

A background image of a modern office with several people working at desks, overlaid with a blue tint. The scene shows a collaborative work environment with people engaged in discussion and work.

# Virtualize and Grow "Do it yourself" Kit

A photograph of three people (two men and one woman) looking at a tablet together. The image is overlaid with a blue tint. The woman in the center is pointing at the screen. The man on the left is smiling.

This quickstart steps through creating a virtual machine and installing webserver on the VM.

### Items included:

1. The cloud is changing business

2. Before you start

3. Log in to Azure

Connect to virtual machine

# 1. The cloud is changing business

These figures illustrate how the public cloud is changing the IT world and how the service providers are in a single position to capitalize on these



**70%**

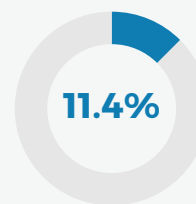
Of total revenues come from managed services, security services and "hosting" applications.

- Hosting Applications  
Administered Services  
Security Services
- Hosting Infrastructure

This is a change from previous years. Service providers are taking advantage of this model and are increasingly looking to move away from ("commodity") basic products offerings to go to single value offer.

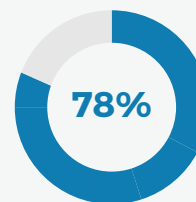
Service providers are responding with cloud-oriented offerings.

More and more small and medium-sized businesses are moving to the cloud and are looking for help on this path to the cloud:



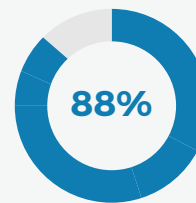
**11.4%**

This is the compound annual growth rate (CAGR) of the cloud services market between 2015-2018



**78%**

Of the small and medium enterprises (SMEs) globally will be using until 2020.



**88%**

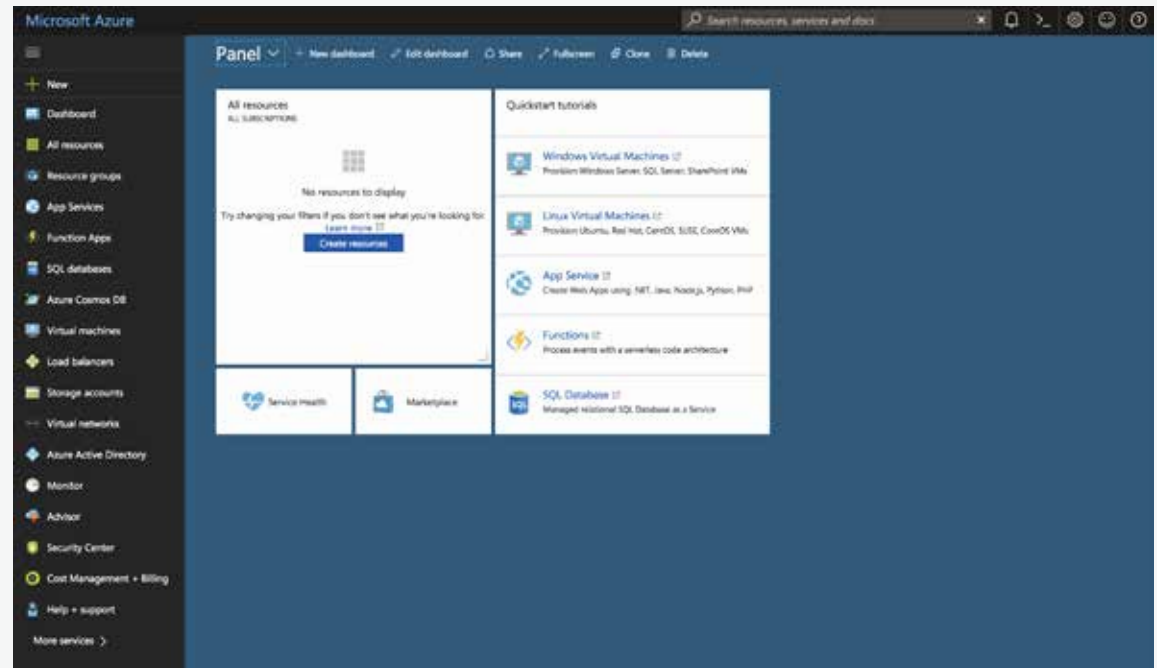
Of SMEs are considering using at least 1 cloud application in the next 2-3 years.

