

Microsoft Windows Server 2019



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 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.

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 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.

[1] Azure subscription required.



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

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

[The Defective Media Retention \(DMR\)](#) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. [Comprehensive Defective Material Retention \(CDMR\)](#) allows you to keep all data retentive components.

HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading 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, 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](#).

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