

NetApp - Performance Analysis on Clustered Data ONTAP (NA-PERFCDOT)

Kursprache: Deutsch, Schulungsunterlagen: Englisch, digitale Form.

Zielgruppe: Professionals who manage NetApp storage systems and would like a deeper understanding of Clustered Data ONTAP system performance.

Kursziele: For those students who are looking for more in-depth knowledge on managing performance on Clustered Data ONTAP after completing DCADM should consider PERFCDOT. This course will teach students to use available tools such as system commands and NetApp OnCommand to collect and monitor performance data. Students will learn to use this data to identify and implement system changes that improve the efficiency of the system. Hands-on labs, case-studies, and technical discussions will take place throughout this 2-day course.

Dieses Seminar führen wir in Kooperation mit der Fast Lane GmbH durch.

Seminar- bzw. Schulungsinhalte

- Module 1: How a NetApp Storage System Works
 - Describe the layers within the Data ONTAP architecture
 - List the advantages that are provided by the ability of WAFL to optimize writes
 - Explain the purpose of NVRAM
 - Diagram the flow of read and write requests through the network and protocol layers of Data ONTAP
 - Describe the benefits that RAID provides
- Module 2: Performance Overview
 - Define performance-related terms, such as "baseline," "bottleneck," "Little's law," and "latency"
 - Describe baseline performance guidelines and methodologies as they relate to NetApp storage systems
- Module 3: Clustered Storage System Workloads and Bottlenecks
 - Gather information about the workload of an existing storage system
 - Identify the storage system components that can affect performance become bottlenecks
- Module 4: Cluster Performance Monitoring and Analysis
 - Describe the performance analysis tools and commands that are commonly used for cluster health checks
 - Identify the key performance commands and describe the command output that they produce
 - Explain how to use NetApp tools for performance measurement
 - Describe the benefits of using the AutoSupport support tool for performance analysis

- Module 5: OnCommand Management Tools
 - List the three categories of performance tools
 - Explain the features and functions of Insight Perform
 - Explain the features and functions of OnCommand Balance
 - Use OnCommand management tools to view performance data
- Module 6: Storage QoS
 - Discuss how the Storage Quality of Service (QoS) feature works in a clustered Data ONTAP environment
 - Identify the commands that are used to manage policy groups
 - Monitor workload performance
- Labs
 - Identify the exercise environment
 - Log in to the exercise environment
 - Add a cluster to OnCommand System Manager
 - Configure SNMP public community name
 - Identify clustered Data ONTAP components
 - Set the clustered Data ONTAP command line system timeout value (optional)
 - Examine the statistics catalog commands
 - Examine the statistics start and statistics show commands
 - Defining workload characteristics
 - Perform initial health checks on the cluster
 - Baseline performance monitoring from the cluster shell
 - Performance monitoring from the cluster shell
 - Unlock diag userid
 - Using the performance and statistics collector (Perfstat)
 - Reactively limit throughput to a workload by associating the workload with QoS policy group
 - Proactively monitor workload performance by associating a workload with a QoS policy group
 - Isolate a tenant workload by associating the workload with a QoS policy group

Seminar- bzw. Schulungsvoraussetzungen

Kursbesuch: NetApp - Clustered Data ONTAP Administration oder vergleichbare Kenntnisse.

Seminarart

Dieses Seminar können Sie als **Präsenzseminar** oder als **Live-Online-Training** (virtuelles Präsenzseminar) buchen.

Dauer

3 Tage von 10:00 bis 17:00 Uhr

Preise

Die Teilnahmegebühr beträgt 2.700,00 € (3.213,00 € inkl. 19% MwSt.)

Im Preis enthalten sind Seminarunterlagen, Pausenverpflegung, Getränke und PC-COLLEGE - Zertifikat.

Anmeldung

Bitte **online** anmelden oder per **Fax**.

Termine

Die aktuellen Termine und Standorte für NetApp - Performance Analysis on Clustered Data ONTAP (NA-PERFCDOT) finden Sie **online**.

Weitere Seminare

Alle Seminare finden Sie in unserer **Seminarübersicht**.

Gerne unterbreiten wir Ihnen auch ein individuelles Angebot entsprechend Ihrer Wünsche und Vorstellungen. Senden Sie hierfür Ihre Anfrage einfach an **office@pc-college.de**.

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