Harness the full potential of your business with Azure Stack and Intel

In today's business world, agility is king

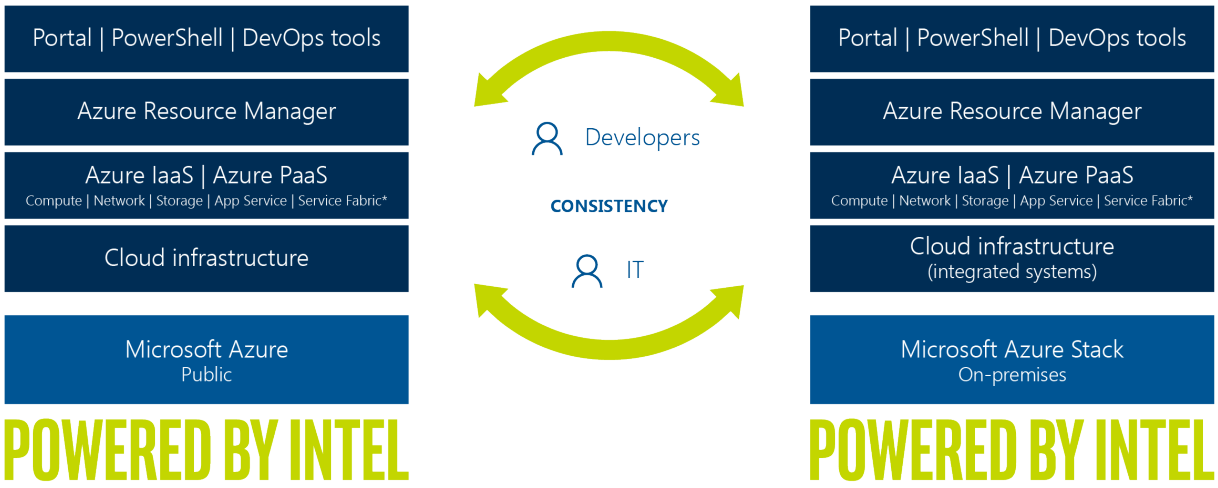
For businesses looking to stay ahead in today's dizzying, perpetually disrupted business landscape, going cloud is an obvious choice. We've entered an era where agility is king, and the speed and flexibility of cloud can mean the keys to the castle. But what if some parts of your business simply can't move to the cloud? You want to move at the speed of business, developing and delivering services to customers at breakneck pace, but are tethered to on-premises infrastructure by regulatory and compliance requirements.

How can you gain the agility afforded by cloud—widely considered the future of business—without losing the control and security of keeping data on-premises, a practice you've invested in for years?

The answer isn't choosing between cloud and on-premises solutions. It's bringing the cloud into your datacenter—with Azure Stack.

Azure Stack is Azure in your datacenter

Azure Stack is an extension of Azure that—through the power of Intel—combines the flexibility of cloud computing with the performance and control of on-premises environments. IT leaders can once again feel confident investing in cutting-edge on-premises infrastructure that delivers the development platform their business needs. Developers can build modern applications using a consistent, open set of Azure services that meet business, technical, and regulatory requirements. Microsoft and Intel's longstanding commitment to advancing the hybrid cloud makes Azure Stack not just the only approach to hybrid, but also the best way to future-proof your business.



Microsoft | intel

Why choose Azure Stack?

Azure Stack is the only true Azure-consistent hybrid cloud solution on the market. Meaning, it's the only solution enabling you to offer Azure services on-premises while also keeping you in charge of managing every aspect of data security and storage. By running Azure Stack in your datacenter, you're opening your operations up to:

Consistent hybrid application development

Maximize developer productivity by empowering them to build and deploy applications the same way, whether they run on Azure or Azure Stack—our write-once, deploy-anywhere approach. With this level of consistency, you can implement a DevOps approach across your hybrid cloud environments.

Azure services available on-premises

Azure Stack—through the power of Intel—allows you to adopt hybrid cloud computing on your terms while benefitting from the popular public cloud services your business demands. You now have the flexibility to choose the right combination of cloud and on-premises deployment models for your applications.

Purpose-built integrated systems

With Azure Stack, you focus on optimizing business applications using integrated systems that are designed to deliver consistent Azure innovation and world-class performance in a predictable, reliable, and non-disruptive manner.

BENEFITS

Deploy PaaS solutions in minutes instead of hours/days/weeks.

Use the same application model, self-service portal, APIs, tools, platforms, and frameworks across your environments.

Speed up development using automation from Chef and Azure PowerShell DSC and a range of open source technologies.

Deploy and operate Azure IaaS/PaaS services using the same administrative experiences and tools as you would in Azure.

Only pay for the services you use, as Azure extends the pay-as-you-use model to Azure Stack.

Easily integrate Azure Stack with other solutions, such as monitoring, identity, and backup and recovery solutions.

Intel Inside Azure Stack

Intel® Xeon® processors and Intel® Solid State Drive (SSD) Data Center Family provide the unmatched compute and storage power inside Azure Stack. Businesses looking to extend workloads to the cloud can rest easy knowing Intel's reliable performance extends with them—regardless if they're in Azure or Azure Stack.

COMPUTE POWER

Intel® Xeon® processors provide the right foundation for software-defined enterprise datacenters optimized for cloud deployments that require increased scalability, automation, and orchestration capabilities across compute, storage, and network workloads.

