

SOLUTION BRIEF

NetApp AFF All SAN Array

For mission-critical enterprise applications. Dedicated SAN storage (FCP, iSCSI).



The challenge

Enterprise customers typically have both SAN-based workloads (ERP, databases, VDI) and unstructured data NAS workloads in their environment.

NetApp provides customers with a consolidated NetApp® ONTAP® based AFF or FAS platform that supports both SAN and NAS workloads concurrently, greatly simplifying deployment and operational costs.

However, some customers prefer or require to separate these workloads based on their internal policies—dedicated storage for SAN and dedicated storage for NAS. A recent study of enterprise customers showed that more than 30% of surveyed customers prefer this approach.

Business unit leaders often have the autonomy to allocate the resources they decide are needed to support specific initiatives. By coordinating with their counterparts in IT, they can dedicate resources to ensure that specific workloads run at optimal performance under all circumstances.

The solution

NetApp® AFF All SAN Array (ASA) delivers a simplified and dedicated SAN experience that provides continuous data availability for enterprise mission-critical databases and other SAN workloads via FCP or iSCSI protocol. Like all NetApp AFF systems, it offers market-leading performance, with inline storage efficiency, encryption, and active data protection.

The ASA features a symmetric active-active controller architecture to ensure continuous access to your data during planned and unplanned outages, including upgrades and maintenance. With best-in-class data services integration with Oracle, SAP, and Microsoft SQL Server databases, plus VMware and other leading hypervisors, ASA delivers accelerated time to value for enterprise database applications.

Key benefits

- Continuous data access during unplanned storage or path outages and planned upgrades and maintenance.
- The symmetric active-active architecture enables data access using paths from either controller to all LUNs, which means that there will always be active available paths.
- Market-leading performance, with storage efficiency, encryption, and data protection.
- Connect effortlessly to the cloud with leading integration to Amazon AWS, Microsoft Azure, Google Cloud, and others.

The All SAN Array is an HA pair with both active controllers equally capable of communicating to a LUN. This symmetric active-active configuration provides uninterrupted access to your LUNs, with virtually instantaneous failover recovery. The systems are simple to configure, provision, and manage for IT staff without the need for storage-specific skills. The new System Manager interface makes the user experience especially easy and intuitive, and all the rest of the ONTAP data management capabilities are built in. It's a dedicated and simple SAN experience, enabling customers to configure a SAN in just five steps.

NetApp offers a number of options for extending the ASA to the hybrid cloud with Amazon Web Services (AWS), Microsoft Azure, Google Cloud, and other leading cloud providers. For full information, read all about Cloud Volumes ONTAP.

NetApp's leadership in the hybrid cloud environment gives CIOs and other IT leaders optimal control over their strategy, seamlessly mixing on-premises and cloud technologies to deliver maximum performance, security, and cost efficiency. There's no better way to future-proof your infrastructure investments.

Available NetApp All SAN Array models are ASA AFF A800, A700, A400, A250, and A220.

About NetApp

In a world full of generalists, NetApp is a specialist. We're focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world's biggest public clouds.

As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services, and applications to the right people—anytime, anywhere.

