

## MetroCluster Administration

Duration: 2 Days    Course Code: NEP\_MC-ADM

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### Overview:

**English - Please note this course is only available in English.**

**Nederlands - Let op: deze training is alleen in het Engels beschikbaar.**

**Français - Veuillez noter que ce cours est uniquement disponible en anglais.**

In this course, you learn the knowledge and skills necessary to administer an ONTAP MetroCluster system. You will review the specificity of MetroCluster environment and discover how they affect the daily operations. You will also extensively demonstrate how to manage component failures and complete site disaster to reduce the impact on your critical data and applications. Finally, you will learn about the transition capabilities from ONTAP MetroCluster FC to MetroCluster IP.

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### Target Audience:

Systems Administrators and Architects

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### Objectives:

- Define the Business Continuity solutions offered by NetApp.
  - Review the ONTAP MetroCluster architectural principles.
  - Understand the differences between MetroCluster FC and MetroCluster IP
  - Demonstrate the MetroCluster specific concepts and commands.
  - Understand the MetroCluster Data Protection and Tiering mechanisms.
  - Describe resource provisioning on a MetroCluster system.
  - Define the MetroCluster Maintenance procedures.
  - Describe how to use NetApp tools for MetroCluster monitoring.
  - Understand the MetroCluster FC to MetroCluster IP transition process.
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### Prerequisites:

NCTSP, NCDA and NCIE-DP or equivalent ONTAP experience.

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## Content:

Module 1: Introduction to Metrocluster	Exercises:	• Maintenance procedures on MetroCluster
• Business Continuity and Data Protection	• Create multiple storage VMs.	• Switch maintenance and upgrade.
• MetroCluster history and evolution	• Review the created resources.	• ONTAP Mediator upgrade
• MetroCluster types	• Connect your resources to different hosts	Exercises:
Exercises:	Module 4: Data Protection and Tiering	• Upgrade ONTAP.
• Connect to your lab and check your system.	• Data Protection implementation with MetroCluster.	• Upgrade the Mediator.
• Review the available documentation.	• Data Mobility and Tiering.	Module 7: Failover workflows
Module 2: MetroCluster IP architecture	Exercises:	• Review the component failures in MetroCluster
• MetroCluster IP architectures	• Backup data to a third cluster	• Review the different disaster scenarios
• MetroCluster IP components	• Use FabricPool to tier cold data to S3	Exercises:
• MetroCluster IP network configuration	Module 5: Monitoring MetroCluster	• Fail different components.
Exercises:	• MetroCluster specific logs and components	• Run planned and unplanned switchovers.
• Navigate the different resources.	• Monitoring tools	Appendix A: MetroCluster Transition
• Explore your MetroCluster environment.	Exercises:	• Transition support from MCFC to MCIP
Module 3: MetroCluster Data Access	• Collect MetroCluster logs manually.	• Process workflow
• MetroCluster connectivity	• Install and use MCDC.	Exercises:
• Protocol access in MetroCluster	Module 6: MetroCluster Maintenance	No additional labs

## Further Information:

For More information, or to book your course, please call us on 0800/84.009

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[www.globalknowledge.com/en-be/](http://www.globalknowledge.com/en-be/)