

Solution Brief

**A Converged
Infrastructure Standard
to Power Next-Generation
Workloads with Ease**

FlexPod[®]

Free your modern hybrid cloud infrastructure with one turnkey automated platform

Built on groundbreaking technology from NetApp and Cisco and trusted by thousands of customers across the globe, the enhanced FlexPod® platform is composed of prevalidated, cloud-connected storage, networking, and server technologies.

FlexPod, offered by Logicalis, delivers unparalleled flexibility to constantly optimize compute and storage usage across your hybrid cloud to reduce TCO and simplify operations with flexible consumption. And with FlexPod, your apps and data are always in the right place at the right time, whether on-premises or in the cloud.



Power your most demanding modern apps and enterprise needs



Manage data easily from edge to core to cloud



Integrate advanced cloud services



Dramatically reduce your data center costs

Reap the rewards of FlexPod's built-in end-to-end automation:



Accelerate your deployment times from days to hours



Bring a whole new world of insights into focus with full-stack observability

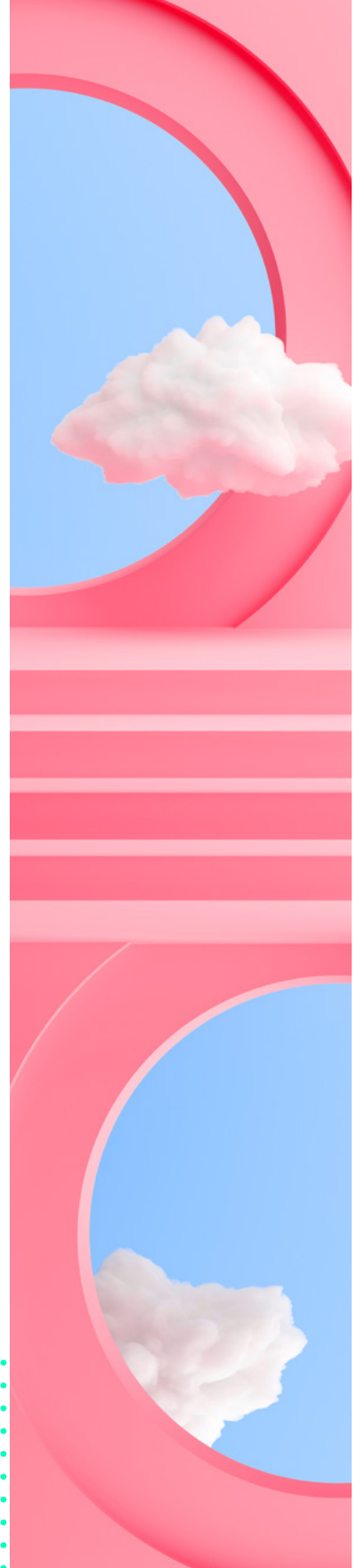


Simplify daily operations



Streamline lifecycle management of your infrastructure running any application

Confidently scale and maintain your always-on apps with fully integrated security across control and data planes.



