



Datasheet

# Storage Optimization Services

Storage Function Review, Workload Characterization Review, and Operations Consulting Service

## Key Benefits

### Enhance Delivery of Storage Services

Leverage NetApp expertise to create a plan for more effective IT storage service delivery.

### Optimize Performance

Take advantage of NetApp expertise to align storage resources with actual workload demands.

### Improve Operational Capabilities

Minimize disruption by proactively addressing potential events, incidents, and problems.

## The Challenge

### Don't let your storage infrastructure hold your business back

Supporting exponential data growth while providing nonstop operations is a challenge that many IT departments face. Providing such service with the existing storage environment can seem impossible when routine storage tasks take too long and performance is both unpredictable and lower than anticipated.

Poor or undefined processes and procedures coupled with an overworked IT staff can result in limited time or limited expertise to diagnose issues, perform expert assessments, and create recommendations to remedy the situation.

Many organizations are launching initiatives to modernize their IT infrastructure. The promise of nonstop operations and seamless scalability make a powerful case for transitioning to NetApp® ONTAP® software.

ONTAP provides built-in resiliency, nondisruptive maintenance, and workload balancing. To fully leverage the benefits of the ONTAP data management software, however, you need in-house expertise in clustered storage management and workload characterization.

## The Solution

### Achieve nondisruptive operations without compromising performance

With assessment and guidance from NetApp Services experts, you can achieve nondisruptive operations and accelerate your return on investment. We can help you develop the capabilities that you need to maintain storage systems, sustain optimal performance, and improve operational efficiency.

The NetApp Storage Optimization Services portfolio consists of three services:

- Storage Function Review
- Workload Characterization Review
- Operations Consulting Service

Each offering can be performed as a standalone service or in conjunction with the other optimization services.

With these services, you can leverage the skills and knowledge of NetApp Services experts to analyze storage functions, perform workload characterizations, and create action plans to optimize your storage environment. By implementing the recommendations from our consultants, you can put your IT organization on the path to success.

Use our best practices, tools, and knowledge transfer to enhance the capabilities of your IT staff. You can optimize your existing storage infrastructure and more effectively manage a new ONTAP software environment.

### **Storage Function Review**

#### **Improve delivery of storage services**

The Storage Function Review helps speed delivery while lowering the cost of storage services. By allowing NetApp Services experts to assess your storage and management capabilities—including inputs, procedures, alerts, and reports—you increase visibility into your business and IT processes. Implementing our actionable findings and recommendations can help you achieve best-in-class operational service.

The Storage Function Review provides insights for improvement in the following areas:

- Event, incident, and problem resolution procedures
- Process interaction diagrams
- Configuration audits
- Compliance audits

### **Workload Characterization Review**

#### **Optimize performance**

Achieving nondisruptive operations without focusing on workload characterization can affect performance. The Workload Characterization Review helps align workload demands with your storage infrastructure capabilities.

A thorough review of aggregate and volume demand levels by NetApp Services experts confirms that the recommended design configurations will support your actual workloads. This review reduces risk as you transition to the ONTAP software. Implementing our actionable findings and recommendations can help you optimize your workload balance.

The Workload Characterization Review provides actionable recommendations for aligning storage workload demand and capability, including:

- Capacity and performance by workload type
- Mixed and unknown workloads
- Aggregates at risk and contributing volumes
- Associated presentation
- Detailed analysis

### **Operations Consulting Service**

#### **Implement Storage Function and Workload Characterization Reviews**

The Operations Consulting Service helps you by implementing the findings and the recommendations that are identified during the Storage Function Review and Workload Characterization Review.

With guidance from NetApp Services, your IT staff can learn how to use our tools, templates, and best practices to boost storage management capabilities and increase workload performance. With the ability to proactively address potential events, incidents, and problems before they cause disruption, you can improve operations.

### **Related Services**

NetApp offers a complete portfolio of services to help you with your transition to ONTAP.

#### **ONTAP Readiness Assessment Service**

NetApp Services experts perform a customized assessment of your storage environment, identify gaps, and create actionable recommendations for preparing the environment for migration from NetApp to NetApp.

#### **Services for ONTAP Transition**

Services experts use proven methodologies and best practices to smooth your transition with minimal disruption to daily operations, while maintaining existing storage efficiencies.

#### **Residency Services**

NetApp resident experts manage your steady-state environment to reduce operational risk, improve use and storage efficiency, and help control costs.

PHASE	STORAGE FUNCTION REVIEW	WORKLOAD CHARACTERIZATION REVIEW
1. Discover	NetApp experts interview your storage management staff and your IT infrastructure director to appraise the operational capabilities of the group.	NetApp experts run data collection scripts to collect key performance metrics from your environment.
2. Analyze	Experts analyze the data that they collected during the Discovery phase. They compile findings and recommendations.	Experts analyze data collection scripts that contain configuration information. They appraise IT workloads at the aggregate and volume demand levels by workload type. Then they compile findings and recommendations.
3. Advise	Experts document their findings, including a storage management capabilities baseline with inputs, procedures, alerts, and reports. They develop actionable recommendations to boost storage management capabilities and to improve the delivery of storage services.	Experts document the findings, including a baseline of current-state demand that is mapped against disk-level capability. They create actionable recommendations to help the storage environment meet actual workload demands.
4. Close Out	After you sign off, NetApp Services delivers a certificate of completion and hands off documentation to you.	

**Table 1) Service delivery model for Storage Function Review and Workload Characterization Review.**

### Streamlined Review Process

The NetApp Storage Optimization Services delivery model for the Storage Function Review and the Workload Characterization Review consists of four phases. Each phase is performed by NetApp Services experts who use our best practices and tools to help you improve workload balance and storage management capabilities. A quarterly review option is available.

### About NetApp Services

#### Gain greater business value from your investment

Whether you are planning your next-generation storage system, need specialized know-how for a major storage deployment, or want to optimize the operational efficiency of your existing infrastructure, NetApp Services and NetApp certified partners can help.

### Get Started Today

To learn how your IT environment can help achieve the outcomes that matter most to you, contact your local NetApp sales representative or visit [www.netapp.com](http://www.netapp.com).

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### About NetApp

Leading organizations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future.

[www.netapp.com](http://www.netapp.com)

