

# Red Hat Certified Specialist in Microsoft Windows Automation with Ansible Exam

Kód kurzu: EX417

The Red Hat Certified Specialist in Microsoft Windows Automation with Ansible Exam is a performance-based test used to assess the skills and knowledge to manage systems running Microsoft Windows® using Red Hat® Ansible®. By passing this exam you become a Red Hat Certified Specialist in Microsoft Windows Automation with Ansible and can apply your credential toward earning a certification as a Red Hat Certified Architect (RHCA®). This exam is based on Red Hat Ansible Automation Platform 2.4.

## Pro koho je kurz určen

System administrators and infrastructure engineers who want to demonstrate skill in using Ansible automation to configure and manage systems in a heterogeneous environment running Red Hat Enterprise Linux and Microsoft Windows®.

## Co Vás naučíme

As part of this exam, you should be able to perform these tasks:

### **Configure Microsoft VSCode to work with Git and Ansible Automation Platform**

- Build inventories
- Configure Microsoft Windows systems for management via Ansible Automation Platform
- Configure Ansible Automation Platform to manage Microsoft Windows system
- Create machine and source credentials
- Write and run playbooks using Visual Studio Code
- Work with Git and perform basic Git operations through VSCode

### **Manage inventories and credentials**

- Create host groups
- Assign systems to host groups
- Configure inventory variables
- Create and configure machine credentials to access hosts
- Create and configure source control credentials

### **Manage task execution with Automation controller**

- Write and run playbooks
- Create projects
- Create job templates
- Launch jobs

### **Manage variables and facts**

- Create flexible playbooks using variables
- Gather facts from Windows hosts

### **Implement task control**

- Write loops and conditional tasks
- Handle task failures

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## Utilize roles and Ansible Content Collections

- Include and import files
- Create Ansible automation roles
- Get roles and modules from Ansible Content Collections

## Automate tasks for Microsoft Windows

- Manage local users
- Automate Software Installation on Windows
- Create/Edit files on Windows
- Automate Services Control on Windows
- Manage Active Directory Domains
- Manage and configure storage
- Schedule tasks

### Požadované vstupní znalosti

- Experience with Windows® system administration
- Experience working in a Linux command line environment. Red Hat Certified System Administrator (RHCSA) or equivalent knowledge is recommended but not a requirement
- Experience using editors like Microsoft Visual Studio or Vim recommended, as well as experience utilizing source control tools such as Git
- Understanding of Ansible Core and Ansible Automation Platform
- Take our free assessment
- to find the course that best supports your preparation for this exam

### Metody výuky

Red Hat offers a method of training that is convenient for you—classroom, online, or at your site.

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