



Microsoft Cloud Platform System Standard

Microsoft Cloud Platform System (CPS) Standard is an Azure-consistent cloud in a box enabling your organization to deliver on-premises cloud capacity to your users. CPS Standard is a fully integrated and pre-configured system delivering a high performance hardware stack and proven Microsoft software.

The power of cloud, made easy

At the most basic level, IT needs a virtualized environment that works—and works well. Building a cloud is a complex effort, time consuming, and risky; deployment often falls short of IT goals.

Microsoft and its hardware partners offer a modular and integrated cloud solution that lowers your risk and dramatically shortens deployment time. Simplify and speed up service delivery, improve user experience, and scale as you add capacity so that you can always deliver a superior level of service to your users.

Proven cloud experience is now yours

CPS Standard lets you leverage the experience gained from running some of the world's largest datacenters. Microsoft applied its knowledge and learnings from operating cloud-scale datacenters across the globe to the architecture and software-based technologies within CPS Standard. Now you can gain the optimized economics, reliability, performance, and scale of Microsoft innovations in your own IT environment.

Azure-like experience with Azure-connected services

CPS Standard delivers a familiar and consistent end user experience through Windows Azure Pack, a collection of Microsoft Azure technologies that run in your datacenter.

A self-service portal helps you configure and manage cloud services similar to the public cloud, including usage reporting, and the ability to charge based on consumption. Integrated Azure services like backup and disaster recovery make it easy for IT to deliver business continuity.

Modular and integrated

Limited IT resources and the cost of new infrastructure solutions can be significant barriers to the deployment of new technology. With CPS Standard, Microsoft is addressing the need for a solution that offers simplicity, ease of deployment, and economic value. CPS Standard is a modular approach to building your infrastructure to support growth on your own terms. It's simple to add compute nodes in single node increments without service interruption.

A completely automated and orchestrated patch and update process makes maintenance simple and removes risk. Prior to shipment, these firmware and software updates are fully tested and qualified to make sure everything just works. Combine this with a single point of contact for support, IT can save time and increase efficiency. Software-defined features in CPS Standard, like storage and networking, lower cost and provide more agility.

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An Azure-consistent cloud in a box

Increased business agility

CPS Standard provides a self-service cloud environment with services and automation to help IT and developers deploy the applications business users and customers demand. CPS Standard provides Windows and Linux virtual machine services (IaaS), database services (DBaaS), and website services (PaaS).

Spend smarter

- Accelerate time to value with a ready-to-run solution
- Lower infrastructure costs with software-defined datacenter technologies
- Streamline support with a single point of contact
- Decrease risk and complexity with a pre-validated, tested solution

Simplify everything

- Align IT processes with business cycles
- Assure performance levels and reliable access to applications and services
- Enable data governance, geo-sovereignty, and regulatory compliance
- Reduce overhead and accelerate problem resolution through standardized infrastructure

Cloud-quality experience

- Provide granular scalability and flexibility
- Boost agility and resiliency through born-in-the-cloud design
- Simplify service provisioning through Azure-like portal
- Improve service delivery with a cloud service model

Solution size

- Initial configuration: four to 16 physical compute nodes to start
- Capacity expansion: increment of one to 12 nodes at a time
- Maximum scale: 16 compute nodes

Physical configuration for each node

- CPU: ≥ 12 physical processor cores
- Memory ≥ 128 GB
- Storage: local drive capacity ≥ 200 GB (HDD or SSD)
- Network:
- ≥ 1 10GbE NIC on each server

Find out more

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

