



Making hybrid IT simple with Capgemini and Microsoft Azure Stack



The significant evolution of cloud computing in the last few years has encouraged IT leaders to rethink their enterprise cloud strategy. They want to remodel their IT environment and steer their organizations along a path to digital transformation. Public cloud was long promoted as a catalyst for IT transformation and an offering with the right capabilities—ease, agility, speed of access, scalability, and economics. But, business and technical considerations, including regulatory compliance, data sovereignty, security, cost, and latency issues, have caused many organizations to say no to public cloud. No wonder then that today hybrid cloud is top of mind for enterprises around the world. According to RightScale, 85% of enterprises are pursuing a multicloud strategy, with each running workloads in an average of 1.8 public cloud and 2.3 private cloud.¹ Hybrid cloud improves efficiency, accelerates delivery of apps and services, and gives you the flexibility to combine your preferred cloud and existing on-premises infrastructure in the ratio best suited to your organization.

¹ Cloud Computing Trends: 2017 State of the Cloud Survey, RightScale, February 2017



Microsoft Azure Stack delivers the value of hybrid cloud to your business

Microsoft® Azure is rapidly becoming the platform of choice for hybrid cloud adoption. According to the 451 Research Voice of the Enterprise: Cloud Transformation survey that tracks disruption in the cloud marketplace, Microsoft Azure was the fastest growing cloud platform in 2016 with 116% growth in revenues—compared to just 55% for Amazon Web Services (AWS)—in a \$22 billion market.² As an extension of Microsoft Azure, Microsoft Azure Stack offers services in an on-premises cloud environment under your control. By enabling a consistent and flexible hybrid cloud environment, your developers can leverage the same tools and processes to build apps for both private and public cloud, and then deploy these to the optimal target platform that best meets your business, regulatory, and technical requirements.

4 common use cases for Microsoft Azure hybrid cloud

<p>1</p> <p>Data sovereignty, security, and compliance—protect your data and IP, and meet compliance needs</p> 	<p>2</p> <p>Performance—support high-performance analytics, Big Data, and low-latency apps</p> 	<p>3</p> <p>Edge and disconnected applications—provide connectivity for disconnected apps</p> 	<p>4</p> <p>Modern app development—deploy apps to private or public cloud</p> 
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But, the decision to deploy and start tinkering with a new Microsoft Azure Stack initiative is not something you can make overnight. It needs planning, strategic thinking, a vision of where the change could possibly take you, and how long it will take for the returns on your investment to impact your business growth positively. It's a journey that can be accomplished better with Hewlett Packard Enterprise and Capgemini.

HPE ProLiant for Microsoft Azure Stack: The mainstay of your Microsoft Azure Stack solution

HPE ProLiant for Microsoft Azure Stack, a pretested, factory-integrated hybrid cloud solution, makes it possible for you to quickly realize the benefits of an Azure hybrid cloud with unique options and capabilities for a fast, smooth, and affordable deployment.

HPE ProLiant for Microsoft Azure Stack reflects the Hewlett Packard Enterprise and Microsoft common cloud vision. This solution allows you to run Azure-consistent services in your data center, providing a simplified development, management, and security experience that's consistent with Microsoft Azure public cloud services.

² Voice of the Enterprise: Cloud Transformation, 451 Research, 2017





Co-engineered by Hewlett Packard Enterprise and Microsoft, HPE ProLiant for Microsoft Azure Stack enables you to rapidly deploy apps to either your Azure Stack private cloud or Azure public cloud, and then easily move those apps as your security, compliance, cost, and performance requirements change.

Built on HPE ProLiant DL380 Gen9 Server, HPE ProLiant for Microsoft Azure Stack is your complete compute, storage, and networking cloud solution. The HPE ProLiant for Microsoft Azure Stack hybrid cloud solution is designed to help both enterprises and service providers realize the best that hybrid IT has to offer—the agility, simplicity, and economics of public cloud combined with the performance, security, and control of on-premises private cloud.