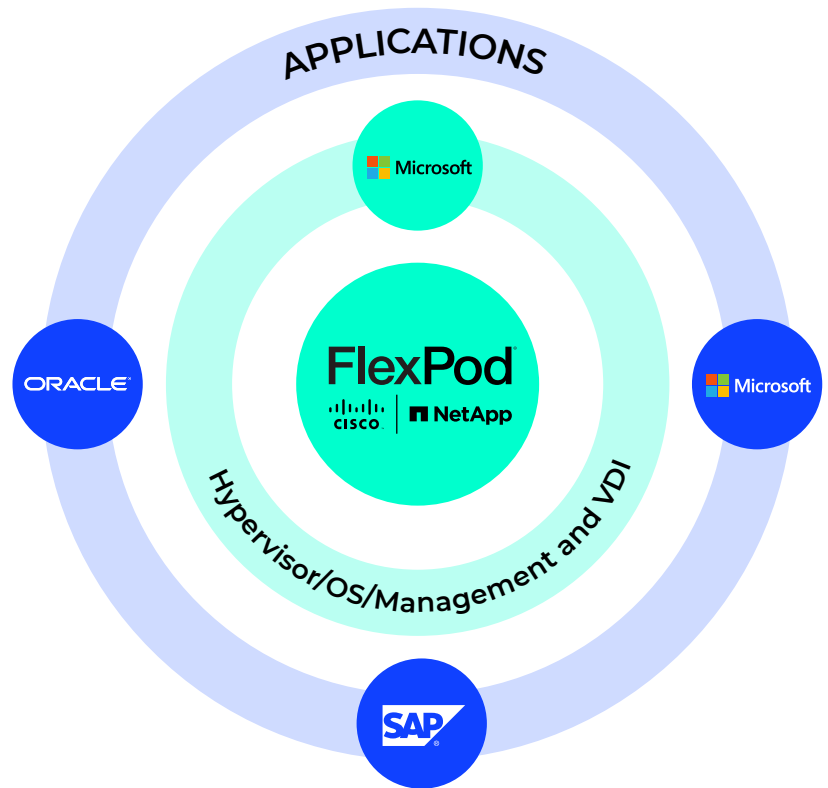


Solution Differentiators

- Cisco's Intersight software-as-a-service intelligent management platform lets IT teams simplify and automate IT operations
- More than 175 reference architectures and validated designs for popular and cutting-edge workloads offer the detail you need to deploy genuine FlexPod solutions with confidence
- NetApp® ONTAP® storage and NetApp and MetroCluster™ software eliminate costly, disruptive downtime
- Flexible encryption and key management help guard your sensitive data everywhere — on the premises, in the cloud, and in transit
- Cisco UCS® high performance, software-driven compute architecture delivers pervasive simplicity and agility
- Cisco ACI™ enables centralized, policy-driven automation that accelerates app deployments
- Multiprotocol AFF and FAS arrays unify application silos, allowing NAS or SAN, file, or block storage on one converged platform
- A consistent set of data management tools for edge, private, and public clouds
- Automation for rapid installation and delivery of new services
- Plugins, APIs, and PowerShell command lets for both storage and compute enable 3rd party management tools
- Tier, DR, and backup inactive data to public cloud storage without archive software or application changes
- Simplified full stack support from Logicalis Managed Services

**FlexPod is proven across a
broad range of environments
and next-generation workloads**

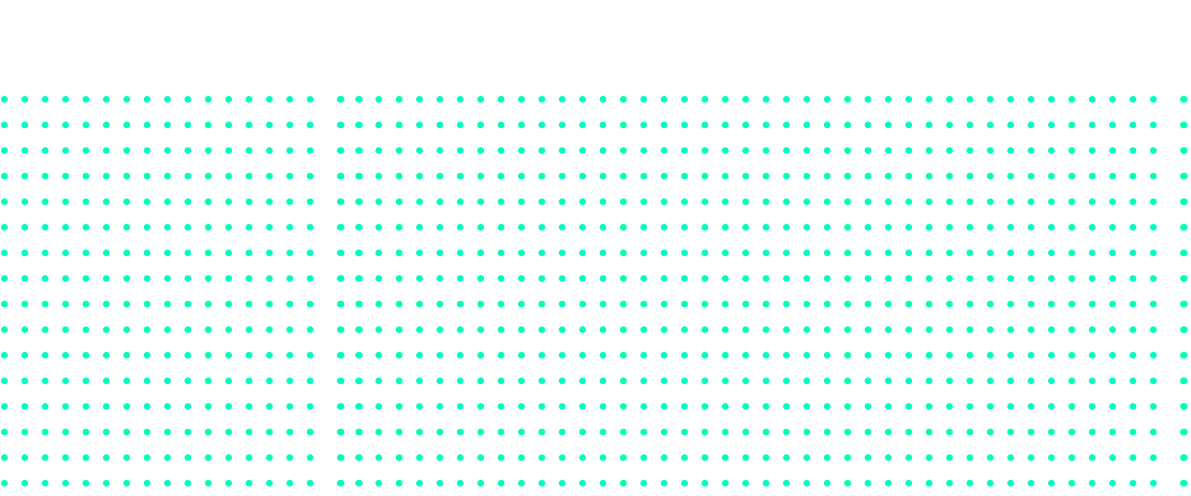
Simplify and accelerate your deployments with FlexPod solutions optimized for next-generation workloads in every vertical.



