

Comparison of Windows Server IoT Storage Offerings

Please note, this snapshot provides only a summary. Complete licensing information documents can be found on the [Licensing and Programs Center on Device Partner Center](#).

	Windows Storage Server 2016		Windows Server IoT 2019	
	Workgroup	Standard	Storage Workgroup	Storage Standard
Core based licensing	No	No	No	Yes
Client Access License (CAL) required?	No	No	No	No
Maximum #CPU	1	2	1	n/a*
Virtual Machine Rights	No	2	No	2**
# Users	50	Unlimited	50	Unlimited
NVMe-enabled hardware	No	Yes	No	Yes
# Disks	6	Unlimited	6	Unlimited
External Serial Attached SCSI (SAS) interconnect	No	Yes	No	Yes
Maximum Memory	32 GB	24 TB	24 TB	24 TB
Hardware RAID	Yes	Yes	Yes	Yes
Concurrent SMB Connections	250	Unlimited	Unlimited	Unlimited
File Sharing (SMB&NFS)	Yes	Yes	Yes	Yes
Online Backup	Yes	Yes	Yes	Yes
DFS Replication	Yes	Yes	Yes	Yes
Storage Replica	No	No	No	Yes
File Classification Infrastructure	Yes	Yes	Yes	Yes
File Server Resource Manager	Yes	Yes	Yes	Yes

	Windows Storage Server 2016		Windows Server IoT 2019	
	Workgroup	Standard	Storage Workgroup	Storage Standard
Domain Join	Yes	Yes	Yes	Yes
Shared Block Storage (iSCSI Target + Boot)	Yes	Yes	Yes	Yes
OEM Customizable Out of Box Experience	Yes	Yes	Yes	Yes
Storage Spaces	Yes	Yes	Yes	Yes
Storage Spaces Direct/Volume Replication	No	No	No	No
Deduplication	No	Yes	No	Yes
BranchCache - Hosted Cache	No	Yes	No	Yes
Clustering (Including AD/DNS)	No	Yes	No	Yes
Simplified Cluster Setup	No	Yes	No	Yes
Networking Infra (DHCP, DNS & WINS)	No	Yes	No	Yes
AD Roles including Domain Controller (RODC)	No	No	No	No
Active Directory (Certificate Services, Domain Services, Federation Services, Lightweight Directory Services, Rights Management)	No	No	No	No
Application Server, Network Policy, Remote Desktop Broker, WDS and Fax Server	No	No	No	No

* CPU no longer applies to Storage Standard

**The number of Virtual Machines (VM's) allowed is based on the number of cores licensed on a physical server. There are minimum licensing requirements per server: 8 cores per processor and 16 cores per server. All cores on a physical server must be licensed in order to be compliant. VM's are based on the total licensed cores on the physical server. The minimum 16 cores qualifies for 2 VMs. Please refer to the applicable Windows Server IoT Product Terms document located on the Device Partner Center for details regarding core licensing and VM rights.