Situation Brief

5 Circumstances That Call for an Advanced Data Fabric

What is an advanced data fabric and when is it needed?

Here are five situations that are effectively addressed with NetApp Data Fabric, which allows workloads to be placed anywhere—bare metal systems, hyperscale environments, and private/public/hybrid clouds—with data portability and seamless management across all of them.

SITUATION	WHAT'S NEEDED	HOW NETAPP DATA FABRIC CAN HELP
1. Deployment of a new database environment	Deploying a new database requires regression testing to ensure existing applications will perform well in the new environment. But many don't want to tie up existing compute resources or purchase additional resources for this short-term testing.	NetApp Data Fabric spans on-premises and cloud environments, and allows a production environment to be mirrored in the cloud. Regression testing can then be performed in the cloud—without impacting on-premises resources or necessitating additional capital investments.
2. A desire to speed up—and reduce the risk of—software innovation	Unproven code and novel ideas can help a company develop new capabilities and carve out competitive differentiation. But they can also bring a shared DevTest environment down and hinder all software development efforts in the process. What's needed is a safety zone to try new things and test new code—quickly and without risk.	With NetApp Data Fabric, development teams can easily partition their existing DevTest environment or quickly create separate environments to test new code, new functionality, and new features. This allows organizations to speed up their innovation efforts and try new things without the possibility of impacting other software development activities.
3. Diminishing capacity and overextended IT resources	To avoid costly capital investments and infrastructure expansion, many organizations seek to free up existing capacity. Because backups can hog infrastructure resources for long periods of time, speeding them up can provide immediate and cost-effective capacity relief.	Some backups take more than 24 hours and tie up available compute, network, and storage resources. Conversely, NetApp Data Fabric backups take less than two minutes on average and are performed entirely in the storage environment. This frees up a tremendous amount of capacity and helps avoid additional IT investments and deployments.
4. A mandate for better data protection and disaster recovery	Disaster recovery (DR) data centers are essential, but what happens when they are impacted by an environmental, electrical, or human event? For utmost data protection and recovery, many organizations are seeking secondary DR resources—a safety net for the safety net.	With NetApp Data Fabric, workloads and data resources are easily copied and stored anywhere—on-premises, offsite, or in the cloud. This means a DR data center can be easily mirrored in the cloud for maximum data protection. And data recovery happens in minutes, not hours.

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5. The need to modernize—and reduce the cost of—an existing data environment	Older data environments and engineered appliances can be fairly rigid and very costly. Many organizations need to increase their workload flexibility and reduce operating costs.	NetApp Data Fabric provides a modern data solution at a much lower cost than many legacy systems. With no charge per disk, no mirroring requirements, and no enterprise licenses, it immediately reduces operating expenses. And because workloads can be placed anywhere, NetApp Data Fabric provides tremendous flexibility and data management efficiency.

About NetApp Data Fabric

NetApp Data Fabric simplifies and integrates data management across cloud and on-premises environments to accelerate enterprise applications, modernize data infrastructures, and transform data protection. The NetApp Data Fabric delivers consistent and integrated hybrid cloud data services for data visibility and insights, data access and control, and data protection and security. Unleash the power of your data to achieve new efficiencies and competitive advantages.

To learn more, visit www.netapp.com/datafabric.

To schedule a personal consultation and demo, contact your local NetApp representative.