SAP HANA

With FlexPod, you can accelerate every app in your SAP landscape without disruption, lower license costs, and dramatically improve TCO.

- Obtain an excellent foundation for SAP with capabilities for replication, server deployment, cloning, and refresh processes
- Add value and insights to data with storage provisioning, performance, computing, and scaling capabilities
- Gain a single point of management with Cisco Intersight while also being able to scale each component on-demand or into the hybrid cloud



Oracle Database

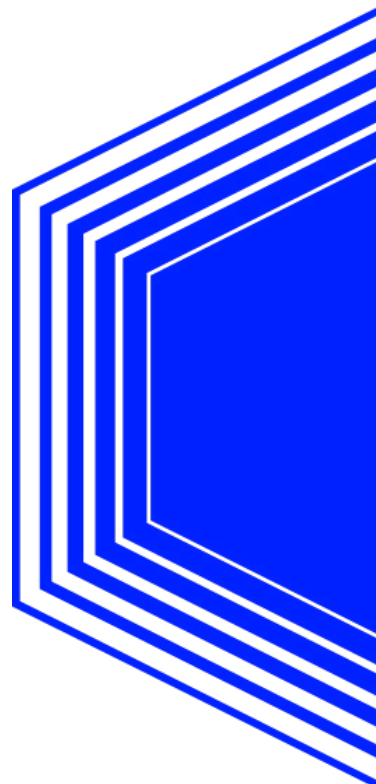
If your enterprise apps rely on Oracle Database, your IT staff is likely all too familiar with complexity and cost challenges. NetApp lets you see into and simplify your app and database interaction, migration, management, and monitoring processes to manage these environments in a less time-consuming, error-prone way.

- Deliver projects up to 30% faster than disk-based solutions, accelerate app delivery, and optimize your Oracle Database
- Respond faster to changing demand thanks to ONTAP software's integration with the largest cloud storage service providers
- Gain a scalable, high-performance infrastructure to deliver your Oracle Database

Microsoft SQL Server

As digitization alters the business landscape, Microsoft SQL Server infrastructure requirements grow and evolve. Customers need to eliminate data sprawl, increase performance while lowering costs, reduce deployment risks, secure data with end-to-end encryption, and much more. Let FlexPod take the load off your IT team.

- Decrease time-to-value with a portfolio of end-to-end validated reference architectures for SQL Server 2012, 2017, and 2019
- Save time and money with inline data deduplication, compression, and compaction
- Get up to 250% faster page response times and a 3x performance boost¹ — and consolidate multiple workloads in a single system



¹Based on Scalability Experts' SQL Server load test on FlexPod.

30% Increase

gain in AI-Enabled early sepsis identifications at MTS.

< 5 seconds

in transfer of medical images from the cloud.

41% - 62%

of hospitals reported performance gains in multiple areas with FlexPod.²

“ ”

Our Discovery Research Cloud built on FlexPod allows our researchers to focus on medical science, not IT.

IT CIO/CTO and VP, Baylor College of Medicine

AI/ML

Tap into data, gain more insight, and make better decisions. FlexPod Datacenter for AI supports the AI/ML needs of any industry.

- Accelerate AI/ML initiatives with a validated solution that demystifies deployment
- Scale to more than 20 PB in a single namespace to support very large learning data sets with ONTAP FlexGroups
- Reduce data storage capacity requirements up to 10 times with deduplication and compression techniques
- Support development, testing, training, and inferencing environments

VDI

Today we need to enable remote work and learning more than ever before. With FlexPod for virtual desktop infrastructure (VDI), your workloads function seamlessly at scale across the globe while reducing both operational and capital costs — all while providing a superior end-user experience.

