

QUICK IT GUIDE TO...

MEMORY, STORAGE, & WINDOWS SERVER 2016

Every day, IT professionals push the limits of the data center in pursuit of better integration, agility, and performance. **Windows Server 2016** provides the memory and storage features to do more – **using the hardware and expertise you already have.**

MORE MEMORY LESS DOWNTIME

Windows Server 2016 offers faster, easier, and smarter ways to allocate memory, without interrupting critical workloads or delaying projects.

WINDOWS SERVER 2016

MAXIMUM SUPPORTED MEMORY IMPROVEMENTS:

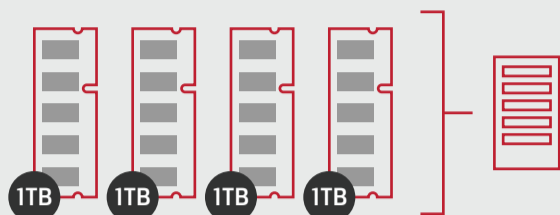


SERVER HOSTS

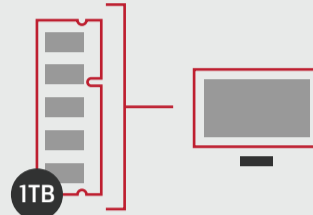


VIRTUAL MACHINES

4TB Max RAM per server host



Up to **1TB** RAM per VM



Up to **1,024** VMs per host

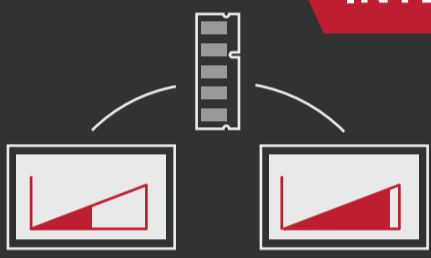


HYPER-V **64TB** VHDX (Virtual Hard Disk used with Hyper-V)

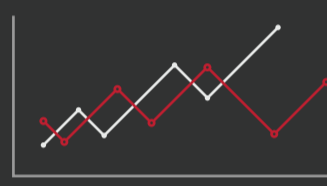


Rolling Hyper-V storage cluster upgrades

INTELLIGENT MEMORY ALLOCATION



Hot add and remove memory (Runtime Resize) and network adapters to and from VMs

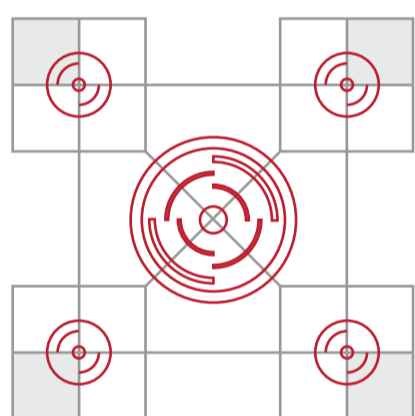


Dynamic Memory

FLEXIBLE STORAGE LOWER COSTS

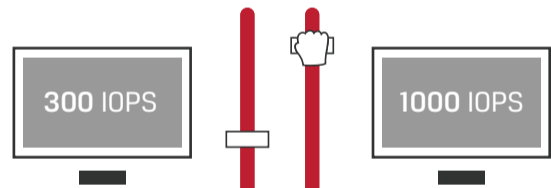
Windows Server 2016 gives you the tools to build flexible and resilient software-defined storage clusters on commodity hardware—while dropping costs.

STORAGE SPACES DIRECT



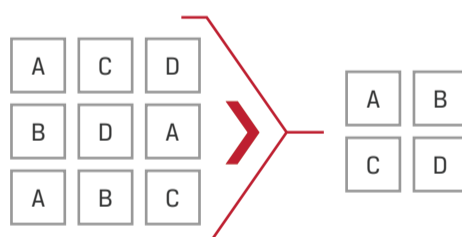
- Scale-out, redundant, shared storage
- Compatibility with JBOD arrays, x86 servers, and Hyper-V clusters you already have
- Separate, converged, or hyperconverged deployment options
- Automatic tiering for high performance

STORAGE QoS



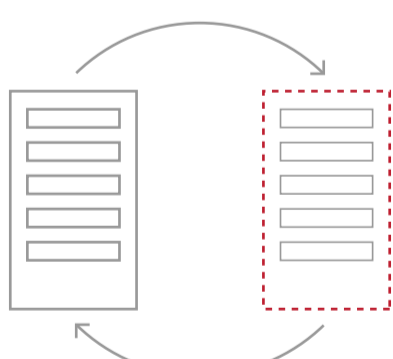
- Granular resource management to overcome "noisy neighbor" VM issues
- Policy-based to IOPS allocation among VMs to guarantee performance

DEDUPLICATION



- Works with volume sizing up to 64TB
- Multi-threaded file optimization
- Load balancing

STORAGE REPLICATION



- Block-level replication between servers or clusters
- Synchronous or asynchronous replication
- Failover between sites to protect against disaster

Windows Server 2016 and Kingston lead the way

Windows Server 2016 paves the way to the **data center of the future**, with advanced memory and storage functionality for **better performance**, **more resilience**, and lower costs.

Let Kingston take you a step further, by configuring your systems to reliably deliver the resources you need, when you need them.

Want to know more?

[Download the White Paper](#)



As the world's largest independent manufacturer of memory products, Kingston designs, manufactures, and distributes high-quality, reliable memory products for desktops, laptops, servers, printers, and Flash memory products for PDAs, mobile phones, digital cameras, and MP3 players.