

RHCSA Sample Exam 2

You may start with the preconfigured RHEL 7 system described in Appendix A. If necessary, make sure that system is currently powered down. As discussed in Appendix A, a current repository of the installation DVD is available from an FTP server configured on the local system. You'll have two and a half hours to complete the following tasks:

1. Install the virtualization software on the local system.
2. Use the `ks2.cfg` file from the `Exams/` subdirectory to create a virtual machine. Modify it as needed to set up a system with hostname `outsider2.example.org` on IPv4 address `192.168.100.101`. (If there's an IP conflict with another host on the network, choose a different address, such as `192.168.100.102`.)
3. Use `ssh` to access the VM, as if it were a remote system. Set the new root password to `changeme!` (note: the current root password is not provided).

The additional steps in this exam should be applied to the `outsider2.example.org` system.

4. Configure a new partition of 500MB in the available empty space of the drive, formatted with the `xfs` filesystem.
5. Mount that filesystem on a new directory named `/cooks`. Make sure that the filesystem is automatically mounted the next time the system is booted. Use the UUID of the new volume.
6. Set up additional swap space in the remaining empty space of the drive.
7. Make sure that the new swap space is automatically mounted the next time the system is booted. Use the UUID of the new volume.
8. Find all the files in the `/etc` directory that contain the word "redhat" and then save their full names in a file named `/root/etc-redhat.txt`.
9. Configure the following users: `linus`, `richard`, `mark`, `bill`. Using ACLs, deny users `bill` and `richard` access to the `/cooks` directory. Allow access to all other users.
10. Set up the automounter and configure it to read the DVD on the `/misc/dvd` directory.

11. Download a different kernel from the Chapter7/ subdirectory of the book's DVD. Install that kernel. Make sure the bootloader default points to the original kernel.
12. Set up the system to boot by default into the multi-user target.
13. Configure a local NTP server on one virtual machine system. Set this NTP server to point to the physical host.
14. Make sure SELinux is set in permissive mode. (You're still responsible for any problems related to SELinux.)
15. Power down the exam system.