- Scale quickly and easily without disruption
- Increase agility and reliability with security
- Enable a superior VDI experience for end-users
- Lower operational costs for IT

Healthcare

- Optimize operations and improve overall patient care
- Make quicker, smarter point of care possible with faster insights
- Significantly streamline medical imaging access
- Enable innovation across the hospital — securely and cost-effectively
- 41% - 62% reported performance gains in multiple areas with FlexPod²

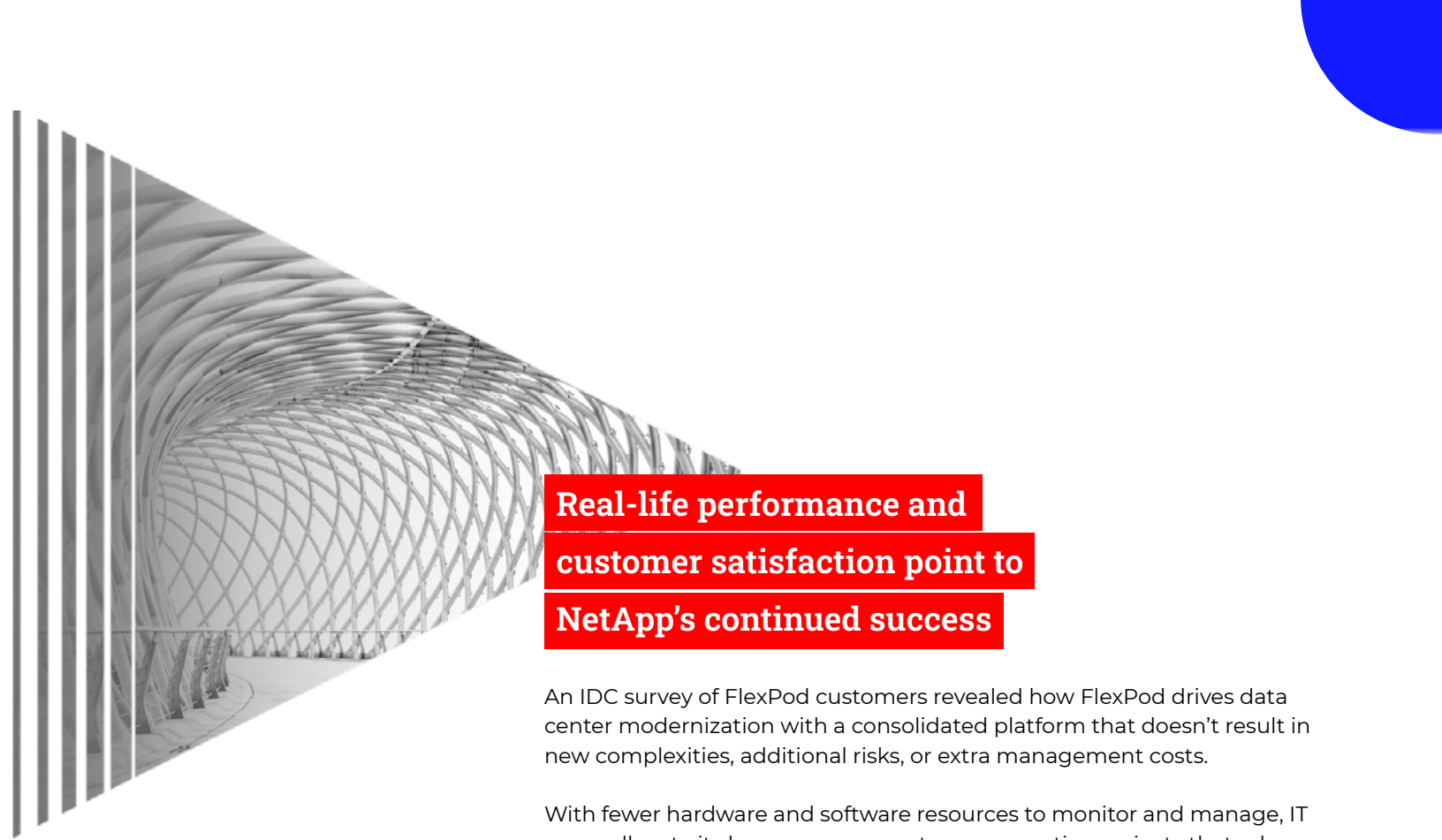
Modern Apps

FlexPod offers power and flexibility to accelerate DevOps deployments with prevalidated architecture.

