**CAP.3 - Basic File Management**

Common types of file in Linux

Compress and uncompress files

Archive and compress files and directories

Edit files with the vim editor

Create, list, display, copy, move, rename, and remove files and directories

Create file and directory links

Identify differences between copying and linking

*RHCSA Objectives:*

06. Archive, compress, unpack, and uncompress files

using tar, star, gzip, and bzip2

07. Create and edit text files

08. Create, delete, copy, and move files and directories

09. Create hard and soft links

**CAP.4 - Advanced File Management**

Understand ugo/rwx access permissions on files and directories

Know symbolic and octal notations of permission allocation

Modify permissions for file owner, owning group, and others

Calculate and set default permissions on new files and directories

Comprehend and configure special permission bits: setuid, setgid, and sticky

Use setgid bit for group collaboration

Apply sticky bit on public and shared writable directories

Search for files in a variety of different ways

Grasp and manage extended access controls for named users and named groups

Set default extended access controls on directories

*RHCSA Objectives:*

10. List, set, and change standard ugo/rwx permissions

36. Create and configure set-GID directories for collaboration

39. Diagnose and correct file permission problems

56. Create and use file access control lists

**CAP.5 - Basic User Management**

Show who is currently logged in

Review history of successful user login attempts and system reboots

Report history of failed user log in attempts

View recent user login attempts

Examine user and group information

Understand the content and syntax of local user authentication files

Analyze user configuration files

Add, modify, and delete local user accounts with default and custom values

Set and modify user passwords

Add user account with nologin access

*RHCSA Objectives:*

51. Create, delete, and modify local user accounts

52. Change passwords for local user account

**CAP.6 - Advanced User Management**

Advanced User Management

Configure password aging attributes on local user accounts

Lock and unlock user account

Understand, create, modify, and delete local groups and group memberships

Switch into another user account

Configure who can execute which privileged commands

Identify and manage file owners and owning groups

*RHCSA Objectives:*

05. Log in and switch users in multi-user targets

52. Change passwords and adjust password aging for local user accounts (only the second part)

53. Create, delete, and modify local groups and group memberships

54. Configure superuser access