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Enterprise**

# MICROSOFT WINDOWS SERVER 2019

## Windows Operating Systems



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**Microsoft**

### WHAT'S NEW

- Unique hybrid datacenter platform: Set up future success with efficient hybrid capabilities that work both on-premises and in the cloud.
- Best response time: Enhanced security features help detect and respond to new and emerging threats, prevent attacks, lower the risk of security breaches, and protect your business data.
- Faster innovation for applications: Modernize your existing applications and

### OVERVIEW

Does your business need to improve its integrated data center and cloud-based platforms with efficiency and security? Microsoft® Windows Server® 2019 is the operating system that smoothly bridges on-premises and cloud storage with efficient hybrid capabilities, enhanced security, and faster innovation for applications. Storage Migration Service can help to easily and efficiently migrate servers and modernize your infrastructure combining built-in functions such as Storage Replica. These innovations further expand on the security foundations built into Windows Server 2016 to help organizations lower maintenance costs, manage privileged access, and secure the operating system. With powerful layers of security along with

build what's next with cloud-native apps.

- Improved hyperconverged infrastructure (HCI): Run applications and workloads with lower maintenance costs through an HCI that runs compute and storage needs at the same time with better scalability.
- Microsoft® AMD Pilot Program for Windows Server® 2019: 6 new AMD-specific additional licenses only available on AMD EPYC 'Rome' systems with 48 and 64 core processors.

innovations to elevate your business's efficiency and productivity, Windows Server 2019 pairs with the HPE servers, storage, and networking solutions to provide the technology to help achieve your business goals.

## FEATURES

### Storage Migration and Storage Replica

Storage Migration Service is a wizard-based technology that makes it easier to migrate servers to a newer version of Windows Server or into Microsoft Azure, without reconfiguring applications or users.

Storage Replica is now available in Windows Server 2019 Standard with certain limitations - compared to the full capability in Windows Server 2019 Datacenter. Test failover is a unique feature that allows mounting of destination storage to validate replication or backup data without failing over.

### Hybrid Cloud and Security

Windows Server 2019 offers system insights, bringing local analytics capabilities and providing high-accuracy predictions to help turn reactive management into proactive care for your on-premises Windows Servers.

The on-demand Server Core app significantly improves the app compatibility of the Windows Server Core installation option.

Windows Defender Advanced Threat Protection (ATP) [1] provides access to deep kernel and memory sensors bolstered by Azure's massive security resources, helping to improve proactive security and to reduce exposure while enabling swift response actions on Windows Server 2019 endpoints.

Reduce the risk of security breaches with support for shielded Linux® VMs, expanding the range of operating systems that Windows Server can protect in a virtualized environment.

### Windows Administration Center and Azure Integration

Windows Server 2019 introduces the freely downloadable Windows Administration Center which is the modern, browser-based evolution of inbox management tools such as Server Manager and Microsoft Management Console (MMC).

Everything from integrating initial configuration to managing cloud-based services is included to enable ongoing business continuity and security with Azure cloud services such as Azure Backup, Azure File Sync and Azure Site Recovery.

Windows Administration Center serves as the on-ramp for on-premises machines that use Azure services. It is separate from the Azure portal, which is used for management, monitoring, and configuration after the initial setup flow.

Windows Administration Center can restore and perform actions against recovery points. It also serves as the simplified, wizard-driven user interface for the Windows Server 2019 Storage Migration Service to migrate server workloads from legacy Windows Servers to a modern Windows Server 2019 machine.

You can continue to use the Azure portal to manage servers at scale across Azure's wide and growing range of cloud services and view aggregated information for monitoring jobs and alerts using deep links.



**Microsoft® AMD Pilot Program**

This program delivers the most economical and energy efficient single and dual socket HPE ProLiant platforms for Windows Server® 2019 at reduced OS licensing cost on high core count systems. Available for a limited time with launch on August 3rd, 2020 and program end on June 30th, 2021.

Only on platforms with AMD EPYC™ 'Rome' processors with more than 32 cores per processor. Another great option for Virtualization / Hyper Converged Infrastructure (Microsoft Azure Stack HCI based on Windows Server 2019 Datacenter) and Multipurpose use (Windows Server 2019 Standard).

Get ready for a powerful combination of an HPE ProLiant DL325 or HPE ProLiant DL385 Gen10 / Gen10 Plus server with AMD EPYC™ 'Rome' Processor with 48 or 64 Cores and Windows Server 2019 Standard or Datacenter – use all cores, but license only 32 cores per CPU.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

## HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

### Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

**HPE Integration and Performance Services** help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

### Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

**Defective Media Retention** is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

## HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

[1] Azure subscription required.

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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