Tytuł szkolenia: VMware Cloud Automation: Design and Deploy Fast Track [V6.0] (EDU-VCADDFT6)

Kod szkolenia: CLOUD-CA-FT6

Wprowadzenie

This training course focuses on designing and deploying an enterprise cloud by using a distributed architecture deployment of VMware vRealize® Automation™. The lecture and labs concentrate on designing an enterprise cloud architecture and the effective implementation of a vRealize Automation distributed deployment according to best practices recommended by VMware.

Adresaci szkolenia

Experienced system administrators, cloud administrators, system integrators, and deployment consultants.

Cel szkolenia

- VMware vSphere: Install, Configure, Manage [V5.x, 6.x]
- VMware vRealize Automation: Install, Configure, Manage [v5.x, 6.x]
- Or equivalent knowledge
- Course Objectives
- By the end of the course, you should be able to meet the following objectives:
- Understand and apply enterprise design principles
- Design conceptual, logical, and physical designs
- Understand the use of security certificates in asynchronous key exchanges
- Design and deploy a certificate authority and single sign-on architecture to support the enterprise cloud architecture
- Design and deploy a tiered VMware vSphere® resource architecture for CPU, storage, and network resources, including VMware NSX®
- Design and deploy an authority architecture of roles for an enterprise cloud
- Design and deploy a tenant and business group architecture for an enterprise cloud
- Design and deploy standard machines and multimachine templates to support your tenant and business group architecture
- Design and deploy blueprints, services, and entitlements to support your enterprise cloud
- Understand VMware vCloud® Air™ integration and when to use cloud bursting
- Understand VMware vRealize® Business™ cost structure design and integration with vRealize Automation
- Understand the location and identity of all log files that relate to vRealize Automation troubleshooting

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 outline
    c. Course goals
    d. Course objectives
2. Design Principles
    a. Create a design foundation for an enterprise cloud by identifying business requirements, typical business solutions, constraints, assumptions, and risks
    b. Create a conceptual design for an enterprise cloud
    c. Create a logical design for an enterprise cloud
    d. Use key enterprise design principles to create a vSphere infrastructure for your enterprise cloud
3. Security Infrastructure
    a. Design a certificate authority architecture
    b. Create certificate signing requests for your vRealize Automation servers
    c. Create certificates for your vRealize Automation servers
4. vRealize Automation Distributed Architecture
    a. Design and deploy the vRealize Automation solution, including the related systems of vRealize Orchestrator and a single sign-on system, in a highly available, distributed architecture
5. Authority Role Architecture
    a. Design either an expanded authority role architecture or a compressed authority role architecture for an enterprise cloud
6. Tenants and Business Groups
    a. Design an optimum tenant and business group architecture for your enterprise cloud by using either a single tenant or a multitenant model
7. Enterprise Design
    a. Design an enterprise cloud that is based on a multitiered architecture
    b. Design vRealize Automation systems to provision requests for an enterprise cloud
    c. Design naming standards in vRealize Automation to support your tenant and business group architecture
    d. Deploy machine prefixes to support your naming standard
    e. Design an enterprise cloud with extensibility
    f. Manage your enterprise cloud