Duration: 40 Hrs

EX300

Red Hat Certified Engineer (RHCE) exam

System configuration and management

- Use network teaming or bonding to configure aggregated network links between two Red Hat Enterprise Linux systems
- Configure IPv6 addresses and perform basic IPv6 troubleshooting
- Route IP traffic and create static routes
- Use firewall and associated mechanisms such as rich rules, zones and custom rules, to implement packet filtering and configure network address translation (NAT)
- Configure a system to authenticate using Kerberos
- Configure a system as either an iSCSI target or initiator that persistently mounts an iSCSI target
- Produce and deliver reports on system utilization (processor, memory, disk, and network)
- Use shell scripting to automate system maintenance tasks

Network services

Network services are an important subset of the exam objectives. RHCE candidates should be capable of meeting the following objectives for each of the network services listed below:

- Install the packages needed to provide the service
- Configure SELinux to support the service
- Use SELinux port labeling to allow services to use non-standard ports
- Configure the service to start when the system is booted
- Configure the service for basic operation
- Configure host-based and user-based security for the service

HTTP/HTTPS

- Configure a virtual host
- Configure access restrictions on directories
- Deploy a basic CGI application
- Configure group-managed content
- Configure TLS security

DNS

- Configure a caching-only name server
- Troubleshoot DNS client issues

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NFS

- Provide network shares to specific clients
- Provide network shares suitable for group collaboration
- Use Kerberos to control access to NFS network shares

SMB

- Provide network shares to specific clients
- Provide network shares suitable for group collaboration

SMTP

- Configure a system to forward all email to a central mail server

SSH

- Configure key-based authentication
- Configure additional options described in documentation

NTP

- Synchronize time using other NTP peers

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