

EMC Implementation Service Options for Celerra Multi-Path File System

Quick Start and customized design and implementation engagement

EMC® Global Services offers the capabilities and expertise to deliver comprehensive solutions to help customers realize the performance enhancements and savings associated with EMC Celerra® Multi-Path File System (MPFS). EMC Celerra MPFS and Multi-Path File System over iSCSI (MPFSi) enable small-to-large enterprise applications to share files across tens of thousands of clients while delivering the world's leading aggregate performance. With MPFS and the EMC Celerra family of file servers, applications can now realize the benefits of both NAS file sharing and the performance of block access through iSCSI or Fibre Channel.

EMC Global Services has developed the capabilities and optional offerings to assist customers with the implementation of their MPFS solutions. For larger, more complex environments, EMC offers a customized service engagement, including a full assessment of your current operations, project management, and full implementation of MPFS across your IP and Fibre Channel storage systems. For smaller implementations, EMC offers a Quick Start, fixed-price implementation service. Whether your environment includes EMC Celerra, CLARiiON®, or Symmetrix® storage systems, EMC service professionals have the training and certification to help you maximize your investment, get up and running quickly, and provide the necessary support for your ongoing operations.

EMC Celerra MPFS: leveraging SAN and NAS to optimize performance

Celerra MPFS is a topology made up of hardware and client/server software components based on two configurations—Gateway and Integrated. The Gateway solution is designed to maximize the number of clients and throughput. It typically includes an EMC Celerra NSX Gateway, multiple EMC Symmetrix or CLARiiON back-end storage systems, and client and application servers with MPFS agents installed.

The Integrated solution is designed for up to 30 clients and includes an EMC Celerra NS40 with the FC/iSCSI option. The clients or application servers with MPFS agents also have an iSCSI initiator installed. For both the Gateway and Integrated solutions, the MPFS client software is loaded on only those clients targeted to benefit from the improved performance levels.

Accelerate your results with EMC's Quick Start or customized design and implementation services

EMC Global Services professionals are prepared to deliver an MPFS solution and the associated bottom-line results to you—increased performance, security, and integrity in data transfers to your clients and application servers. EMC service professionals have received extensive training across storage technologies as well as specialized training in NAS and MPFS. They bring experience in multiple MPFS deployments and have unlimited access to proprietary best practices and intellectual property in order to maximize utilization of the MPFS features and reduce pressure on in-house staff.

If you are implementing MPFS in an environment with more than 12 file systems, EMC Global Services offers EMC Design and Implementation Service for Celerra MPFS, a customized service to address your specific environment, configuration, and performance requirements. Additionally, we offer a fixed-scope, EMC MPFS Quick Start service which includes the implementation and configuration of the Celerra NS40 within an iSCSI LAN. This service enables a shared storage environment for up to 12 Common Internet File Sharing (CIFS) or Network File System (NFS) file systems.

What this mean to your operations:

- Improved access and information sharing, scalability, and performance
- Reduced complexity associated with managing multiple and distinct storage area networks based on different protocols
- Asset protection associated with your existing and future investment in storage systems

EMC Global Services has developed the intellectual property, skills, best practices, and resources to expertly implement Celerra MPFS into your environment. Proven processes and methodologies enable our project delivery teams to accelerate the business results you need without straining the resources your have.

Project scope

EMC Global Services will work closely with your staff throughout the engagement to assure clear communications of the objectives, scope of work, on-going progress, and ultimate finalization of the project. Your environment and selection of the customized or fixed-scope service will drive the engagement. Specific deliverables are presented in a documented statement of work to assure mutual understanding of the proposed project scope and timelines. Once the scope and timelines are agreed upon, EMC will coordinate and perform the following:

Discovery and Analysis

Our technical consultants will meet with you and your support team to carefully plan and design your MPFS implementation, resulting in a thorough statement of work. Once you have reviewed and approved the statement of work, we develop a configuration guide and schedule the implementation.

Planning

EMC Global Services will survey your systems and software and validate that your environment is ready for MPFS implementation into your storage environment. We will document a configuration guide based on the identified requirements and statement of work.

Implementation and Testing

The implementation service includes installation of the MPFS components, including client software and configuration of network interfaces, including iSCSI ports (if applicable), and building an agreed upon number of file systems. Additionally, the SAN storage elements will be presented to the Celerra systems. Once the MPFS solution is installed, we perform acceptance validation and testing.

Documentation, Functional Product Overview, and Acceptance

After installation is complete, EMC will perform a functional overview of the MPFS features with designated members of your IT staff. Throughout the engagement, as appropriate, we will deliver all applicable documentation, including product guides, customer configuration documents, software installation guides, and an MPFS best-practice white paper. We will also recommend additional EMC technical training and education courses available to your staff to ensure you continue to maximize the operational benefits from your investment in MPFS.

Look to EMC Global Services to deliver results

EMC Global Services delivers results to our customers throughout the information lifecycle. Our platform-independent consulting practice helps companies maximize the strategic benefit of their information and align storage technologies with their business goals and objectives. Our Global Services Practices deliver comprehensive storage services to address focused technology-based solutions—everything from storage planning and design to backup/recovery, data archiving, and information security. EMC Global Services also encompasses post-implementation support and maintenance to maximize your on-going operations.



EMC Corporation
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America 1-866-464-7381
www.EMC.com

Take the next step

To learn more, contact your local EMC sales representative or authorized value-added reseller, call us at 1-866-464-7381, or visit our website at www.EMC.com.