



Transform the way your business uses IT

Hyper-converged IT for your Data Center

FUJITSU Integrated System PRIMEFLEX for VMware VSAN The fast track to your hyper-converged IT infrastructure

IT infrastructure deployment models in transition

While converged infrastructure deployment models have greatly improved data center operations in the last couple of years, many organizations are now looking at hyper-converged systems as the next step forward by leveraging the software defined design principles to further streamline the convergence of infrastructure. These systems are designed to be simple, resilient, and agile in order for IT organizations to respond to the needs of their business through predictable sizing and the ability to scale their infrastructure to the actual needs of their businesses.

Hyper-converged IT – the ideal virtual infrastructure for your data center

Building an hyper-converged IT environment in a do-it-yourself approach can be a complex, time-consuming and error-prone process. To mitigate the risks, Fujitsu and VMware have been working together to provide an integrated system for setting up a hyper-converged IT infrastructure delivering a next-generation virtualization platform that includes compute, storage, networking and virtualization resources: **FUJITSU Integrated System PRIMEFLEX for VMware VSAN.**

By leveraging PRIMEFLEX for VMware VSAN, IT organizations benefit from much faster time to production for deploying the core virtual infrastructure foundation for their data center. PRIMEFLEX for VMware VSAN is fully tested and delivered on the best-performing server platform for VMware vSphere – **FUJITSU Server PRIMERGY.**

The benefits

- Faster time to production for your virtual infrastructure
- Easy to order, deploy and scale
- High virtualization performance and energy efficiency
- Broad choice of deployment options

shaping tomorrow with you

Fujitsu PRIMERGY x86 servers – high virtualization performance and energy efficiency

The underlying hardware platform for PRIMEFLEX for VMware VSAN is based on Fujitsu PRIMERGY x86 servers delivering high virtualization performance, while at the same time delivering the best in terms of server density, low energy consumption, heat optimization and lower overall operational costs. Fujitsu x86 servers have a long and proven track record reflected in outstanding benchmarks, with top rankings in most VMware VMmark benchmark categories since 2011. Thanks to the Fujitsu Cool-safe® advanced thermal design, cooling costs are reduced by an additional 27 percent on top of the comparably low energy consumption.

VMware® Virtual SAN™ – software-defined storage

VMware® Virtual SAN™ is VMware's software-defined storage technology for hyper-converged infrastructures. Seamlessly embedded in the hypervisor, VMware Virtual SAN delivers enterprise-ready, high-performance shared storage for VMware vSphere® virtual machines. It leverages Fujitsu PRIMERGY x86 servers that scale easily to drastically lower TCO by up to 50 percent. Seamless integration with vSphere and the entire VMware stack makes it the simplest storage platform for virtual machines.

Broad choice of deployment options – easy to configure and order

With PRIMEFLEX for VMware VSAN, Fujitsu provides a broad range of validated server configurations (VSAN Ready Node profiles) with pre-installed software that you can choose from – based on your workload or the number of VMs you need to host. The Fujitsu System Architect enables easy access to all configurations - just activate the PRIMEFLEX for VMware VSAN catalog in the standard catalog folder, choose a configuration and, if necessary, adapt it to your specific requirements. Besides All Flash (AF4, AF6, AF8) and Hybrid (HY2, HY4, HY4, HY8) configurations, Fujitsu offers a special high-density configuration variant (CX) based on the PRIMERGY CX400 M1 server system, one smart 2U enclosure for up to four server nodes which perfectly matches the scale-out design of VMware Virtual SAN.

Elastic, granular and non-disruptive scalability

PRIMEFLEX for VMware VSAN gives you the ability to granularly scale-up or scale-out your compute and storage environment for a maximum of 64 hosts for serving up to 6400 VMs. Just add complete new hosts or as little as one disk to an existing host, and PRIMEFLEX for VMware VSAN will automatically take care of the added capacity without disruption, enabling you to grow as you go and just pay for what you actually use.

	AF4	AF6	AF8	HY2	CX	HY4	HY6	HY8
VMs	30	60	120	20	25	30	40	100
IOPS (K)	25	50	80	4	8	10	20	40
Storage (TB)	4	8	12.8	5	3.6	4	8	14.4
CPU Cores	20	24	24	6	12	16	24	24
Memory (GB)	128	256	384	64	192	128	256	384

*All specifications apply per server node

Supporting a multitude of use cases

The recommended configurations of PRIMEFLEX for VMware VSAN are designed to support a broad range of usage scenarios. Top use cases for deploying PRIMEFLEX for VMware VSAN include Virtual Desktop Infrastructures (VDI), business-critical applications (e.g., Microsoft® Exchange, Microsoft SQL Server, and Oracle), IT operations (management cluster, DMZ), remote IT (remote/branch offices), disaster recovery (multi-site stretched cluster), development, test and staging.

Single point of contact for support

Fujitsu can act as a single point of contact for both the hardware and the software – this translates into easier collaboration and support which leads to much faster resolution times.

Financing solutions from Fujitsu Financial Services

As financing is a key element of your data center infrastructure investment decision, Fujitsu Financial Services offers you a complete portfolio of IT leasing and financing solutions, as well as Trade-In and Buy-Back options. These solutions deliver benefits at every stage of the transition to your new private cloud infrastructure – from the removal of the old IT equipment and the gradual implementation of the new systems, plus a Tech Refresh option a few years down the line.

Shaping the future of your IT infrastructure together with you

By choosing Fujitsu for your VMware project, you will profit from 30+ years of experience in delivering data center infrastructures and services. For more than a decade Fujitsu and VMware have maintained a long-standing strategic partnership. Being among the first global partners worldwide, Fujitsu has established a portfolio of integrated systems with the broadest alignment to the VMware portfolio – spanning from desktop and server virtualization to the cloud.

"The raw performance of PRIMEFLEX for VMware VSAN is extraordinary, and we now supply cloud services to five different media companies which each have their own virtual data center. This enables them to broadcast valuable content in a totally secure and seamless fashion."

Martin Bradburn, CEO, Pea Soup

<http://www.fujitsu.com/global/products/computing/integrated-systems/vmware-vsan.html>

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