

PANASAS®

# Panasas Global Services: Technical Education

Next Gen PanFS® on ActiveStor® Ultra - NEW

Q2-2020

# Next Gen PanFS on ActiveStor Ultra - NEW

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This new, remote learning course draws upon the knowledge obtained from the PanFS® *System Administration Certification* course or from relevant, practical PanFS system administration experience.

The training materials introduce the Systems Administrator or IT team member to the new architecture, features and hardware of Panasas' new storage appliance – ActiveStor® Ultra, featuring the next generation of the PanFS parallel file system.

The course covers the significant changes within the ActiveStor Ultra hardware architecture, components, and networking. In addition, the new software architecture and features will be presented along with the configuration and operational considerations from previous releases.

# Included Modules

## Day 1

- Next Generation Introduction
- Next Generation Overview
- ActiveStor Ultra Storage
- ActiveStor Director
- PanActive® Manager GUI Changes
- PanCLI Changes
- Adding Next Gen Enclosures

## Day 2

- Next Gen Network Connectivity
- RAID/Bladeset/Volume Considerations
- Volume Services on ASDs
- DirectFlow® Performance with Ultra

## Day 3

- OSD internal File system
- Ultra Data Movement
- Self-Encrypting Drives
- Ultra Snapshots
- Capacity Used Reporting
- Monitoring Next Gen Nodes

## Day 4

- Troubleshooting Next Gen Nodes
- Reconstruction / Drain Considerations
- Replacing Next Gen Nodes
- Upgrading PanFS OS Changes
- Shutting Down the Realm Changes

# Prerequisites

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Successful completion of the PanFS System Administration Certification or relevant PanFS System Administration experience.

All attendees must have a basic understanding of:

**General IP  
Networking**

**Familiarity of  
NFS and / or  
file-system  
usage**

**Disk RAID  
Concepts**

**Experience  
interfacing  
with Linux  
and/or UNIX**

# Equipment

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Each student participates via a web conferencing service.

Students are required to have a device suitable for web conferencing and a reliable internet connection with the appropriate bandwidth to support web conferencing with video.

# Target Audience

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**Storage  
Administrators**

**Storage  
Specialists**

**Storage Network  
Engineers**

**Data Center  
Operators**

# Instructor-Led Web Conferencing Training

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Courses are delivered to attendees via the internet.

Regardless of location or delivery model, all training classes are facilitated by Panasas personnel with diverse, hands-on technical backgrounds.

Panasas equipment is used with course content directly developed by the Panasas Global Services team.

To learn more about the training programs and options available, email us at [training@panasas.com](mailto:training@panasas.com)

# Course Cancellation Policy

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Panasas requires a minimum of four students per class for training to be delivered.

We reserve the right to change course schedules, modify course content, or cancel a class when necessary.

If we elect to cancel a class, we will make every effort to notify all registrants a minimum of 14 days prior to the scheduled start date.

# Prerequisite Compliance

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Students are responsible for complying with all prerequisite material.

Students who demonstrate a gap in the prerequisite knowledge may be requested to limit questions during class time as to not impede the overall progress of the class.

# Class Participation

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Attendance is the responsibility of the registrant.

In order to successfully complete a course, 100% attendance is required to receive a Panasas Continuing Education Certificate.

# Confirmation

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Panasas will send you a confirmation e-mail upon registration.

We recommend that you save the confirmation email to confirm class attendance eligibility.

# Panasas Online Course Details

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Course Title:	Next Gen PanFS on ActiveStor Ultra
Course Number:	EDU-NXTGEN-WEB
Delivery Method:	Instructor-led
Location:	Online course
Content:	Training booklet (electronic)
Duration:	Four days (four hours each day)
Price:	Free
Min. Students per Class:	4
Class Frequency:	Please refer to online course schedule

# Disclaimer

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