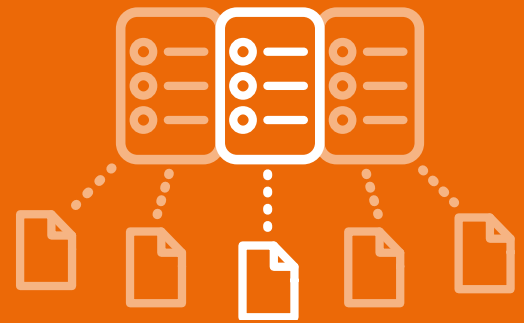


# Adding Software-Defined NAS to Extend Your VDI Deployment on Cisco HyperFlex

Certified NexentaStor VSA on Cisco HyperFlex to Enable Enterprise Features for your File Share, User Profiles, Home Directories and more.



## Enterprise File (NFS and SMB) to Enhance the Simplicity, Scalability and Security of Cisco HyperFlex

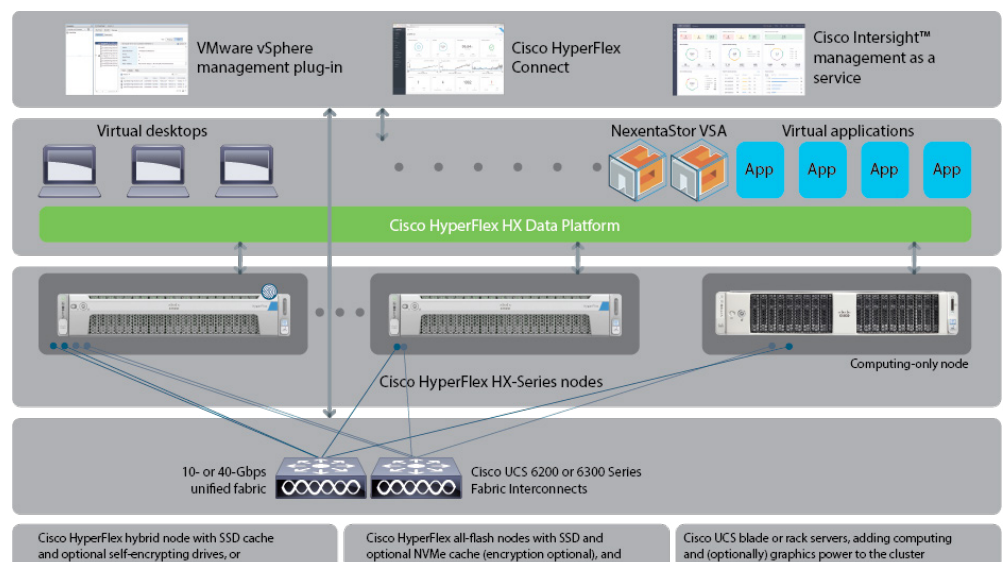
Nexenta’s software-defined storage (SDS) enhances the capabilities of your Cisco HyperFlex system to deliver more agility as you grow your Virtual Desktop Infrastructure (VDI) environment, at low costs, further simplifying your datacenter. This tested, validated and ready to deploy model is based on Nexenta’s award-winning, SDS.

Modernizing your infrastructure is meant to be a simple, painless action, yet so many businesses compromise to do so. Today’s enterprises are realizing that Cisco HyperFlex is a great way to modernize your systems - to make them more efficient, to simplify deployments, lower costs and risks and increase performance to meet user requirements. Through Cisco HyperFlex, enterprises can use virtual desktops that would otherwise be complex and expensive. Complete VDI solutions require enterprise grade file services. Previously this meant adding a traditional appliance, or physical storage filer, that required different management and architectures.

This, in turn, added complexity and additional costs that ultimately cancelled out the benefits of deploying the VDI environment in the first place.

## Fully Certified and Tested Solution by Cisco

Cisco’s HyperFlex system in combination with Nexenta, the global leader in SDS, solves this issue. Nexenta’s full-feature, SDS product for enterprise file-based applications - NexentaStor - deployed as a virtual storage appliance, fulfills file needs while emphasizing and leveraging the investment on HyperFlex.



## Technical Benefits



Enterprise SMB  
& NFS Features  
for your VDI



VMware  
Integration &  
Management



Reduced Risk  
for Virus and  
Malware on  
your File Data



Integration to  
the Public Cloud

## Challenges Addressed

Combining NexentaStor virtual storage appliance (VSA) and Cisco's HyperFlex, your enterprise will reap the benefits of a hyper-converged infrastructure, whilst keeping file services in the same system. This comprehensive solution enables centralized management through VMware vCenter so that IT teams can benefit from one, simple-to-manage platform.

HyperFlex in combination with NexentaStor VSA eliminates the need to buy more hardware, allowing you to simplify your data center further and grow the number of virtual desktops seamlessly. Moreover, this means that enterprises don't have to compromise on features such as integration with active-directory, snapshot and replication when a hyper-converged system is deployed by itself. With Nexenta's SDS, modern enterprises can achieve both.

## HyperFlex with NexentaStor VSA Benefits

- High-performance NFSv3, NFSv4, SMB 2.1 and SMB 3
- Microsoft AD, LDAP and Kerberos integration
- Concurrent NFS & SMB sharing
- Simplicity to manage through NexentaFusion or vCenter Plugin
- Inline IO acceleration improving performance
- Capacity savings inline data reduction
- Integrated and scheduled snapshots
- Maintains data integrity during stressful tasks - network/disk, host recovery
- Security and domain control with AD
- High performance replication (scheduled & continuous)
- High availability on shared VMDK
- Anti-virus

## Conclusion

With Cisco's Hyperflex, in combination with Nexenta's award-winning NexentaStor deployed virtually, enterprises are empowered with a modern, versatile storage system built for VDI and complete with file services. This provides easy management of essential items, including your company's file and departmental shares, home directories and user profiles.

*"Nexenta's software makes the Cisco HyperFlex an all-inclusive, full-featured solution that doesn't compromise anything for today's modern data center, to further simplify and lower TCO for use cases like VDI."*

**Manish Agarwal**, Director of Product Management, Cisco

To access more information about the HyperFlex and NexentaStor VSA solution, visit our Cisco Partnership page at [nexenta.com/partners/solutions-cisco](http://nexenta.com/partners/solutions-cisco) or go to [nexenta.com/downloads](http://nexenta.com/downloads) for a free trial.

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