VersaStack Solution

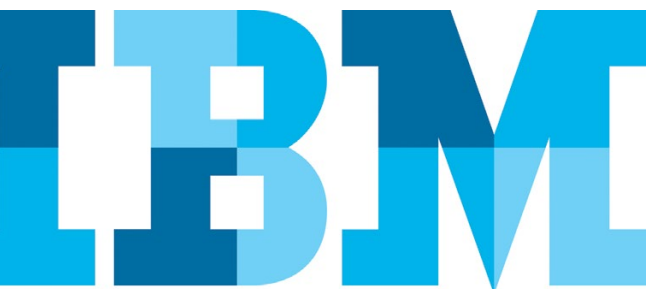*Converged infrastructure solution delivering IT simplicity and quick time to value*

Highlights

- Delivers IT simplicity with fully converged server, storage and networking

- Integrated and intuitive management eases and streamlines operations and increases productivity

- Recoup upfront investments in a few months and lower total cost of ownership (TCO) by 33 percent[1]

- Ideal solution for hybrid cloud, cognitive and virtualised workloads

- Built with IBM® all-flash or hybrid storage solutions and Cisco Unified Computing System (Cisco UCS).

VersaStack is a converged infrastructure solution of network, compute and storage for quick deployment and rapid time to value. The solution includes Cisco UCS integrated infrastructure together with IBM storage solutions built with IBM Spectrum Virtualize to deliver extraordinary levels of agility and efficiency. VersaStack is backed by Cisco Validated Designs and IBM Redbooks application guides for faster delivery of infrastructure and workload/application deployment.

Designed for dynamic organisations that want to accelerate business growth while reducing costs, VersaStack incorporates IBM all-flash as well as hybrid storage technologies into the 'single pane of glass' management environment provided by Cisco UCS Director. The solution offers quick deployment and execution of business applications – with the versatility to adapt as business priorities change. Providing an IT infrastructure that is easy, efficient and versatile, VersaStack helps accelerate data centre (DC) infrastructure deployment and helps efficiently manage information and resources amid business change.

VersaStack integrates network, compute and storage. On the storage side, IBM all-flash storage systems deliver extreme performance with a rich set of virtualisation capabilities such as storage pooling and support for almost 400 different storage systems from wide variety of vendors. They also feature IBM Easy Tier automated tiering, IBM Real-time Compression – enabling data storing up to five times[2] as much data for even the most demanding applications – and data security with encryption

for all pooled storage. On the network and compute side, this solution includes Cisco UCS integrated infrastructure, including the cutting-edge Cisco UCS and the consolidated Cisco UCS Director management interface delivering simple, integrated management. VersaStack Solution offers versatility with a choice of storage solutions built with IBM Spectrum Virtualize software to address differing customer requirements. With IBM Spectrum Virtualize, customers can choose from all-flash systems such as IBM Storwize V5030F, IBM Storwize V7000F, IBM FlashSystem V9000 or IBM SAN Volume Controller (SVC) with IBM FlashSystem 900, ensuring that VersaStack can be sized appropriately to customers' requirements.

Our all-flash storage solutions support all your applications, workloads and use cases in your cloud, virtualised and cognitive environments – enabling the enterprise to outperform its competition with confidence. VersaStack can be easily backed up with IBM Spectrum Protect software to a remote location or to service provider's public cloud.

VersaStack can be implemented with Cisco Application Centric Infrastructure (Cisco ACI) to enhance business agility by allowing IT to build, deploy, secure and maintain applications through a more agile framework. This capability, combined with Cisco Intercloud Fabric, can enable the creation of open and secure hybrid cloud-ready solutions that accelerate IT agility while delivering dramatic improvements in deployment, operation efficiency and simplicity.

VersaStack for Hybrid Cloud

Component	
Network	Cisco Nexus Cisco MDS
Compute	Cisco Enterprise Cloud Suite: • CloudCentre • UCS Director • Application Centric Infrastructure
Storage	IBM FlashSystem V9000, IBM FlashSystem A9000, IBM FlashSystem 900, IBM Storwize V7000, IBM V7000 Unified, IBM Storwize V7000F, IBM Storwize V5000 family

VersaStack with IBM FlashSystem V9000

Component	
Network	Cisco Nexus Cisco MDS
Compute	Cisco UCS VMware ESXi VMware vCentre
Storage	IBM FlashSystem V9000, IBM FlashSystem 900

VersaStack with IBM SAN Volume Controller

Component	
Network	Cisco Nexus Cisco MDS
Compute	Cisco UCS VMware ESXi VMware vCentre
Storage	IBM SVC with any supported storage (IBM or non-IBM)

VersaStack with IBM Storwize V7000

Component	
Network	Cisco Nexus Cisco MDS
Compute	Cisco UCS VMware ESXi VMware vCentre
Storage	Storwize V7000F, IBM Storwize V7000 and IBM Storwize V7000 Unified
Management	Cisco UCS Director

VersaStack with IBM Storwize V5000

Component	
Network	Cisco Nexus
Compute	Cisco UCS VMware ESXi VMware vCentre
Storage	IBM Storwize V5030F, IBM Storwize V5030, IBM Storwize V5020 and IBM Storwize V5010

Why IBM and Cisco?

IBM and Cisco are global IT industry leaders. Together, the companies have a 15-year history of demonstrated joint success with more than 25,000 shared customers. IBM and Cisco have experience in driving emerging technology transitions and have the breadth and ability to deliver innovative, validated solutions while helping customers reduce risk.

The companies provide global delivery capabilities and deep industry expertise along with current technology offerings in DC computing, networking, mobility, collaboration, analytics and the Internet of Things.

For more information

To learn more about VersaStack Solution, please contact your IBM representative or IBM Business Partner (BP), or visit: **ibm.com**/versastack

For more info on Cisco offerings:

- Cisco Nexus Series Switches
- Cisco B-Series Blade Servers
- Cisco C-Series Servers
- Cisco UCS and Cisco UCS Mini Chassis
- Cisco 6300 Series Fabric Interconnects
- Cisco 6200 Series Fabric Interconnects
- Cisco UCS Director

IBM Global Financing (IGF) can help you acquire the IT solutions that your business needs in the most cost-effective way possible, visit: **ibm.com**/financing

[1] Adam DeMattia, 'Economic Value Validation: Quantifying the Value of VersaStack, a Converged Infrastructure Solution by IBM and Cisco,' *The Enterprise Strategy Group*, April 2016. https://www-01.ibm.com/marketing/iwm/dre/signup?source=mrs-form-1385&S_PKG=ov49479&S_TACT=000001BI&S_OFF_CD=10000854

[2] IBM lab measurements –April 2012.

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