

This instructor led course delivers a complete introduction to the Panasas® Storage Cluster and allows the student to earn certification as a Panasas System Administrator. The Panasas hardware platforms covered include the ActiveStor™ 5000, ActiveStor 3000 and our ActiveScale® Operating Environment and DirectFLOW® Protocol. This course provides a Systems Administrator or similar IT Team Member the knowledge to install, configure and maintain a Panasas Storage Cluster. Each student will gain a firm understanding of configuration, operation and maintenance of the Panasas suite of products and be provided instruction on how to diagnose and resolve various software and hardware error.

The redundant components of the Panasas hardware solution are discussed and reinforced with lab exercises and hands-on activities demonstrating how to service each field-replaceable unit. Object-based file-system theory, software upgrades and configuration scenarios will be discussed with the students. The instructor will focus on the fundamentals of the ActiveScale operating environment, the DirectFLOW® client access software for Linux®, the Panasas storage virtualization model, and the PanActive® Management Console interface (both CLI and GUI). Students will be introduced to the features available when implementing a Panasas Storage Cluster and how to best configure it to obtain optimal redundancy and performance.

MODULES INCLUDED

- Panasas ActiveScale Operating Environment Architecture
- Hardware Overview
- Hardware Diagnostics and Hands On Exercises
- Management Interfaces
- Basic Storage Cluster Configuration and Operation
- Bladeset and Volume Management
- Configuring NFS
- Panasas ActiveRAID™ Technology
- DirectorBlade® Module and StorageBlade® Module Troubleshooting
 - Volume Failover
 - Panasas Reconstruction
 - StorageBlade Module Drain
- System Upgrades
- DirectFLOW Client Access Software Installation
- System Monitoring and Report Generation
- Certification Exam

PREREQUISITES

All attendees must have a basic understanding of:

- General IP Networking
- Disk RAID concepts
- Familiarity of NFS and/or file-system usage
- Experience interfacing with UNIX® and/or Linux®

EQUIPMENT

Each student is partnered with two or three other individuals to participate in hands-on lab exercises using Panasas equipment.

TARGET AUDIENCE

- Storage Network Engineers
- Storage Specialists
- Storage Administrators and/or Data Center Operators

INSTRUCTOR LED TRAINING

Courses are taught at Panasas' facilities in Pittsburgh, PA, and Fremont, CA. In addition, we offer training at the customer's office provided specific accommodations are made for equipment and facilities. Regardless of location, 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.

Please email training@panasas.com to learn more about the training programs and options available.

STUDENT CANCELLATION POLICY

Individual training registrants cancelling a scheduled class at a Panasas facility have the option to register for another class or receive a full refund, provided Panasas is notified at least 14 calendar days before the course start date. Any cancellation made within two weeks of the scheduled class start date will be charged the full training course fee. Registration may be transferred to another student provided they possess adequate knowledge of the prerequisite course material.

CANCELLATION FOR CUSTOMER SITE TRAINING SESSIONS

Customers can cancel or reschedule customer site training without penalty up to 14 calendar days prior to the course start date. Full charges will apply if cancellation is made fewer than 14 calendar days before the course start date.

COURSE CANCELLATION POLICY BY PANASAS

Panasas requires a minimum of four students per class for training delivered at a Panasas facility. 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. Panasas is not responsible for airline or hotel penalties incurred because of canceled courses.

PREREQUISITES

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 so as to not impede the overall progress of the class.

CLASS PARTICIPATION

Attendance is the responsibility of the registrant. In order to successfully complete a course, 100% attendance is required. If a registrant fails to appear for a scheduled class, or fails to complete the entire course, the full course fee is charged and certification is not guaranteed.

CERTIFICATION

Successful completion of the Panasas System Administrator course ensures that your staff has been trained on daily system operation, configuration and maintenance. Students who attend all presentation material, pass the final exam and complete all practical application exercises are awarded a certificate of completion by Panasas Global Services.

Panasas On-Site Course Details

Course Title:	Panasas System Administrator Training and Certification
Course Number:	SVC-EDU-100-PAN
Delivery Method:	Instructor-Led
Location:	Panasas offices in either Pittsburgh, PA, or Fremont, CA
Content:	Training book, hands-on labs, technical papers
Duration:	Four days
Price:	Email training@panasas.com for quote
Format:	2-3 Students per System (Panasas Supplied Equipment)
Min. Students per Class:	4
Max. Students per Class:	10
Class Frequency:	Once every 2-3 months

Customer On-Site Course Details

Course Title:	Panasas System Administrator Training and Certification
Course Number:	SVC-EDU-100-CUST
Delivery Method:	Instructor-Led
Location:	Customer Site
Content:	Training book, hands-on labs, technical papers
Duration:	Four days
Price:	Email training@panasas.com for quote
Format:	2-3 Students per System (Panasas Supplied Equipment)
Min. Students per Class:	1
Max. Students per Class:	12
Class Frequency:	As Required
Requirements:	Customer to supply Panasas shelves and clients
Panasas supplied equipment:	Available for an additional fee

CONFIRMATION

Panasas will send you a confirmation letter upon registration. We recommend that you bring it to class to confirm class attendance eligibility.



Accelerating Time to Results™ with Clustered Storage

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