



# Windows on AWS

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AWS has multiple cloud services and tools to make it easy for you run Windows workloads on AWS.



## Windows Servers on EC2

You can select from a number of Windows Server versions including the latest version, Windows Server 2019



**SQL Server on RDS** You can select from a number of SQL Server database versions



**AWS Directory Service** lets you run **Microsoft Active Directory (AD) as a managed service**



**AWS License Manager** makes it easier to manage your software licenses from software vendors such as Microsoft.



**Amazon FSx for Windows File Server** is a **fully managed scalable storage** built for Windows.



**AWS Software Development Kit (SDK)** allows you to write code in your favorite language to interact with AWS API. The SDK supports **.NET** a language favorite for Windows Developers



**Amazon WorkSpaces** allows you to run a virtual desktop. You can launch a **Windows 10 desktop** to provide a secure and durable workstation that is accessible from wherever you have an internet connection.



AWS Lambda supports **PowerShell** as a programming language to write your serverless functions!

**AWS Migration Acceleration Program (MAP)** for Windows is a migration methodology from moving large enterprise. AWS has Amazon Partners that specialize in providing professional services for MAP.





# AWS License Manager

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## What is Bring-Your-Own-License? (BYOL)

The process of reusing an existing software license to run vendor software on a cloud vendor's computing service. BYOL allows companies to save money since they may have purchased the license in bulk or at a time that provided a greater discount than if purchased again.

eg. **License Mobility** is Microsoft Volume Licensing customers with eligible server applications covered by active Microsoft Software Assurance (SA)



**AWS License Manager** is a service that makes it easier for you to manage your software licenses from software vendors centrally across AWS and your on-premises environments.

AWS License Manager software that is licensed based on **virtual cores (vCPUs), physical cores, sockets, or number of machines**. This includes a variety of software products from Microsoft, IBM, SAP, Oracle, and other vendors →

AWS License Manager works with:

- EC2 – Dedicated Instances, Dedicated Hosts, Spot Instances
- RDS – (Only for Oracle databases)

License type

The counting model used for the license. This may not track the terms of your agreement with your license for vCPUs.

vCPUs	▲
vCPUs	
Cores	in
Sockets	
Instances	

☐ Enforce license limit

Helps prevent usage after available license types are exhausted, e.g. an instance launch requiring new prevent overuse. Not supported for RDS.

For **Microsoft Windows Server** and **Microsoft SQL Server license** you generally need to use a **Dedicated Host**