Microsoft Cloud Platform System
powered by Dell

Microsoft Cloud Platform System (CPS) is an Azure-consistent cloud in a box, enabling organizations and service providers to deliver cloud capacity to their users. CPS is a fully integrated and pre-configured system of Microsoft software and Dell hardware, with a Microsoft-led support experience.

Accelerate your journey to the cloud

Building a cloud is a complex undertaking, and many cloud deployments fall short of their goals. Integrating the hardware, installing and configuring the software, and tuning the overall solution for scale, high performance, and reliability consumes a lot of time and effort.

Microsoft and Dell partnered to bring the Cloud Platform System (CPS) to market. CPS lowers the risk and time required to deploy cloud infrastructure, and arrives at your data center ready to operate.

Microsoft's extensive cloud experience in your datacenter

Microsoft's knowledge from operating some of the world's largest data centers influenced the architectural design of CPS. Born from innovations and learnings from those cloud-scale data centers, the software-based technologies within CPS deliver optimized economics, reliability, performance and scale.

Consistent and connected with Azure

As part of Microsoft's Cloud Platform vision for consistency across public, private, and service provider clouds, CPS delivers a familiar and consistent end user experience through the Windows Azure Pack, and supports hybrid

A look inside CPS

- **Windows Server 2012 R2.** A virtualized, multi-tenant infrastructure based on Hyper-V.

- **System Center 2012 R2.** The management and operations solution for the cloud.

- **Windows Azure Pack.** Microsoft Azure technologies running in your datacenter.

- **Dell PowerEdge servers, Dell Storage dense enclosures, and Dell Networking switches.** Each rack provides 32 compute nodes and up to 282 TB of usable storage.

scenarios like disaster recovery through Azure Site Recovery.

Converged hardware and the power of software-defined

CPS frees IT to focus more time on innovation and driving value to the business. As a fully integrated and pre-configured cloud solution, CPS relieves IT professionals from focusing on tasks such as selecting individual components, evaluating compatibility, racking and stacking servers, running cables, and so forth. Orchestrated

software and firmware updates, and a Microsoft-led support experience also help save time.

Software defined features in CPS help provide more agility and lower cost for the same level of functionality. For example, providing highly available storage at a large cost saving.

Increased business agility

CPS provides a self-service cloud environment, rich with the services and automation that developers and IT professionals need to deploy the applications business users demand. CPS includes Windows and Linux virtual machine services, database services, website services, and more. CPS also comes with optimized deployment packs for Microsoft applications like SQL Server, SharePoint, and Exchange to deliver optimum application performance and operation lifecycle.

Customer success stories

"CPS fills an important role in the cloud computing spectrum in that it enables us to deliver hybrid cloud solutions in combination with public cloud and traditional hosting services." - *Paul Verkerk, Account Executive, Infrastructure Services, Capgemini*

"Thanks to the Microsoft Cloud Platform System, we were able to build a next-generation IaaS solution in three days instead of nine months. That's an unheard-of time-to-market advantage."- *Philip Moss, Chief Executive Officer and Chief Technology Officer, NTTX Select*

Specification overview

	Per Rack	4 racks
Compute nodes	32	128
Cores	512	2048
Memory	8TB	32TB
Usable storage capacity	282TB	1.1PB
Maximum virtual machines*	2,000	8,000

* VM topology: 2 virtual CPUs, 1.75 GB memory, 50 GB storage.

Breakthrough Efficiency & Economics

- Accelerate time to value through a ready to run factory-integrated solution
- Lower infrastructure costs through software defined architecture
- Streamline support experience through a Microsoft led support
- Decrease risk and complexity through a pre-validated and tested solution

Maximum IT impact on Business Agility

- Connect IT resources to business outcomes and unify IT processes with business cycles
- Assure performance levels and ensure reliable access to applications and services
- Free up IT resources to focus on innovation and empower end users through self service
- Enable data governance, geo sovereignty, and regulatory compliance
- Standardize the infrastructure to reduce overhead and accelerate problem resolution

Hybrid Cloud Experience

- Provide the scalability and flexibility of a hybrid cloud solution
- Benefit from greater agility and resiliency by utilizing born in the cloud design principles
- Leverage Azure consistent self-service portal for higher end-user satisfaction
- Utilize the cloud service model for improved service delivery

Find out more

For more information on CPS, visit www.microsoft.com/cps or contact your Microsoft representative

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