

VMware vSphere: Manage for Performance

Kein Kursort verfügbar

Preis CHF: 3'225.00

Preis EUR: 2'677.00



Thema/Kursziel:

At the end of the course you should have the following skills:

- Ability to explain the influence of various monitoring modes on performance
- Performance monitoring of ESX/ESXi hosts with vSphere tools
- Elimination of CPU, memory, network and storage performance problems on an ESX/ESXi host
- Explanation of the implementation of an ideal configuration for virtual machines
- Explanation of guidelines for monitoring application performance

Zielgruppen:

System administrators, system technicians and consultants who are responsible for performance management for a vSphere installation.

Kursinhalt:

- Module 1: Course introduction
- Module 2: Performance in a virtualised environment
 - Explanation of methods for eliminating vSphere performance problems
 - Performance monitoring with vCenter Server performance graphs and the "resxtop" command with ESX/ESXi
- Module 3: Monitoring virtual machines
 - Explanation of virtualisation techniques with soft- and hardware and their influence on performance
- Module 4: CPU performance
 - Explanation of CPU schedulers, NUMA and CPU cache contention
 - Monitoring important CPU performance values
 - Elimination of common problems with CPU performance
- Module 5: Memory performance
 - Explanation of techniques for recycling memory and memory overload
 - Monitoring important memory performance values
 - Elimination of common problems with memory performance
- Module 6: Network performance
 - Explanation of performance functions of modern network cards
 - Monitoring important network performance values
 - Elimination of common problems with network performance
- Module 7: Storage performance
 - Explanation of the influence which storage protocols, VMFS configuration, load balancing and queues have on performance
 - Monitoring important storage performance values
 - Elimination of common problems with storage performance
- Module 8: Performance of virtual machines

- Explanation of guidelines for configuring a virtual machine for optimum performance
- Module 9: Application performance
 - Explanation of which applications can be virtualised
 - Explanation of to what extent VMware vCenter AppCenter manages application performance

Voraussetzungen:

This is an advanced course. The following requirements must be fulfilled in order to qualify for participation:

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 - Completion of the VMware vSphere: Install, Configure, Manage course
 - Completion of the VMware vSphere Fast Track course
 - Completion of the VMware vSphere: What´s New course
 - Equivalent knowledge and administration experience with ESX/ESXi and vCenter servers

Kursumgebung:

Kurssprache:

Die Kurssprache ist standardmässig deutsch. In Abstimmung mit den Kursteilnehmern kann der Kurs auch englisch erfolgen (z.B. für firmeninterne Kurse).

Kursdokumentation:

Eine ausführliche Dokumentation (Original VMware Unterlagen) in englischer Sprache wird den Teilnehmern abgegeben.

Dieser Kurs wird in Zusammenarbeit mit der Firma Magirus (www.magirus.ch) durchgeführt.