Nehra Classes

Igniting The Minds

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Linux System Engineer (RHCE) on CentOS 9

Be able to perform all tasks expected of a Linux System Administrator

- Understand and use essential tools
- Operate running systems
- Configure local storage
- Create and configure file systems
- Deploy, configure, and maintain systems
- Manage users and groups
- Manage security

Understand core components of Ansible

- Inventories
- Modules
- Variables
- Facts
- Plays
- Playbooks
- Configuration files
- Use provided documentation to look up specific information about Ansible modules and commands

Install and configure an Ansible control node

- Install required packages
- Create a static host inventory file
- Create a configuration file
- Create and use static inventories to define groups of hosts
- Manage parallelism

Configure Ansible managed nodes

- Create and distribute SSH keys to managed nodes

- Configure privilege escalation on managed nodes
- Validate a working configuration using ad hoc Ansible commands

Script administration tasks

- Create simple shell scripts
- Create simple shell scripts that run ad hoc Ansible commands

Create Ansible plays and playbooks

- Know how to work with commonly used Ansible modules
- Use variables to retrieve the results of running a command
- Use conditionals to control play execution
- Configure error handling
- Create playbooks to configure systems to a specified state

Use Ansible modules for system administration tasks that work with:

- Software packages and repositories
- Services
- Firewall rules
- File systems
- Storage devices
- File content
- Archiving
- Scheduled tasks
- Security
- Users and groups

Work with roles

- Create roles
- Download roles from an Ansible Galaxy and use them

Use advanced Ansible features

- Create and use templates to create customized configuration files
- Use Ansible Vault in playbooks to protect sensitive data

As with all certification exams, configurations must persist after reboot without intervention.