Features that help you run Microsoft Azure-consistent services from your data center



Common developer experience for Microsoft Azure and Azure Stack simplifies app development

Integrated system management—HPE OneView—simplifies operations

Multiple packaging options—factory integration or virtual rack

Multiple configuration options—processors, memory, storage, networking switches, racks, and nodes

Workload portability across Microsoft Azure and Azure Stack

Single vendor support reduces downtime³

Multiple financing options—capital purchase, pay as you go, or leasing

Multiple sourcing options—HPE, HPE and Microsoft, direct cloud service provider (CSP), or indirect CSP

³ Available when HPE is the MS CSP of record



6 benefits you get with HPE ProLiant for Microsoft Azure Stack



A high-quality solution built by two of the biggest names in the industry—Hewlett Packard Enterprise and Microsoft—with the HPE ProLiant DL380 Gen9 Server as the foundation.



HPE OneView—a powerful infrastructure automation tool that enables you to proactively manage compute, storage, and networking to meet the needs of your workloads.

A configurable solution that seamlessly scales to meet application requirements with the option to choose the best processor, memory, storage, and rack and network switching for the use case.



HPE Pointnext to help you plan and implement all of your Microsoft Azure hybrid cloud projects including security, identity management, backup and site recovery, and networking.

Global, enterprise-class support with remote monitoring and management, and single point of contact to help make your cloud journey as smooth as possible.



HPE-Microsoft Innovation Centers—located in Washington and Geneva—with HPE and Microsoft experts who offer help with business planning, technical deployments, and implementing a proof-of-concept (POC) to help test your use cases and prove the value of Microsoft Azure Stack for your business.





Consulting and hosting services from Capgemini provide the help to get you started and keep running efficiently

Capgemini, a leading provider of technology and engineering services with five decades of experience in delivering expertise you can count on, offers solutions that enable digital transformation and provides cutting-edge expertise in cloud, cybersecurity, digital manufacturing, digital assurance and testing, and emerging technologies. Capgemini brings together more than 25,000 professionals in 15 countries based in over 100 locations in Europe, USA, and India. Capgemini combines agility and speed of implementation with strong technology supplier partnerships, proven methodologies, and its global delivery model—Rightshore. Capgemini is a recognized Microsoft Alliance Partner affiliated with the Microsoft Partner Network.

With its cloud competencies, tools, accelerators and an elevated level of expertise that has proven to be repeatedly successful, Capgemini adds a new dimension to the Hewlett Packard Enterprise-Microsoft partnership with:

- **Cloud-native apps—methods and processes for migrating and developing applications:** With 9000 expert developers, experience of managing the cloud migration and development of several applications, and a global system integrator relationship with Microsoft
- **Azure Stack IP—accelerators to increase development velocity and shorten time to market:** With the OneShare platform specific to Azure to support DevOps, patterns and templates to accelerate development, and a POC environment for demonstrations
- **Application patterns and templates for specific industries:** Retail analytics to improve customer experience using IoT assets, healthcare solutions that demonstrate Microsoft Azure Stack benefits, and manufacturing to optimize supply chains





What's more, Capgemini can host apps or micro services on its managed Microsoft Azure Stack instance running in the BeNeLux and North America. And that means, you get to choose where to run your workload or app—on premises, within a private or shared hosted cloud at Capgemini, or on Microsoft Azure public.

Real-world implementation of Microsoft Azure Stack



Healthcare

- Reduce costs
- Improve quality of care
- Identify at-risk patients



Retail

- Increase worker knowledge
- Reduce sales friction
- Build customer engagement



Manufacturing

- Optimize operation
- Improve quality
- Supply chain forecasting



Delivering experiences, not just solutions

Together, Hewlett Packard Enterprise, Microsoft, and Capgemini bring you the experience and knowledge gained from years of delivering joint solutions. With our understanding of risk-mitigating implementation options, we can help you implement new solutions without disrupting your IT and business functions. The Microsoft software platform and Capgemini's apps expertise coupled with the hardware from Hewlett Packard Enterprise can offer you a truly differentiated, proven Microsoft Azure hybrid cloud experience. Our joint abilities include:

- **Assets**—HPE hardware, software, service, process, and consulting components
- **IP and methodology**—software, solutions, and technology
- **Resources**—consulting and technical resources, architects, specialists, and supplementary delivery resources
- **Industry knowledge**—utilities, media, retail, manufacturing, CPG, life sciences, and public sector
- **Synergies**—shared customers, complementary skills, trust, and governance that enable predictable operations and responsiveness
- **Innovation**—cloud and solution maps, industry templates, rapid delivery, and implementation methodologies
- **Partnership**—including joint R&D, and sales and marketing

Learn more at
[**hpe.com/partners/azurestack**](https://hpe.com/partners/azurestack)



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