- Improve IT agility and reduce deployment time from months to weeks
- Slash admin time and TCO by 50% with a more efficient converged virtualized infrastructure³
- Eliminate deployment guesswork and accommodate ongoing workload optimization

² Based on 2019 IDC customer survey.

³ Source: <https://www.yumpu.com/en/document/read/54512614/flexpod-flexible-data-center-infrastructure-to-accelerate-application-deployment>



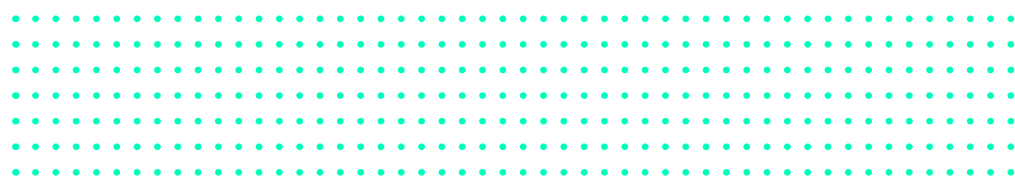
Real-life performance and customer satisfaction point to NetApp's continued success

An IDC survey of FlexPod customers revealed how FlexPod drives data center modernization with a consolidated platform that doesn't result in new complexities, additional risks, or extra management costs.

