

OKR294

Administering of Red Hat based operating systems - Ansible

Description:

The three-day course is about system management automation with Ansible. It covers topics required to acquire RHCE certification. Course is run on Red Hat based distribution.

Students will be able to:

- Install and Configure Ansible
- Solve common problems in Ansible
- Administrative task automation
- Adjust configuration according to scale of an environment
- Use Ansible Roles

Course requirements:

- The scope of knowledge appropriate to RHCSA certification

This course is intended for:

- IT professionals who want to supplement their knowledge of the course OKR124 - Administering of Red Hat based operating systems I and OKR134 - Administering of Red Hat based operating systems II
- IT professionals who want to gain the knowledge needed to pass the exam Red Hat Certified System Engineer (RHCE)

Literature:

Book RHCE Red Hat Linux Certification Study Guide.

Hardware:

Classrooms are equipped with high-performance computers with Internet access and the possibility of wireless connection.

Syllabus:

- ### Introduce Ansible
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- Ansible features

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<h3>Deploy Ansible</h3>

- Management server configuration
- Client enrollment

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<h3>Implement playbooks</h3>

- YAML
- Management files syntax

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<h3>Manage variables and facts</h3>

- Using variables
- Working with facts

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<h3>Implement task control</h3>

- Task parallelization
- Cycles
- Conditional executio

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<h3>Deploy files to managed hosts</h3>

- File management
- Jinja2
- Vault

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<h3>Manage large projects</h3>

- Using tasks in libraries

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<h3>Simplify playbooks with roles</h3>

- Roles structure
- Sourcing roles

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<h3>Troubleshoot Ansible</h3>

- Solving common problems in Ansible

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<h3>Automate Linux administration tasks</h3>

- Software management
- User management

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