## 2. Before you start

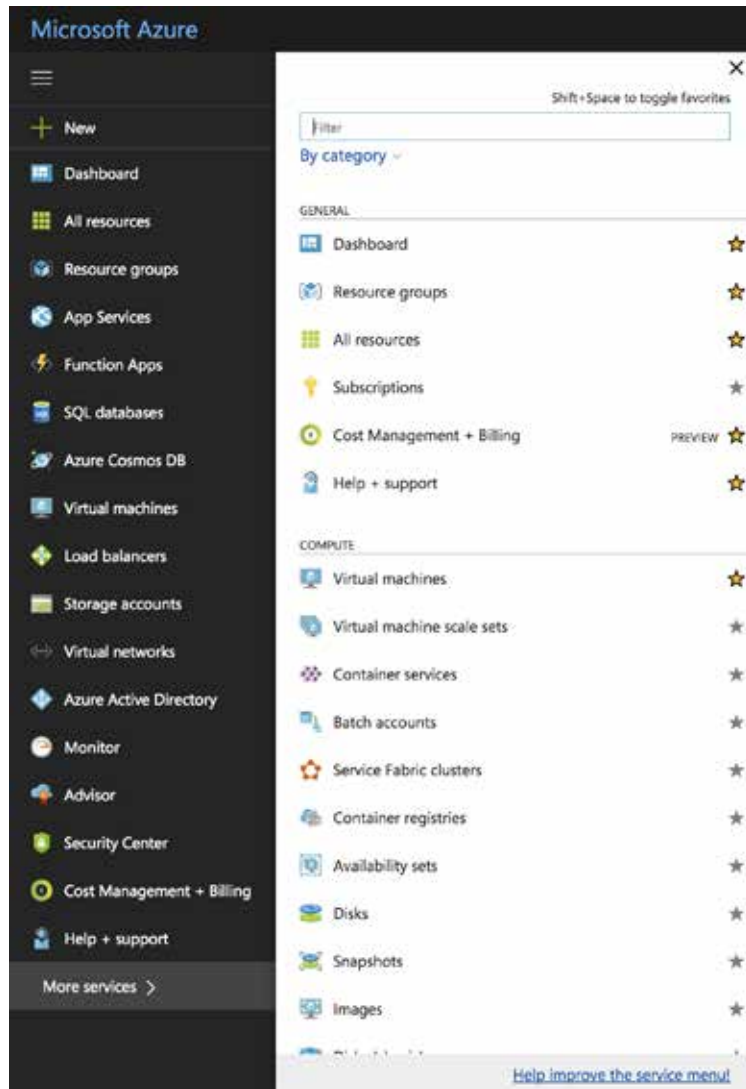
Azure virtual machines can be created through the Azure portal. This method provides a browser-based user interface for creating and configuring virtual machines and all related resources. This quickstart steps through creating a virtual machine and installing a webserver on the VM.

