome Admin!"
- Update comment for user Admin with content "Administrator Account RHCSA"
- Set that every newly created user will have in home directory file named notes.txt

### 3. Time configuration

- Set timezone to America/Detroit

### 4. Adjusting boot process

- Set default timeout for grub2 menu to 10 seconds

### 5. Scheduling task

- Schedule job to run command "echo "Test file" > /tmp/newfile.txt" one time at 09:00 pm

### 6. Managing systemd temporary files

- Create configuration in /etc/tmpfiles.d/ named 15sec.conf
- Directory /var/15sec should be created after using systemd-tmpfiles command
- Permissions should be 0755
- Owner and Group for /var/15sec directory should be the root
- Age for files in /var/15sec should be 15 seconds

### 7. Compressing files

- Archive and compress in gzip format directory /etc/
- Archive file should be named config.tar.gz and stored in /root directory

### 8. Managing services

- Mask service firewalld

### 9. Package installation

- Install zsh-5.5.1-6.el8\_1.2.x86\_64.rpm package from /root directory

### 10. Managing SELinux

- Set boolean httpd\_anon\_write for true
- Setting should preserve reboot

### 11. LVM Management

- Umount LV agent-logs from /var/agent-logs and disable from the mount during the boot process
- Remove LV agent-logs
- Remove VG logs
- Remove PV /dev/sdc1

## 12. Disk Management

- Create a new partition on disk /dev/sdb with size 512MiB
- Create filesystem XFS and Label agents
- Create directory /agents
- Mount newly created partition using Label agents to mount point /agents
- Setting should preserve reboot

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**Node 2** node2.example.com

## 1. Firewall Configuration

- Allow traffic for services nfs and http
- Allow traffic for source IP address 192.168.0.50

## 2. Container Management

- Create a container using image docker.io/library/nginx
- Container name should be web
- Copy environments from container and put them to container host directory /var/env.txt

## 3. File Management

- Create hard link named linked to file /root/list
- Hard link should be stored in /root directory

## 4. Script

- Create a bash script named numbers.sh in /root directory
- Script should display "First" when input \$1 is "1"
- Script should display "Second" when input \$1 is "2"
- Script should be executable

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