Tytuł szkolenia: vRealize Automation: Install, Configure, Manage [V7.0] (EDU-VRAICM7)

Kod szkolenia: VT-VRA-ICM-7

Wprowadzenie

During this five-day course, you will focus on installing, configuring, and managing VMware vRealize® Automation™. You will learn about the configuration and use of the vRealize Automation platform, including self-service provisioning and the creation of catalog services that include predefined virtual machines, software components, and on-demand VMware NSX® networks. This course also covers interfacing vRealize Automation with other systems, using VMware vRealize® Orchestrator™ to leverage workflows, and creating approval cycles and managing machine lifecycles to conserve resources. In addition, you will better understand and know how to achieve the benefits of automation as a component of the software-defined data center.

Adresaci szkolenia

Experienced system administrators and system integrators responsible for designing and implementing VMware Horizon® solutions.

Cel szkolenia

The course material presumes that a student can perform the following tasks with no assistance or guidance before enrolling in this course:

- Install and configure ESX/ESXi
- Install vCenter Server
- Create vCenter Server objects, such as data centers and folders
- Create and manage vCenter Server roles and permissions
- Create and modify a standard switch
- Create and modify a distributed switch
- Connect an ESX/ESXi host to NAS, iSCSI, or Fibre Channel storage
- Create a VMware vSphere® VMFS datastore
- Enable VMware vSphere® vMotion® on an ESX/ESXi host
- Use a wizard or a template to create a virtual machine
- Modify a virtual machine's hardware
- Migrate a virtual machine with vSphere vMotion
- Migrate a virtual machine with VMware vSphere® Storage vMotion®
- Configure and manage a VMware vSphere® Distributed Resource Scheduler™ cluster with resource pools
- Configure and manage a VMware vSphere® High Availability cluster

Czas i forma szkolenia

- 35 godzin (5 dni x 7 godzin), w tym wykłady i warsztaty praktyczne.

Plan szkolenia

1. Course Introduction
    a. Introductions and course logistics
    b. Course objectives
2. vRealize Automation Overview and Architecture
    a. Explain the role of vRealize Automation
    b. Describe where vRealize Automation fits in the VMware product stack
    c. Identify the components of a vRealize Automation simple deployment
    d. Identify the components of a vRealize Automation enterprise deployment
    e. Identify the component design options for vRealize Automation
    f. Explain the concepts of vRealize Automation administration and self-service provisioning

3. Authentication, Fabric, and Tenants
    a. Identify the authentication methods available
    b. Describe identity management
    c. Identify the appropriate roles for various tasks
    d. Define relationships between vRealize Automation entities
    e. Identify and configure vRealize Automation endpoints
    f. Identify how vRealize Automation discovers compute resources
    g. Define the vRealize Automation roles
    h. Identify fabric groups, business groups, and reservations
    i. Create tenants
    j. Create and manage reservations for compute resources
4. Converged Blueprints and Catalog Management
    a. Create and manage machine blueprints, custom service blueprints, and application blueprints
    b. Manage service catalog items with entitlements and approval policies
    c. Create approval policies
    d. Identify approval policy levels and approval phases
5. Consuming Catalog Services
    a. Provision new machines and services
    b. Deploying applications
    c. Updating applications
    d. Manage deployments
    e. Manage self-provisioned machines
    f. Use custom properties
    g. Use build profiles
    h. Use the property dictionary
6. Integrating VMware NSX
    a. Integrate vRealize Automation with VMware NSX
    b. Use VMware NSX elements in blueprints
7. Application Authoring
    a. Author an application blueprint
    b. Deploy an application from the service catalog
8. Monitoring and Reclamation
    a. Identify and verify inactive and abandoned resources
    b. Manage machine leases
    c. Manage machine reclamation
9. vRealize Automation Extensibility
    a. Identify extensibility and customization options
    b. Configure plug-ins for external integration
    c. Integrate vRealize Automation and VMware vRealize® Business™
    d. Use vRealize Orchestrator
10. vRealize Automation Installation
    a. Installation prerequisites
    b. Installation procedure
    c. Clustering
    d. Upgrades and migrations
    e. Migration tool