

# AxiomONE Path Manager

## Pillar Axiom Storage System



- Resides on the host and provides dynamic path optimization and failover between redundant paths to storage LUNs
- Categorizes available paths as “optimized” versus “non optimized” and uses only the optimized paths for I/O
- Allows a consolidated view of each host and its associated HBAs

Enabling a more robust, reliable SAN with dynamic, multi-path load balancing and failover capabilities, AxiomONE™ Path Manager (APM) software from Pillar Data Systems® delivers essential functionality for today's enterprise-class SANs. This capability supplements reliability features within the Pillar Axiom® storage system such as redundant sub-systems and automatic failover and recovery mechanisms. It supports most major operating systems and processor architectures, scaling from two to 32 paths for each host. It provides flexibility to non-disruptively change or add storage connectivity resources and maintain persistency.

APM software is available at no extra charge with any Pillar SAN system. It eliminates the per-host path-failover and load-balancing license fees charged by other storage vendors. It is now economically sensible to protect pathways between Pillar Axiom storage arrays and mid-tier applications on large numbers of servers.

AxiomONE Path Manager is installed on the Pillar Axiom Pilot policy controller, and accessed through AxiomONE Storage Services Manager software. The APM software inherits its ease-of-use traits, enabling rapid configuration of redundant pathways between hosts and Pillar Axiom storage systems in just a few clicks. Simplified configuration facilitates efficient management of large numbers of hosts and pathways. Administrators can establish static or round-robin pathways. Static pathways provide failover only, while round-robin pathways deliver both failover and dynamic load balancing functionality.

## Key Features

### Multiple LUN Support

- Connects up to eight Axiom systems per host
- Supports up to four SAN Slammers
- Supports up to 256 LUNs in each Slammer from each host

### Multi-Path Support

- Supports up to 32 paths from the host to each LUN
- Supports up to 32 Fibre Channel HBA ports in each host

### Automatic Path Failover

- Detection of I/O path failure
- Notification to the host of an I/O path failure
- Selection and failover to an alternate data path
- Ability to manually enable/disable paths

### Boot from SAN

Boot from SAN helps businesses to effectively manage storage resources by providing the following capabilities:

- Server consolidation
- Centralized management
- Simplified recovery from server failures
- Rapid disaster recovery
- Rapid redeployment for temporary server loads

### Supported Operating Systems and Hosts

- AIX 5.2
- AIX 5.3
- HP UX 11i v1
- HP UX 11i v2
- Oracle Enterprise Linux 4
- RH Linux 2.6 kernel-ES and AS 4
- Red Hat Enterprise Linux v3
- Red Hat Enterprise Linux v4
- Red Hat Enterprise Linux v5
- SUSE Linux Enterprise Server 9
- Solaris 8
- Solaris 9
- Solaris 10
- Windows 2000
- Windows 2003

### Management and Administration

- Configure and retrieve information about available and failed paths
- Set load-balancing policies
- Retrieve performance statistics
- WWN to hostname mappings
- Perform manual path failover

### Cluster Support

APM supports the following clustering solutions:

- Microsoft Cluster Services (MSCS)
- HACMP for AIX

### For More Information:

Contact Pillar Data Systems at 1.877.252.3706 or visit [www.pillardata.com](http://www.pillardata.com)

Pillar Data Systems takes a sensible, customer-centric approach to networked storage. We started with a simple, yet powerful idea: Build a successful storage company by creating value that others had promised, but never produced. At Pillar, we're delivering the most cost-effective, highly available networked storage solutions on the market. We build reliable, flexible solutions that, for the first time, seamlessly unite SAN with NAS and enable multiple tiers of storage on a single platform. In the end, we created an entirely new class of storage. [www.pillardata.com](http://www.pillardata.com)

