



# Amazon Web Services as a platform for Microsoft Windows-based workloads



## Lower your costs, increase your agility, and scale your Windows-based applications with Amazon Web Services

In an on-premises datacenter, you must acquire, provision, deploy, and maintain infrastructure based on what you predict to be your future, and peak resource needs. Typically, this process is time consuming and requires large capital investments in infrastructure. As resource demands fluctuate, you may be paying for excess server capacity or waiting on overloaded servers that slow down your applications' performance.

Amazon Web Services offers a broad set of global services spanning compute, storage, database, analytics, and applications, as well as deployment and management solutions. The AWS cloud can help you move faster, increase agility, and scale your Microsoft Windows-based workloads on a secure, reliable, high-performance cloud computing platform with no upfront costs and pay-as-you-go pricing.

## Line of Business Apps and Database Workloads

AWS provides you with flexibility when choosing how to run and maintain your databases. You can select and launch a preconfigured Amazon Machine Image, or AMI, with fully compliant Microsoft Windows Server and Microsoft SQL Server licenses bundled with Amazon EC2 instances. Or you can bring your own license and run Microsoft SQL Server on Amazon EC2. You can also choose to use Amazon RDS for SQL Server, a managed service that makes it easy to set up, operate, and scale SQL Server deployments in the cloud.

### Why run Database Workloads in the AWS Cloud?

- Wide array of choices
- Enterprise-grade security
- Flexible and scalable
- Fully-managed services
- Highly reliable

## Corporate Applications

You can deploy a globally-accessible SharePoint environment to any of the 32 AWS Availability Zones in a matter of hours, enabling collaboration between all of your users worldwide. AWS provides tools to reduce complexity and help you deploy your cloud infrastructure predictably and repeatedly, such as a sample Active Directory Domain Service template for AWS CloudFormation.

### Why run Corporate Applications in the AWS Cloud?

- Compatible with customizations/third-party add-ons
- Bring your own licenses, reduce TCO, and trade CapEx for OpEx
- Broad and deep security services comply with regulatory requirements
- Improve performance of underlying SQL Server databases

## Development and Test

On AWS, you'll have access to the same tools that are available in traditional Microsoft development environments, including a broad range of APIs, toolkits for Visual Studio and PowerShell, and a .NET Developer Center. Additional third-party applications from our network of partners are available in the AWS Marketplace as AMIs or Software as a Service. This combination of agility and scalability can dramatically decrease the length of your development cycle and your application's time to market while reducing project risk.

### Why Develop and Test in the AWS Cloud?

- Complete and deploy faster
- Access a multitude of APIs
- Lower costs and minimize risk
- Utilize the same tools as on-premises
- Automate systems operations

## AWS for Windows is:



Secure



Reliable



High-Performance



Familiar



Cost-Effective



Extensive



Flexible



## Bring your existing Microsoft licenses to Dedicated Hosts

Amazon EC2 offers Dedicated Hosts, which allows you to access hardware that's fully dedicated for your use. You can use your own licensed software on dedicated infrastructure, even without Software Assurance (SA). Amazon EC2 Dedicated Hosts may also enable you to use MSDN licenses on AWS for development and testing.

### Eligible Products

All Microsoft software covered by the Microsoft Product Terms can be deployed on AWS using Amazon EC2 Dedicated Hosts. Examples include:

- Microsoft Windows Server
- Microsoft Exchange Server
- Microsoft Dynamics products
- Microsoft SQL Server
- Microsoft SharePoint Server
- MSDN
- Microsoft Remote Desktop Services
- Microsoft System Center

## Deployment and Management Tools

AWS offers a broad set of options for management tools. You can manage your resources in the AWS cloud with the AWS Management Console or command line interface. You can also leverage some of your existing, familiar management tools by using management packs and add-ins from AWS.

**AWS Elastic Beanstalk** is an easy-to-use service for deploying and scaling web applications and services developed with .NET, Java, PHP, Node.js, Python, Ruby, Go, and Docker on familiar servers such as IIS, Apache, Nginx, and Passenger.

**AWS OpsWorks** is an application management service that makes it easy to deploy and operate Windows-based applications of all shapes and sizes. You can define the application's architecture and the specification of each component including package installation, software configuration and resources such as storage.

**AWS add-ins for Microsoft System Center** extend the functionality of your existing Microsoft System Center implementation. The add-ins are software that you download and install for use with Microsoft System Center Operations Manager and Microsoft System Center Virtual Machine Manager. After you install the add-ins, you can use the familiar System Center interface to view and manage your Amazon EC2 for Microsoft Windows Server resources within the AWS cloud, as well as Windows Servers installed on-premises.

## Support for Microsoft Products

Amazon Web Services supports Microsoft software running on AWS. AWS customers have successfully deployed every Microsoft application available in the AWS cloud, including (but not limited to) Microsoft Office, Windows Server, SQL Server, Exchange Server, SharePoint Server, Lync, Dynamics, and Remote Desktop Services. AWS is a member of the Microsoft Partner Network, licensed to resell Microsoft software via the Services Provider Licensing Agreement, and a Microsoft Gold Certified Hosting Partner. AWS has an active Premier Support agreement with Microsoft.



### Case Study: Dole Foods

Dole Food Company is an American-based agricultural multinational corporation that distributes its products in 90 countries. Searching for a solution to host its MSFT SharePoint sites, the company chose AWS because of cost, efficiency, and to improve operational efficiency. By running on AWS, Dole can launch a new SharePoint website in minutes, host business intelligence and mobile applications globally, and estimates saving \$350,000 in operating expenses.

*"The combination of AWS and SharePoint enabled us to do very flexible builds for internet sites. We can grow anytime we want, we don't have to go and acquire new hardware."*

-Joanna Dyer, Director of IT Solutions, Dole Foods

### Additional resources & info:

[aws.amazon.com/windows](https://aws.amazon.com/windows)

[aws.amazon.com/windows/amis](https://aws.amazon.com/windows/amis)

[aws.amazon.com/ec2/dedicated-hosts](https://aws.amazon.com/ec2/dedicated-hosts)

[aws.amazon.com/windows/resources/licensing](https://aws.amazon.com/windows/resources/licensing)

[aws.amazon.com/windows/faq](https://aws.amazon.com/windows/faq)