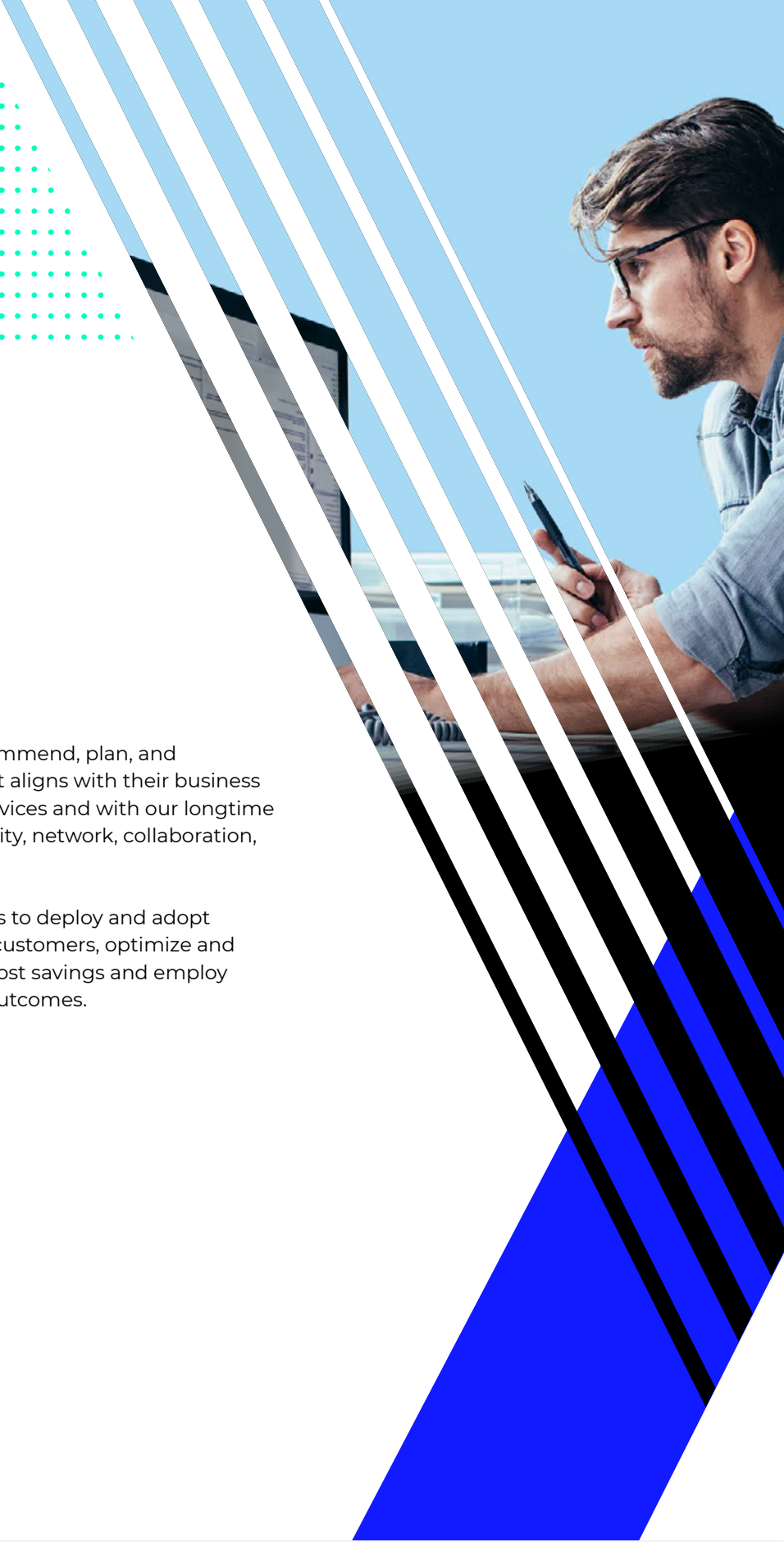
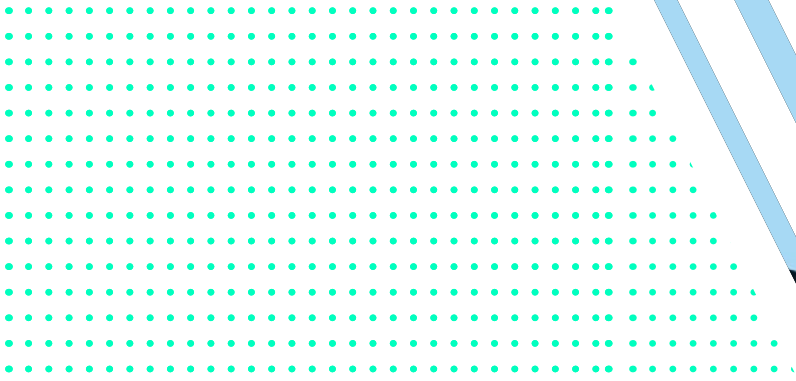
With fewer hardware and software resources to monitor and manage, IT can reallocate its human resources to more creative projects that advance business initiatives.

- FlexPod customers were able to reduce the number of full-time equivalents needed to manage the infrastructure by more than 40%⁴
- The time spent on innovation and new projects increased by 65%⁴
- FlexPod decreased the amount of time spent on administrative tasks — monitoring, troubleshooting, provisioning, and so forth — by about 30%⁴

Let Logicalis help your business realize the bottom-line benefits of a FlexPod converged infrastructure solution by Cisco and NetApp. Using FlexPod, data center managers can achieve data center consolidation, implementation of hybrid clouds, and deployment of modern workloads quickly and efficiently.



⁴Source: <https://www.netapp.com/pdf.html?item=/media/10497-ar-idc-flexpod.pdf>



About Logicalis

Logicalis works alongside our customers to recommend, plan, and implement a digital transformation strategy that aligns with their business goals. Through our consulting and managed services and with our longtime strategic partners, we then deliver custom security, network, collaboration, cloud, and data center solutions.

As Architects of Change™, we help our customers to deploy and adopt technologies that engage their employees and customers, optimize and manage IT operations for improved agility and cost savings and employ emerging technologies that deliver innovative outcomes.

To learn more, visit www.us.logicalis.com