



NetApp®

Brochure

NetApp OnCommand Management Software

Delivering storage and service efficiency



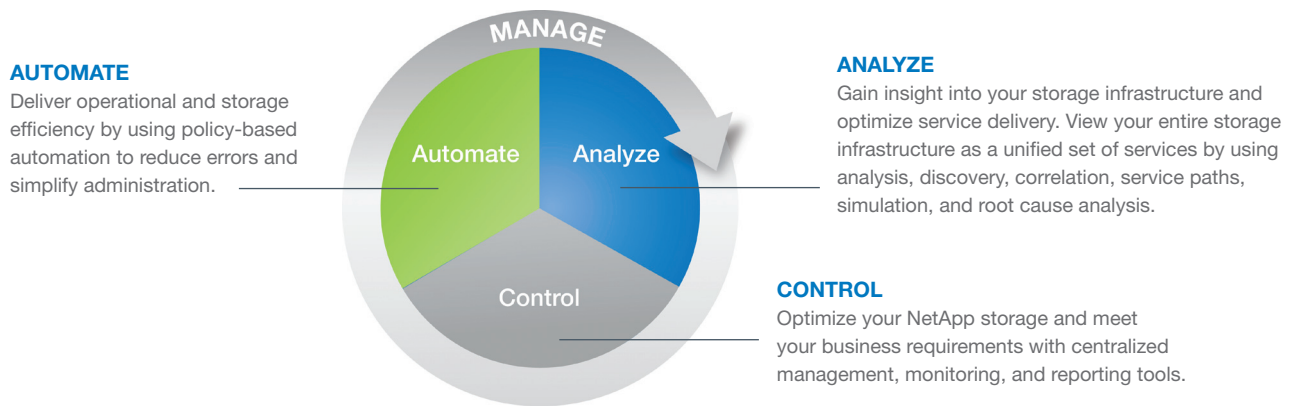


Figure 1) NetApp OnCommand management functions.

KEY BENEFITS

Simple

Reduce complexity and manage storage as a single pool across NAS and SAN with the NetApp single unified approach—the most effective storage infrastructure for virtualized data centers.

Efficient

Optimize storage and service efficiency and reduce overall IT spend by using policy-based automation and analytics.

Flexible

Extend IT management and service delivery to storage with our open integration model for third-party management platforms and hypervisors.

We are on the verge of an IT revolution. Enterprises everywhere are moving to dynamic, virtualized environments that enable on-demand services and turn IT into a business asset. Shared infrastructures promise to drive down costs and increase flexibility, but they can also introduce complexity, risk, and inefficiencies that strain budgets and administrative resources. The move from application-based silos to virtualization requires a shared storage infrastructure to fully realize the benefits of reduced cost and increased flexibility. The NetApp® OnCommand™ family of management software helps maximize storage and service efficiency so you can get the most from your shared storage infrastructure.

OnCommand: Simple, Efficient, and Flexible

The more information you have about your storage infrastructure, the better equipped you are to effectively manage it. OnCommand management software helps improve storage and service efficiency with functions that help you control, automate, and analyze your shared storage infrastructure. OnCommand tools offer simplified, effective, cost-efficient management of your shared storage infrastructure so you can optimize utilization, meet SLAs, reduce risk, and boost performance.

Control—optimize your NetApp storage

OnCommand helps you realize all the benefits of the NetApp Unified Storage Architecture by optimizing utilization and minimizing the time, resources, and effort of managing your storage and services. Overall, you'll buy less storage and increase the efficiency and productivity of your IT staff, freeing up resources to invest in the future.

With OnCommand, it is quick and easy to set up and manage NetApp storage systems. To save time and prevent configuration errors, OnCommand offers recommendations based on NetApp best practices for common storage management tasks and workflows. It also provides workflow-based wizards to simplify the most common device-management tasks. Monitoring tools and dashboards offer a quick and easy view into the health, performance, and efficiency of any NetApp storage system. Embedded alerts, reports, and performance and configuration tools enable administrators to monitor, track, and tune the storage infrastructure to maximize availability, increase storage efficiency, boost system performance, and create chargeback schemes for users.

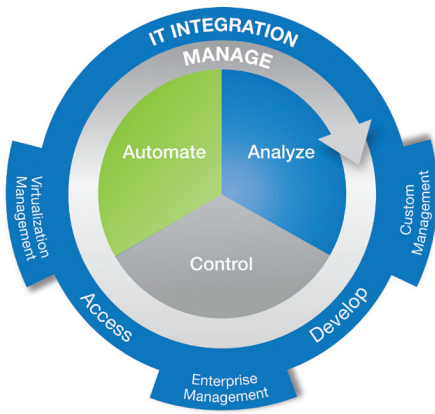


Figure 2) NetApp OnCommand product portfolio capabilities.

