

RH236 Red Hat Storage Server Administration

Course Summary

Description

This course is for senior system administrators and storage administrators who are interested in deploying scalable, highly available storage on off-the-shelf hardware and in the cloud. Students will learn how to install, configure, and maintain a cluster of Red Hat Storage servers. The course will also explore highly available CIFS and NFS using CTDB, unified file and object storage and geo-replication.

Note: Red Hat Storage Server Administration (RH236) is one of our new emerging technology courses. This series of courses focuses on Red Hat's newer, evolving technologies. Emerging technologies courses are feature- and functionality-focused and are conducted like guided labs, with little to no lecture. Though labs, an instructor, and instruction materials will be present, students can expect limited video, graphics, translations, or workbook materials. The Red Hat Storage Service Administration course is only currently available as an on-site.

Objectives

At the end of this course, students will be able to:

- Install and configure Red Hat Storage Server
- Create and manage different volume types
- Understand IP failover for NFS and CIFS using CTDB
- Understand Geo-replication
- Understand Unified file and object storage using Swift

Topics

- Introduction to Red Hat Storage
- Explore the classroom environment
- Installation
- Basic configuration
- Volume types
- Clients
- ACLs and quotas
- Extending volumes
- IP failover
- Geo-replication
- Unified file and object storage
- Troubleshooting

Audience

This course is designed for:

- Linux system administrators and storage administrators interested in, or responsible for, maintaining large storage clusters using Red Hat Storage
- Red Hat Certified System Administrator (RHCSA) certification or an equivalent level of knowledge is highly recommended

Prerequisites

RHCSA certification or equivalent experience

Duration

Two days

Due to the nature of this material, this document refers to numerous hardware and software products by their trade names. References to other companies and their products are for informational purposes only, and all trademarks are the properties of their respective companies. It is not the intent of ProTech Professional Technical Services, Inc. to use any of these names generically

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Course Outline

- I. Introduction to Red Hat Storage**
 - A. Understand Red Hat Storage server features and terminology
- II. Explore the classroom environment**
 - A. Gain familiarity with the classroom environment
- III. Installation**
 - A. Install Red Hat Storage server
- IV. Basic configuration**
 - A. Build a Red Hat Storage server volume
- V. Volume types**
 - A. Understand different volume types
- VI. Clients**
 - A. Access data on Red Hat Storage server volumes from different client types
- VII. ACLs and quotas**
 - A. Implement quotas and Posix access control lists
- VIII. Extending volumes**
 - A. Grow storage volumes online
- IX. IP failover**
 - A. Configure IP failover using CTDB
- X. Geo-replication**
 - A. Configure geo-replication
- XI. Unified file and object storage**
 - A. Configure Swift object access
- XII. Troubleshooting**