

# Get more flexibility with a smaller data center footprint with the Dell EMC PowerStore 9000X

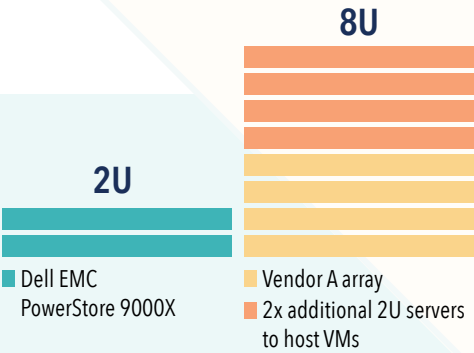
We tested the Dell EMC™ PowerStore™ 9000X against the NVMe™-based array of a competitor (“Vendor A”). The PowerStore 9000X:

- ✓ Provided better data reduction\*
- ✓ Enabled our admins to deploy a VM out of the box in less time\*
- ✓ Provided storage to external hosts with better performance while internally servicing a database workload, a capability that the Vendor A array does not have
- ✓ Took up ¼ of the rack space while running compute and storage simultaneously\*

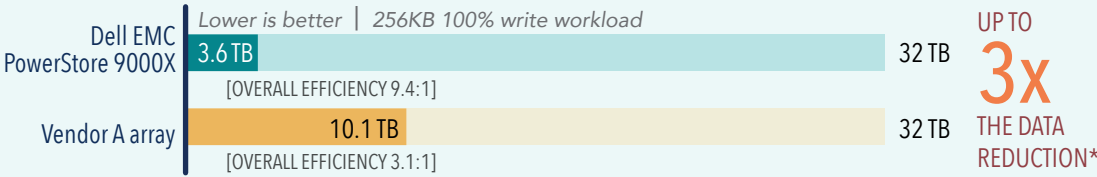


## Get up to 4x the cabinet space savings

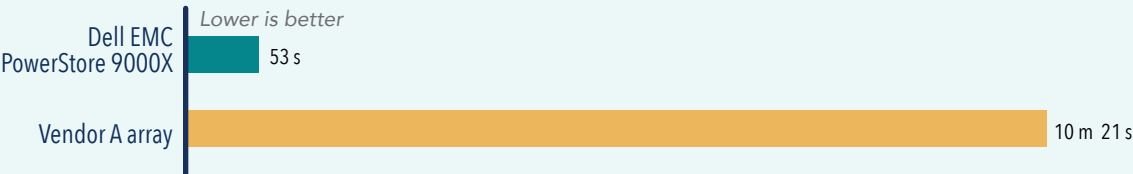
The PowerStore 9000X can provide storage resources while hosting database VMs in a 2U form factor. By contrast, deploying VMs in a high availability environment on the Vendor A array would increase the total footprint of the array to 8U.



## Maximize storage efficiency



## Deploy a VM out of the box up to 10.6x faster



Note: The PowerStore 9000X solution enabled us to deploy VMs internally, while the Vendor A array required external VMware servers to deploy VMs.



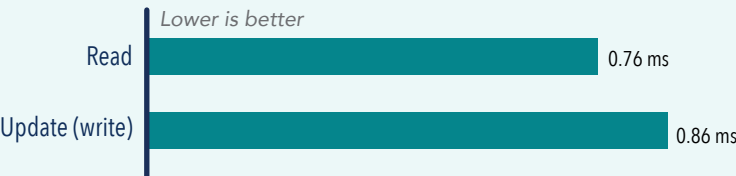
## Support typical server requests as an array while also hosting, on the array, database VMs with new AppsON

The PowerStore 9000X supported a high number of MongoDB database operations per second while also supporting storage requests from external servers.

Up to **208,178** database operations per second using a MongoDB workload via AppsON while also supporting external server requests

It maintained submillisecond read and update (write) database application latencies while servicing AppsON local array and external server vSAN array requests.

### Database application latency on the Dell EMC PowerStore 9000X

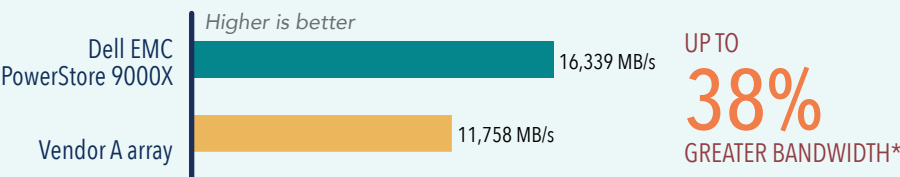


The array from Vendor A, by contrast, cannot host internal VMs or workloads.



Vendor A cannot host internal VMs, so we could not make a comparison

While supporting the MongoDB workload via AppsON, the PowerStore 9000X also sustained greater bandwidth for external workloads than the Vendor A array. (Note that the Vendor A array was not hosting VMs simultaneously, while the PowerStore 9000X was.)



## The Dell EMC PowerStore 9000X

With this offering, Dell EMC has combined all-flash storage with VMware-compatible AppsON application support in a single array. Organizations could gain a completely virtualized environment ready to host VMs and applications with minimal configuration. These capabilities could decrease hardware requirements (reducing the need to buy additional servers and switches), lower capital, operational, and licensing costs, and simplify deployment and management.

Learn more at [DellEMC.com/PowerStore](https://DellEMC.com/PowerStore)



\*Dell EMC PowerStore 9000X vs. Vendor A array  
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