STORAGE MEDIA

Intel® SSD Data Center Family provides high throughput for the most intense workloads, with the capacity, manageability, and reliability required across the modern datacenter.

Azure Stack hardware partners for operational excellence

Purpose-built systems from Dell EMC, HPE, and Lenovo help you get up and running quickly. These systems were specifically designed to give you a turnkey solution with Azure Stack, each running on Intel technology to deliver unmatched workload performance across your environments.

DELL EMC

Dell EMC's hybrid cloud for Azure Stack is a fully engineered platform consisting of hyperconverged infrastructure, Dell EMC software, innovation, and services that support you at every step of bringing the cloud into your datacenter.

Hewlett Packard Enterprise

The HPE ProLiant for Azure Stack is an integrated solution combining cloud, management, and infrastructure services that have been optimized to help you transform on-premises datacenter resources into flexible hybrid cloud services.

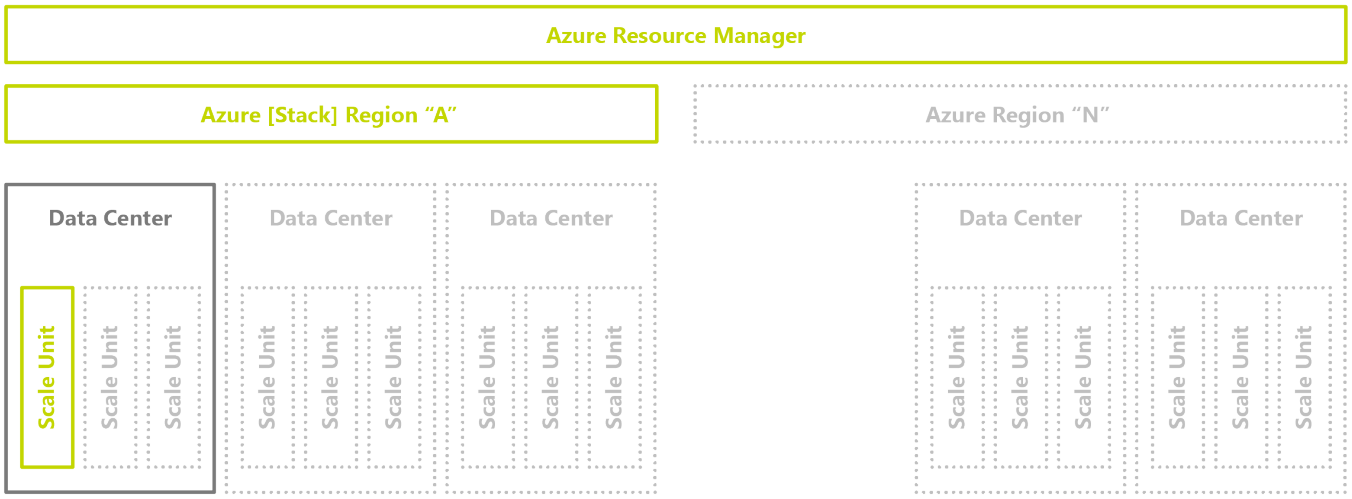
Lenovo

Lenovo's ThinkAgile System x3650 for Azure Stack is a co-engineered, pre-integrated turnkey rack-scale solution designed to help you accelerate hybrid cloud deployment and focus on building cloud proficiencies. It's a highly secure system that optimizes software and hardware configurations, parameters, and security settings to deliver industry-leading stability, resiliency, and performance.

OEM	Dell EMC	HPE	Lenovo
System Model	PowerEdge R730xd	ProLiant DL380 Gen9	System x3650 M5
Intel® Xeon® Processor Option		E5-2699v4 (22c)	
		E5-2698v4 (20c)	
		E5-2695v4 (18c)	E5-2690v4 (14c)
		E5-2683v4 (16c)	E5-2683v4 (16c)
	E5-2660v4 (14c)	E5-2660v4 (14c)	E5-2660v4 (14c)
	E5-2650v4 (12c)	E5-2650v4 (12c)	
	E5-2640v4 (10c)		
Memory Options (GB)		768	
		640	
	512	512	512
	384	384	
	256	256	256
System/Boot Drive(s)	Samsung SM863(a) SSD	HPE SSD	IBM HDD
Cache Drives	**Intel® S3710 SSD**	**Intel® S3710 SSD**	**Intel® S3710 SSD**
	Samsung SM865(a) SSD		
Capacity Drives	Seagate HDD	Hitachi HDD	IBM HDD
NIC	Mellanox CX-3 Pro	Mellanox CX-3 Pro	Mellanox CX-4

Thinking about scale over time

Whichever way you cut it, the hybrid cloud is here to stay. With Azure Stack you can start small (with 4 nodes) and scale over time, as your business requires.



Conclusion

Stop making business decisions designed around technology limitations, and start making them around business aspirations. With Azure Stack you gain the benefits of Azure's cloud while retaining the important aspects of your on-premises environment. This is truly the future of cloud computing—so why not do it on your terms?

How to buy

SOFTWARE

Software installed on-premises during system integration

Choice of consumption or capacity-based charges

HARDWARE

Hardware purchased directly from hardware partners

Includes support and installation services

SUPPORT

Two support contracts:

- Services support from Microsoft
- Services support from hardware partners

One integrated support experience

Learn more about Azure Stack:
https://azure.microsoft.com/en-us/overview/azure-stack

Discover how Intel accelerates business transformation:
www.intel.com/content/www/us/en/big-data/intel-microsoft-partnership.html

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