## 3. Log in to Azure

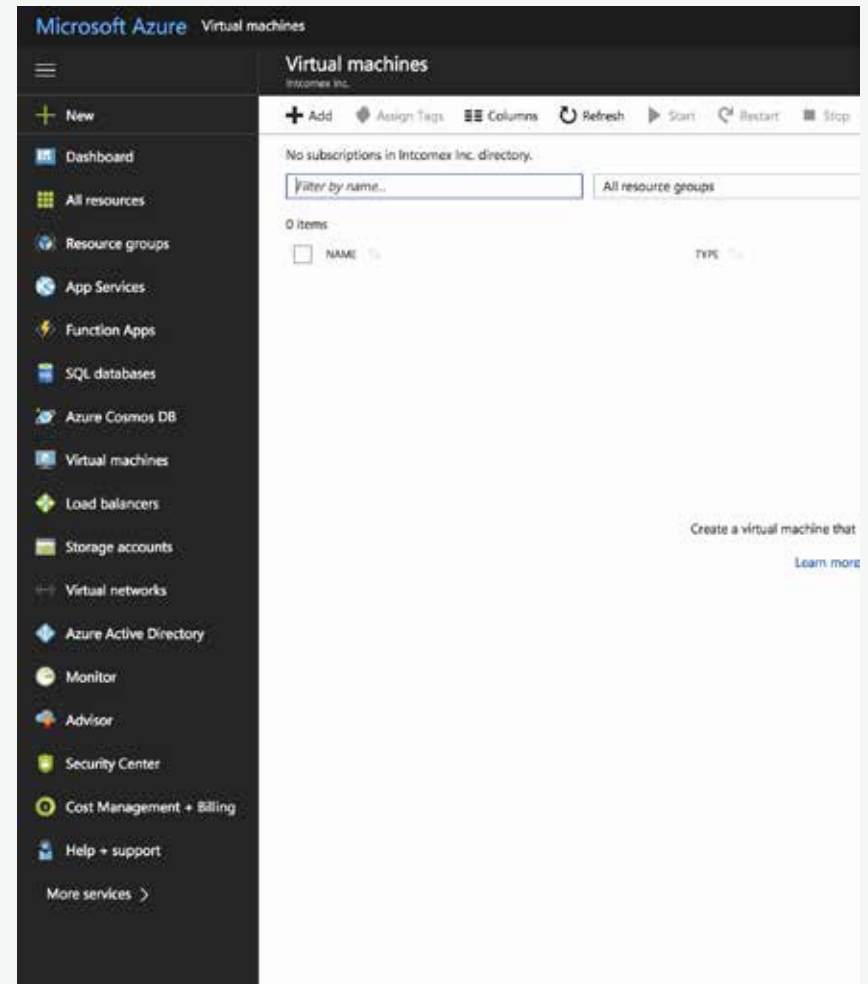
Log in to the Azure portal at <http://portal.azure.com>.



Click **More service** >> **Virtual machine**.



