

Why HTFS for Server Virtualization

Over the past twenty years, the world around storage has gone through revolutionary change—driven by virtualization and cloud. Despite this, conventional storage is built on the same underlying architecture as it was twenty years ago.

HTBASE challenges convention with a storage system built specifically for virtualized and cloud environments.

The 'storage quo' forces you to work with physical-world concepts like LUNs, volumes, RAID, striping and more. Conversely, HTBASE lets you focus only on what matters—virtual machine. That level of granularity massively simplifies storage management, transforming it from tedious troubleshooting to hands-free and highly automated. Here are three differentiators that make HTBASEs HTFS (HyperTask File System) storage uniquely suited to support your virtualization effort:

Management:

HTFS allow companies to have VMs running in minutes. There is no complicated configuration, and the unit of management is individual virtual machines. The simplicity frees storage admins to focus on higher impact activities

Quality of Service (QoS):

HTFS assigns an individual "lane" for each VM to guarantee quality of service. That means VMs can be managed simultaneously, avoiding traffic jams and delivering a better user experience

Performance:

HTFS allows you to monitor performance gauge. With that, organizations can monitor and plan consumption. That transparency allows you never have over-provisioning.

Advanced Storage Features

- iSCSI, NFS and object storage protocol
- Unlimited virtual disk size
- Global deduplication
- Compression
- Snapshot and clones
- Tunable replication, goals and location
- Thin provisioning
- Self-healing
- I/O sequencing

How it works

HTFS software installs on x86 off-the-shelf servers or cloud instances to form a dynamically scalable storage resource pool. Support for block, file, and object storage interfaces to give you maximum flexibility for integrating an HTFS cluster.

Software specifications:

- Deduplication
- Replication
- Snapshots
- Clines

About HTBASE

HTBASE is a technology solutions company dedicated to delivering radically simplified IT infrastructure that drives business agility in any enterprise. The company's flagship software-driven platform, *Maestro* Composable Infrastructure, compose compute, storage, and true multi-cloud (public and private) integration into a single solution. HTBASE drives the faster delivery of applications, and fuels agility, operational and expenditure efficiencies to give its customers in multiple industries around the world significant competitive edge.



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