



Datasheet

Data ONTAP Edge

Build a data center on a server with
NetApp fundamentals

Key Benefits

- Add a virtual NetApp® storage system to any office that has an enterprise-class server. Data ONTAP® Edge runs in a virtual machine and offers transparent data efficiency, flexibility, and protection as standard features.
- Distributed data center management and edge-to-core data protection provide affinity to your NetApp FAS infrastructure.

Your Data Center Is Built on NetApp

Now you can have NetApp storage services in every office

As a NetApp customer, you already know how our storage systems increase productivity and protect your data while reducing your storage footprint and saving money. You wish that you could use NetApp storage everywhere, but smaller offices often don't have space for or don't warrant a computer room. In fact, some offices have just a single server that is backed up to tape by an employee as part of the job—when that employee remembers.

Data ONTAP Edge is a cost-effective remote office storage solution that runs in a virtual machine on the VMware vSphere platform. Designed to complement NetApp FAS storage, it delivers enterprise-class data management and protection to environments that don't warrant a dedicated NetApp storage system.

Push NetApp Fundamentals to the Edge

Extend data protection to every office

If you already have an enterprise-class server in an office, you probably have everything you need to run Data ONTAP Edge. Data ONTAP Edge converts the server's internal disk drives into a flexible storage platform, giving you many of the same benefits as a dedicated NetApp storage system. Included are the NetApp Data ONTAP-v™ operating system with native data deduplication and FlexClone®, SnapVault®, SnapRestore®, and SnapMirror® software, which leverage your central site's NetApp storage system to back up, replicate, and archive remote site data to meet regulatory requirements and help prevent data loss.

Storage Protection and Efficiency at the Edge

Why settle for anything less?

Does your current server allow you to pool your physical disks and create virtual volumes of almost any size? Are you able to realize maximum storage efficiency? With Data ONTAP Edge, you get the same levels of efficiency and flexibility that Data ONTAP provides in your data center. FlexVol® technology enables you to create virtual volumes that you can provision and manage independently from physical storage. Additional features such as NetApp Snapshot® and built-in data deduplication let you store far more data on your server-based internal storage. Built on the NetApp WAFL® (Write Anywhere File Layout) foundation, Data ONTAP Edge gives you true edge-to-core data protection with maximum affinity to your existing FAS infrastructure.

FEATURES AND REQUIREMENTS

	VALUE BUNDLE	PREMIUM BUNDLE
Data ONTAP-v	iSCSI, CIFS, NFS, Snapshot, FlexVol, deduplication, SnapRestore, FlexClone	
SnapVault	Primary (requires active relationship with FAS)	Primary and secondary
SnapMirror	No	Yes
Maximum capacity	10TB	10TB
Technical requirements (see IMT for platform support)	<ul style="list-style-type: none"> Memory required by VM: 4GB/8GB* Virtual CPUs required by VM: 2 Hardware RAID with battery-backed cache 	

*8GB required for use with clustered Data ONTAP

Data Center on a Server

A one-box branch office data center

Data ONTAP Edge allows you to build a data center on a server by using your enterprise server and the VMware vSphere platform. The result is that your remote offices can fully participate in your shared IT infrastructure without compromise.

Efficient Backup and Replication Are Built In

NetApp Snapshot software protection

NetApp Snapshot software and SnapVault disk-to-disk backup efficiently copy and move backup information to your central site NetApp storage system, where it can be archived or spun to tape. If you need to recover your local branch office data, SnapRestore software can use local Snapshot copies to recover entire file systems or data volumes in seconds, regardless of capacity or number of files. If you need a disaster recovery solution, a model of Data ONTAP Edge is also available with SnapMirror.

Increase Productivity Without Increasing Cost

Ease development and testing

Perhaps your remote office is developing software or is testing new applications—or even deploying virtual desktops. NetApp FlexClone technology instantly replicates data volumes and datasets. Each cloned volume is a transparent virtual copy that you can use for your essential business operations, increasing productivity and saving storage space without compromising performance. Although traditional approaches to development and test activities require physical copies of databases and test software, with FlexClone you can create multiple virtual copies of your datasets in minutes without incremental infrastructure cost.

What Are You Waiting For?

You're probably already thinking of a dozen places where Data ONTAP Edge can increase worker productivity while lowering costs. Call your local NetApp representative today to find out how easy it is to set up a flexible data center on a single server and change your views on remote office support.

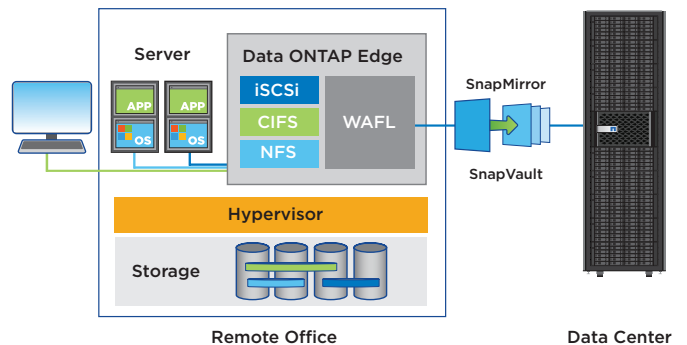


Figure 1) With Data ONTAP Edge, you can build a data center on a server almost anywhere and link it to the NetApp storage system at your central site. Data is backed up to your data center, providing true edge-to-core data protection.

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.

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