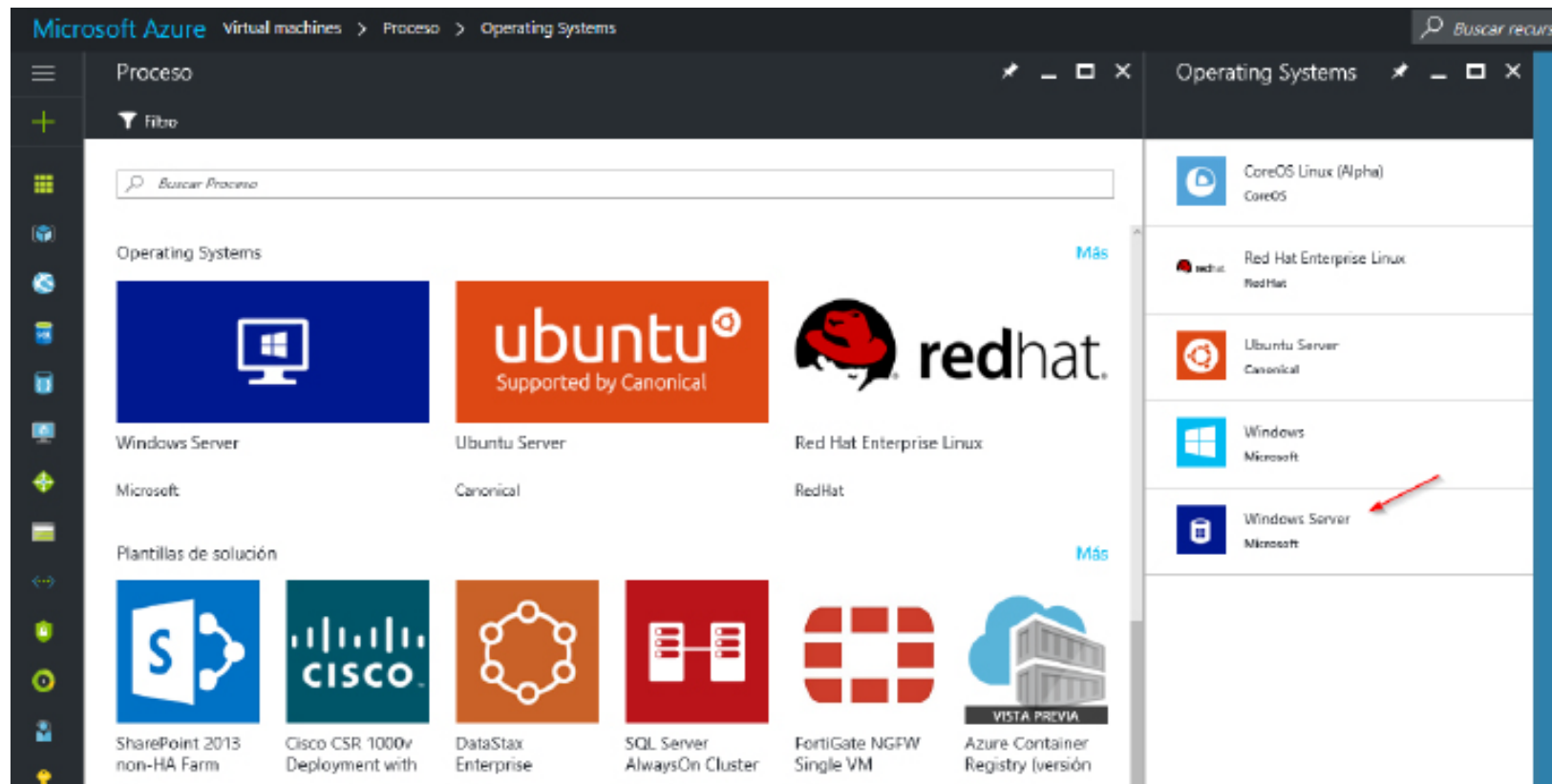
Click **Add**



## Operating Systems >> Windows Server

The screenshot displays the Microsoft Azure portal interface. On the left, a navigation sidebar lists various services including Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor, Advisor, Security Center, Cost Management + Billing, and Help + support. The main content area is titled 'Virtual machines' and shows a 'No Virtual machines to display' message with a 'Create Virtual machines' button. Below this, there are sections for 'Recommended' and 'Virtual Machine Images' with various operating system options like Red Hat Enterprise Linux, Ubuntu Server, and SQL Server.

Operating Systems >> Windows Server



Enter the virtual machine information. The user name and password entered here is used to log in to the virtual machine. When complete, click **OK**.

The screenshot shows the 'Basics' step of the 'Create virtual machine' wizard in the Microsoft Azure portal. The breadcrumb navigation at the top reads 'Microsoft Azure > New > Compute > Create virtual machine > Basics'. The left sidebar contains a vertical list of icons for navigation. The main content area is divided into two columns. The left column shows a progress indicator with four steps: 1. Basics (Configure basic settings), 2. Size (Choose virtual machine size), 3. Settings (Configure optional features), and 4. Summary (Windows Server 2015 Datacenter...). The right column contains the configuration fields for the VM. The 'Name' field is 'myVM'. The 'VM disk type' is 'SSD'. The 'User name' is 'azureuser'. The 'Password' and 'Confirm password' fields are masked with dots. The 'Subscription' is 'Windows Azure MSDN - Visual Studio Ultin'. The 'Resource group' is 'myResourceGroup', with 'Create new' selected. The 'Location' is 'East US'. At the bottom, there is a 'Save money' section with the text 'Save up to 40% with a license you already own.' and a question 'Already have a Windows Server license?' with 'Yes' and 'No' radio buttons. An 'OK' button is located at the bottom right of the form.



