

COURSE DESCRIPTION

FlashArray™ Foundations

Our flexible on-demand training builds skills and knowledge so you can operate Pure Storage FlashArray technology. Get the most out of Pure FlashArray and maximize your technology investments, when and where you choose.

Course Benefits

Learn to harness the power of FlashArray, the first all-flash, 100% NVMe shared accelerated storage designed for mainstream enterprise deployments. This course covers basic array functionality, data administration, efficient infrastructure, feature management, and basic troubleshooting.

Course Outline

In this course, you will learn:

FlashArray Functionality

- FlashArray Hardware Architecture: Describe how the FlashArray purpose-built hardware architecture is designed to deliver an “Evergreen” experience.
- FlashArray Architecture/Lifecycle of an I/O: Describe how to use the lifecycle of an I/O to illustrate basic FlashArray architecture.
- Data Reduction: Describe the three methods that FlashArray uses to eliminate redundant data including pattern elimination, duplication elimination, and compression. Explain why the elimination of redundant data is important.
- System Space: Describe the three categories of space (volume, shared, system) and when to use each. Define the concept of space, including system space and space reporting.
- Space Troubleshooting: Explain how to troubleshoot space-related issues in the FlashArray by using the load meter in Pure1™ as well as the FlashArray interface, and submit questions to Pure Storage Technical Services.
- Async Replication: Explain how to protect data including snapshots, backups and replication. Define what a p-group is and how to leverage it in data protection. Describe how network connectivity and storage protection is associated with replication, how failover and recovery works, and various performance and capacity considerations.



INTENDED AUDIENCE

NEW AND EXPERIENCED IT PROFESSIONALS



COURSE TYPE

ON-DEMAND



DURATION

6 HOURS



LAB

VIRTUAL



RECOMMENDED

NEXT STEPS

EXPLORE [MORE EDUCATION](#)
FROM PURE PEAK

FlashArray Administration

- Fibre Channel and iSCSI: Explain Pure Storage best practices when implementing FlashArray in a SAN environment including best practices for fibre channel and iSCSI SANs, specifically inter-switch links, zoning, error-free paths, and port speeds.
- Array Management: Effectively use the FlashArray interfaces (graphical and command line) to set up volumes, hosts, networks, and more. Create and manage a protection group.
- Snapshots: List the command line interface commands to create snapshots, and how snapshots are used on the array to create critical restore points, create local snapshots, and recover from existing snaps.
- Pure1 Manage: Describe the purpose, and architecture of the Pure1 Management system. Describe how to use Pure1 Manage to review capacity notifications, card views, performance and capacity diagnostics, VM analytics, Active Cluster, and application programming interface (API) registration.

Case Handling and Issue Resolution

- Managing Cases with Technical Services: Explain how to create a case with Pure Storage® Technical Services using the Pure1 portal, email, and phone. Summarize how the Technical Services Assistant (TSA) establishes and acknowledges your case.
- Severity Levels: Based on the ranking system, assign an applicable severity level when opening a support case.
- Support Escalation Path: Explain how to escalate a support case using the Pure1 case portal or the Technical Services case escalation email and hotline when an escalation is required.

Additional Features for FlashArray

- ActiveCluster: Failover, Active-Active Sync, Quick Setup and Demo: Explain how ActiveCluster delivers a multi-site active/active solution. Locate the Pod Failover Preference and then demonstrate how to change appropriate settings within an environment.
- FlashArray Plugin for vSphere Web Client: Describe the features in the FlashArray Plugin for vSphere Web Client, version 3.
- Virtual Volumes on FlashArray: Describe the architecture and use of virtual volumes, and what comprises a virtual machine as it pertains to FlashArray. Explain how to setup, deploy, configure, and manage virtual volumes.
- Virtual Machine Analytics: Explain the VMware environment allows you to drill down and identify where problems originate.
- Windows File Service (WFS): Explain how WFS on Purity Run helps block file-centric customers to add file services, and the options and benefits of each.
- Snap to NFS: Describe how Pure uses Snapshot technology to natively backup snap shots.