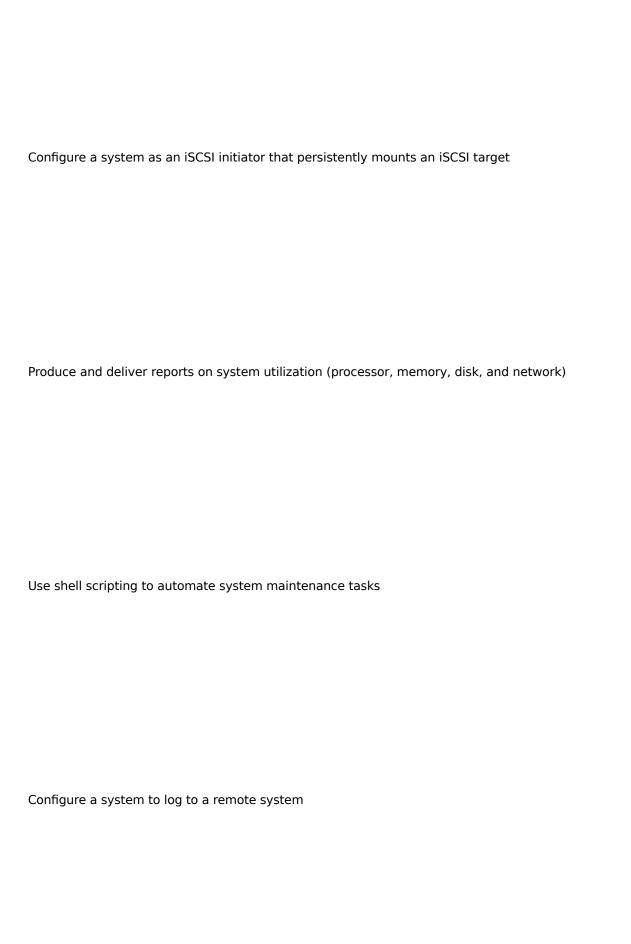
SysadminSG RHCE Study Guide

This is the RHCE Study Guide for the System Administration Study Group.

The study guide is intended to be printed by those who wish to study common tasks performed by many system administrators. This study guide is based upon the Red Hat Certified Engineer Exam Objectives (https://www.redhat.com/certification/rhce/objectives/) . Other useful study components will be added here. Community contributions are always welcome.

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System Configuration and Management
Route IP traffic and create static routes
Use iptables to implement packet filtering and configure network address translation (NAT)
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Use /proc/sys and sysctl to modify and set kernel run-time parameters
Configure system to authenticate using Kerberos



Configure a system to accept logging from a remote system
Network Services
Network services are an important subset of the exam objectives. The following objectives apply to each of the network services listed below:
 Install the packages needed to provide the service Configure SELinux to support the service
 Configure the service to start when the system is booted
Configure the service for basic operationConfigure host-based and user-based security for the service
HTTP/HTTPS
Configure a virtual host
Configure private directories

Deploy a basic CGI application

Configure group-managed content
DNS
Configure a caching-only name server
Configure a caching-only name server to forward DNS queries
FTP
Configure anonymous-only download

NFS
Provide network shares to specific clients
Provide network shares suitable for group collaboration
Samba/CIFS Provide network shares to specific clients
Provide network shares suitable for group collaboration

SMTP
Configure a mail transfer agent (MTA) to accept inbound email from other systems
Configure an MTA to forward (relay) email through a smart host
SSH
Configure key-based authentication
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