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CYSE 280

HW 1

**Windows Server Versions**

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|  | **Windows Server 2000** | **Windows Server 2003** | **Windows Server 2008** | **Windows Server 2012** | **Windows Server 2016** | **Windows Server 2019** | **Windows Server 2022** |
| **When was it released?** | February 17, 2000 | April 24, 2003 | February 27, 2008 | September 4, 2012 | October 12, 2016 | October 2, 2018 | August 18, 2021 |
| **Extended Support End Date** | July 13, 2010 | July 14, 2015 | January 14, 2020 | October 10, 2023 | January 12, 2027 | January 9, 2029 | October 14, 2031 |
| **Memory Support** | Supports up to 4 GB of RAM | Supports up to 128 GB of RAM | Supports up to 1 TB of RAM | Supports up to 16 TB of RAM | Supports up to 24 TB of RAM | Supports up to 24 TB of RAM | Supports up to 48 TB of RAM and 2,048 logical cores running on 64 physical sockets |
| **Processor Support** | Supports up to 2 processors | Windows Server 2003 is available for IA-32, Itanium, and x64 processors | Windows Server 2008 R2 supports up to 64 physical processors or up to 256 logical processors per system | Windows Server 2012 R2 requirements include a single 1.4 GHz, 64-bit processor core | Supports up through the following 9th Generation Intel Processors | Windows Server 2019 supports all AMD EPYC 7000 Series processors | Support up through the following 12th Generation Intel Processors |
| **Main feature(s) provided** | NTFS 5, the Microsoft Management Console (MMC), the Encrypting File System (EFS), dynamic and basic disk storage, usability enhancements and multi-language and locale support. | Windows Server 2003 offered features like XML web services, directory services, remote access, and server hardware support. | Windows Server 2008 offered features like Hyper-V, Server Manager, Failover clustering and window system resource management. | Windows Server 2012 offered features like freedom to choose interface, dynamic access control and is not oriented towards a single server. | Windows Server 2016 offered features like nano servers, shielded virtual machines, and latest version of Web App Proxy. | Windows Server 2019 offered features like the Windows Admin Center, enhanced security, and easier administration of server core. | Users gain access to features such as server virtualization, storage, software-defined networking, web application platforms, server management and automation. |