### Choose a size

Browse the available sizes and their features

Prices presented are estimates in your local currency that include only Azure infrastructure costs and any discounts for the subscription and location. The prices don't include any applicable software costs. Recommended sizes are determined by the publisher of the selected image based on hardware and software requirements.

Supported disk type:  Minimum memory (GiB):  Minimum cores:

★ Recommended | [View all](#)

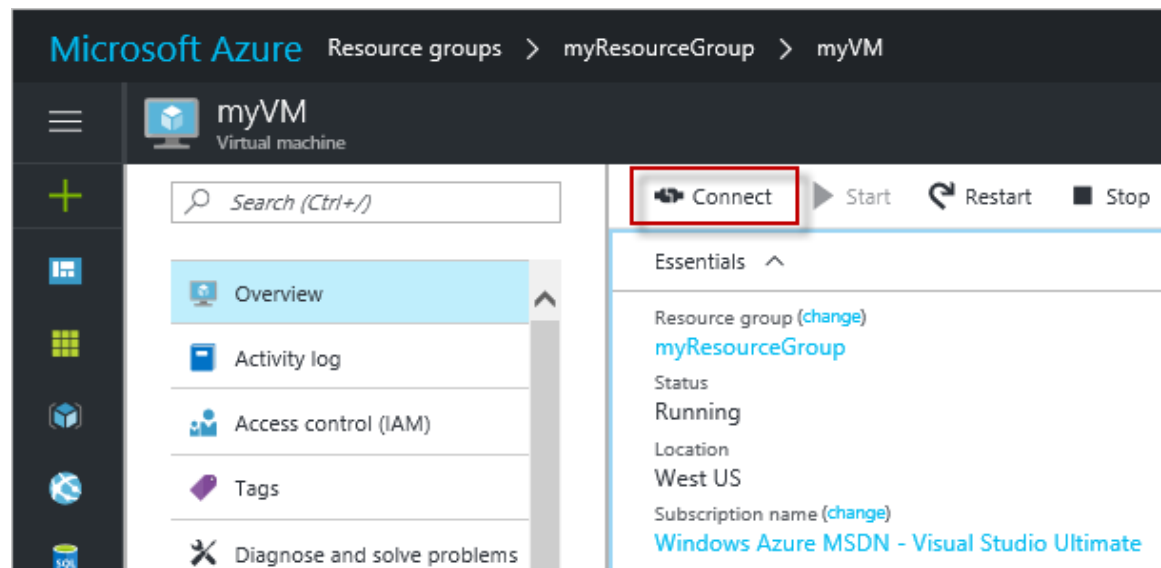
DS1_V2 Standard ★	DS2_V2 Standard ★	DS11_V2 Standard ★
1 Core	2 Cores	2 Cores
3.5 GB	7 GB	14 GB
2 Data disks	4 Data disks	4 Data disks
3200 Max IOPS	6400 Max IOPS	6400 Max IOPS
7 GB Local SSD	14 GB Local SSD	28 GB Local SSD
Load balancing	Load balancing	Load balancing
Premium disk support	Premium disk support	Premium disk support
96.72 USD/MONTH (ESTIMATED)	193.44 USD/MONTH (ESTIMATED)	223.20 USD/MONTH (ESTIMATED)

1. Select a size for the VM. To see more sizes, select **View all** or change the **Supported disk type** filter.
2. Under **Settings**, keep the defaults and click **OK**.
3. On the summary page, click **Ok** to start the virtual machine deployment.
4. The VM will be pinned to the Azure portal dashboard. Once the deployment has completed, the VM summary automatically opens.

# Connect to virtual machine

Create a remote desktop connection to the virtual machine.

1. Click the **Connect** button on the virtual machine properties. A Remote Desktop Protocol file (.rdp file) is created and downloaded.



2. To connect to your VM, open the downloaded RDP file. If prompted, click **Connect**. On a Mac, you need an RDP client such as this Remote Desktop Client from the Mac App Store.
4. Enter the user name and password you specified when creating the virtual machine, then click **Ok**.
5. You may receive a certificate warning during the sign-in process. Click **Yes** or **Continue** to proceed with the connection.



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