Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

Arrow ECS, a.s., 28. října 3390/111a, 702 00 Ostrava

Email: training.ecs.cz@arrow.com
Phone: +420 597 488 811

VMware vSphere: Design [V7]

Kód:	DÉLKA:	CENA:
VMW_VSD7	24 Hours (3 DENNÍ)	Kč bez DPH 34,000.00

Description

Toto třídenní školení vás vybaví znalostmi, dovednostmi a schopnostmi navrhovat virtuální infrastrukturu VMware vSphere® 7. Při navrhování virtualizačního řešení, které zajišťuje dostupnost, ovladatelnost, výkon, obnovitelnost a zabezpečení využijete osvědčené postupy VMware. Tento kurz pojednává o výhodách a rizicích dostupných alternativ designu a poskytuje informace k podpoře správného rozhodování. Na základě případové studie procvičujete své designérské dovednosti spoluprací s kolegy na projektu.

Cíle

By the end of the course, you should be able to meet the following objectives:
- Identify the business objectives for the vSphere environment
- Identify business requirements, constraints, assumptions, and risks for all layers in the vSphere environment
- Apply a framework to a design
- Analyze design choices and best-practice recommendations
- Create a design that ensures availability, manageability, performance, recoverability, and security
- Design the core management infrastructure for an enterprise
- Design the virtual data center for an enterprise
- Design the compute infrastructure for an enterprise
- Design the storage and networking infrastructures for an enterprise
- Design virtual machines to run applications in a vSphere infrastructure
- Design security, manageability, and recoverability features for an enterprise

Určeno pro

Experienced system integrators and consultants responsible for designing and deploying vSphere environments

Vstupní znalosti

This course requires completion of the following prerequisites:
- VMware vSphere: Install, Configure, Manage [V7]
- VMware vSphere: Optimize and Scale [V7]

Program

2 Infrastructure Assessment
- Follow a proven process to design a virtualization solution
- Define customer business objectives
- Gather and analyze business and application requirements

1 Course Introduction
- Introductions and course logistics
- Course objectives

- Document design requirements, constraints, assumptions, and risks
- Use a systematic method to evaluate and document design decisions
- Create a conceptual design

3 Core Management Infrastructure
- Determine the number of VMware vCenter® Server ApplianceTM instances to include in a design
- Choose the appropriate single sign-on identity source
- Choose the time synchronization method
- Choose methods to collect log files and VMware ESXi™ core dumps
- Design a vCenter Server deployment topology that is appropriate for the size and requirements of the data center

4 Virtual Data Center Infrastructure
• Calculate total compute capacity requirements for a virtual data center
• Create a virtual data center cluster design that meets business and workload requirements
• Evaluate in the virtual data center the use of several management services, such as VMware vSphere®
  High Availability and VMware vSphere® Distributed Resource Scheduler™
• Evaluate the use of resource pools in the virtual data center design
5 Compute Infrastructure
• Create a compute infrastructure design that includes the appropriate ESXi boot, installation, and configuration options
• Choose the ESXi host hardware for the compute infrastructure
6 Storage Infrastructure
• Calculate storage capacity and performance requirements for a design
• Evaluate the use of different storage platforms and storage management solutions
• Design a storage platform infrastructure and storage management architecture that meets the needs of the vSphere environment
7 Network Infrastructure
• Evaluate the use of different network component and network management solutions
• Design a network component architecture that includes information about network segmentation and virtual switch types
• Design a network management architecture that meets the needs of the vSphere environment
8 Virtual Machine Design
• Make virtual machine design decisions, including decisions about resources
• Design virtual machines that meet the needs of the applications in the vSphere environment and follow VMware best practices
9 Infrastructure Security
• Make security design decisions for various layers in the vSphere environment
• Design a security strategy that meets the needs of the vSphere environment and follows VMware best practices
10 Infrastructure Manageability
• Make infrastructure manageability design decisions that adhere to business requirements
• Design an infrastructure manageability strategy that meets the needs of the vSphere environment and follows VMware best practices
11 Infrastructure Recoverability
• Make infrastructure recoverability design decisions that adhere to business requirements
• Design an infrastructure recoverability strategy that meets the needs of the vSphere environment and follows VMware best practices

Termíny školení

Termíny školení na vyžádání, kontaktujte nás prosím

Dodatečné informace

Školení je možné zajistit na míru. Kontaktujte nás pro bližší informace.