MANAGE		
	Control	System Manager My AutoSupport™
	Automate	OnCommand SnapManager® software
	Analyze	OnCommand Insight Balance OnCommand Insight Assure OnCommand Insight Perform OnCommand Insight Plan
IT INTEGRATION		
	Access	OnCommand plug-ins for VMware® OnCommand plug-ins for Microsoft
	Develop	OnCommand SDK

Figure 3) NetApp OnCommand product portfolio.

To help you gain more efficiency without buying more storage, OnCommand also offers a suite of Web-based applications for effective capacity planning, proactive identification of at-risk systems, and performance trending of NetApp storage systems. The storage efficiency profiling feature highlights raw and effective storage to provide at-a-glance capacity allocation and the storage efficiency ratio, and a drill down of storage utilization and efficiency ratios. The dashboard highlights storage savings that are achieved by using NetApp technologies.

Automate—deliver operational and storage efficiency

System downtime caused by improper provisioning can result in lost revenue and SLA violations. OnCommand unifies operations, provisioning, and protection capabilities to enable storage administrators to quickly manage volumes while improving capacity utilization. A single dashboard provides a full picture of NetApp storage resources and lets administrators drill down to detailed system information and take action. OnCommand automates storage provisioning workflows to reduce the risk of human error, minimize unplanned downtime, boost productivity, and enable you to meet SLAs.

Keeping your data protected requires effective management tools and transparency throughout your secondary storage tier. NetApp OnCommand offers a simple, efficient, and dependable process to extend protection coverage and increase secondary storage efficiency. Policy-based automation simplifies and streamlines your data protection environment, so you can increase the overall success of your backup and recovery operations and reduce your secondary storage needs.

Automation of the complex, manual, and time-consuming processes associated with backup, recovery, and system copy creation lets you perform fast, frequent, nondisruptive backups throughout the day, without affecting system performance. With frequent and nondisruptive backups, OnCommand helps application administrators meet recovery time objectives and recovery point objectives.

OnCommand also includes automation tools that simplify application data management and maximize storage utilization to help drive down the cost and complexity of managing your storage infrastructure. To help you better meet SLAs, OnCommand enables continual data access for applications, rapid backup and restores, and replication for business continuance. With policy

and workflow automation, you can free storage administrators to focus on more strategic tasks by delegating storage provisioning tasks to individual server and application administrators—without increasing risk or complexity. Integration with Microsoft® Exchange, Microsoft SharePoint® Server, and SAP® applications means that database cloning, backup, and restore operations can be completed in minutes or seconds, compared to hours or days using solutions from other vendors.

An innovative means to automate usage is through the Storage Service Catalog, an OnCommand capability that allows the integration of storage provisioning policies, data protection policies, and storage resource pools into service offerings that administrators can choose when provisioning storage. This abstraction between defined services and physical storage streamlines and optimizes the allocation of resources, while providing the benefit of 24/7 user self-service.

Analyze—gain visibility and insight into your infrastructure

OnCommand service analytics align business intelligence with business strategy by improving the visibility of shared infrastructure assets so that you can quickly understand application workloads, availability, performance, and utilization service information

across your virtualized data center. By aligning storage resources with application service levels, OnCommand service analytics provide you with key performance indicators and critical decision-support metrics to help improve infrastructure service levels across applications, business units, data centers, and storage tiers.

With OnCommand Insight, you can deliver storage as a true end-to-end service with path-based service policies, violations and vulnerabilities, and change-planning and impact-analysis capabilities. OnCommand gives you global visibility into storage resource allocation and helps you achieve better capacity utilization, make smart capacity purchase decisions, and mitigate risks relating to the capacity provisioning process.

OnCommand also helps you continually improve storage efficiency and reduce costs by identifying, planning, forecasting, and providing the right amount of data on the right platform. You'll experience cost savings by identifying orphaned volumes attached to unused VMs. In addition, OnCommand Insight enables storage chargeback through continuous monitoring and accurate analysis of usage by applications, tiers, business unit, and tenant.

Root cause analysis helps you gain immediate insight into problems and enables quick remediation.

Easy Integration With IT Management Tools

In addition to innovative management solutions, OnCommand offers an integration strategy to give your existing management tools from companies such as VMware, Microsoft, Citrix, BMC, and CA the same level of storage access and control.

Open management interfaces offer fast integration and greater storage abstraction to leverage all management capabilities of OnCommand. Plug-ins integrate NetApp features with popular third-party tools and software development kits (SDKs) to make it easier for independent software vendors or in-house development teams to build custom controls for NetApp hardware and software.

The OnCommand SDK provides all the functionality necessary to monitor and manage NetApp hardware, plus full integration with OnCommand control, automate, and analyze functions.

Learn More

To learn more about how NetApp OnCommand management software can help you create a more flexible and efficient IT that enables you to do more, faster, contact your local NetApp or partner sales representative.

Go to www.netapp.com/oncommand to find out more about OnCommand software.

About NetApp

NetApp creates innovative storage and data management solutions that deliver outstanding cost efficiency and accelerate business breakthroughs. Discover our passion for helping companies around the world go further, faster at www.netapp.com.

Go further, faster®

