

**Red Hat Certified Specialist in Services  
Management and Automation**



# Online Course



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## Course Modules

### 1. Manage Network Services

- Configure network clients to use either a dynamically
- Work with both IPv4 and IPv6

### 2. Manage Firewall Services

- System firewalls to allow access to specific services or ports
- System firewalls to allow / deny access from only specific ntwk

### 3. Manage SELinux

- Configure SELinux booleans for a given service
- Configure a file or directory's SELinux context

### 4. Manage system processes

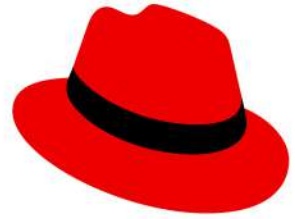
- Configure system processes to start on boot
- Prevent a system process from starting

### 5. Manage Link Aggregation

- Create Network team interface consist of 2 network interfaces
- Make a network team interface persistent across boots
- Assign a network address to a network team interface
- Configure a teamd runner



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## 6. Manage DNS

- Configure a caching nameserver
- Configure an authoritative nameserver
- Config forward & reverse lookups for both IPv4 & IPv6 adrs

## 7. Manage DHCP

- Configure address assignment within a specified address range
- Configure a specific address assignment to a designated host
- Configure address assignments for both IPv4 and IPv6

## 8. Manage printers

- Create and manage a printer queue for a network printer
- Manage existing printer queues

## 9. Manage Email services

- Email server to forward email to an outbound mail relay
- Use mail clients to read or send email

## 10. Manage a MariaDB database server

- Install and configure a basic MariaDB service
- Restrict access to a MariaDB server to specific network adrs
- Create a MariaDB database
- Manage MariaDB database users and access rights
- Add records to an existing MariaDB database
- Issue simple SQL queries against a MariaDB database



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## 11. Manage HTTPD web access

- Install and configure Apache
- Install and configure NGINX
- Configure an alternate document root
- Configure an alternate web access port
- Configure name-based virtual hosts
- Configure a secure web server (HTTPS)
- Provide a static cache to speed up HTTP response time
- Configure an HTTP HAProxy load balancer
- Terminate HTTPS Connections

## 12. Manage iSCSI

- Provide and configure iSCSI targets
- Config iSCSI initiators to connect persistently to iSCSI targets
- Restrict access to iSCSI services to specific clients & networks

## 13. Manage NFS

- Configure persistent NFS exports
- Configure an NFS client to mount an NFS export persistently
- Restrict access to NFS exports to specific clients and networks

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## 14. Manage SMB

- Configure SMB shares
- Create and manage SMB users
- Create SMB only users
- Restrict access to SMB shares
- Mount a SMB share
- Perform a multiuser SMB mount

## 15. Use Ansible to Configure Standard Services

- Create and modify playbooks
- Understand and utilize inventory files
- Use variables in playbooks
- Work with RHEL System Roles

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