

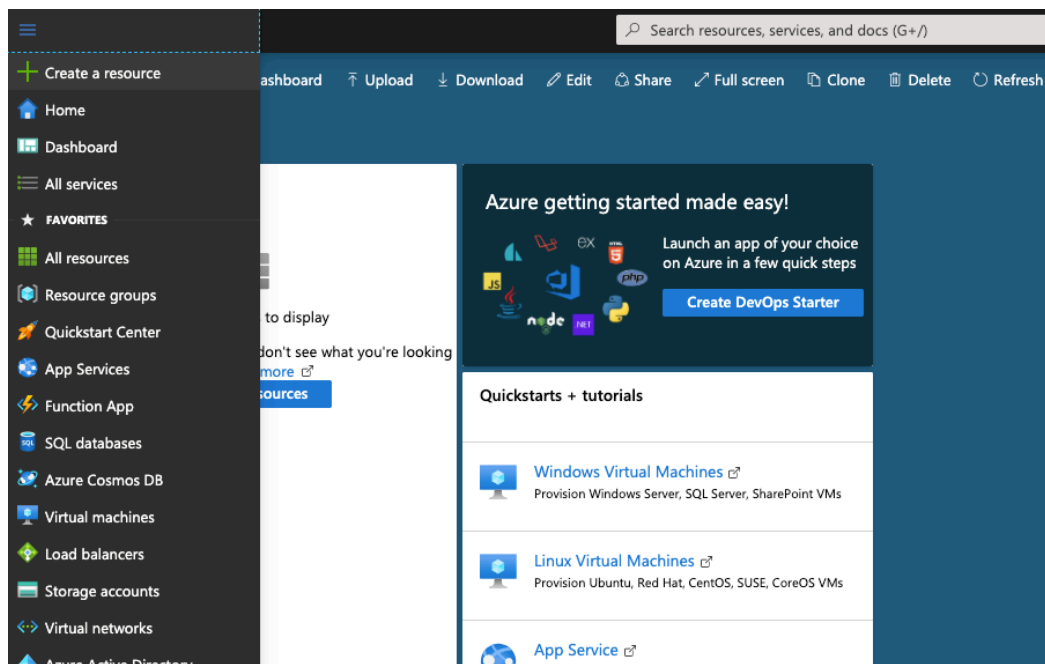
## Pre-Requisites:

1. Download the Microsoft Remote Desktop for MacOS

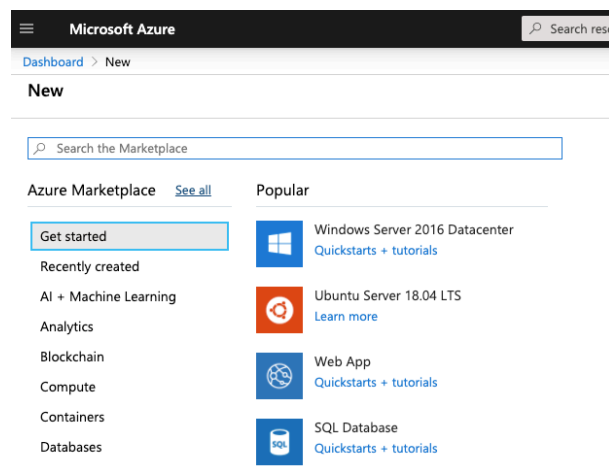
<https://apps.apple.com/app/microsoft-remote-desktop/id1295203466?mt=12>

## Step 1 - Creating a Virtual Machine using Azure Portal

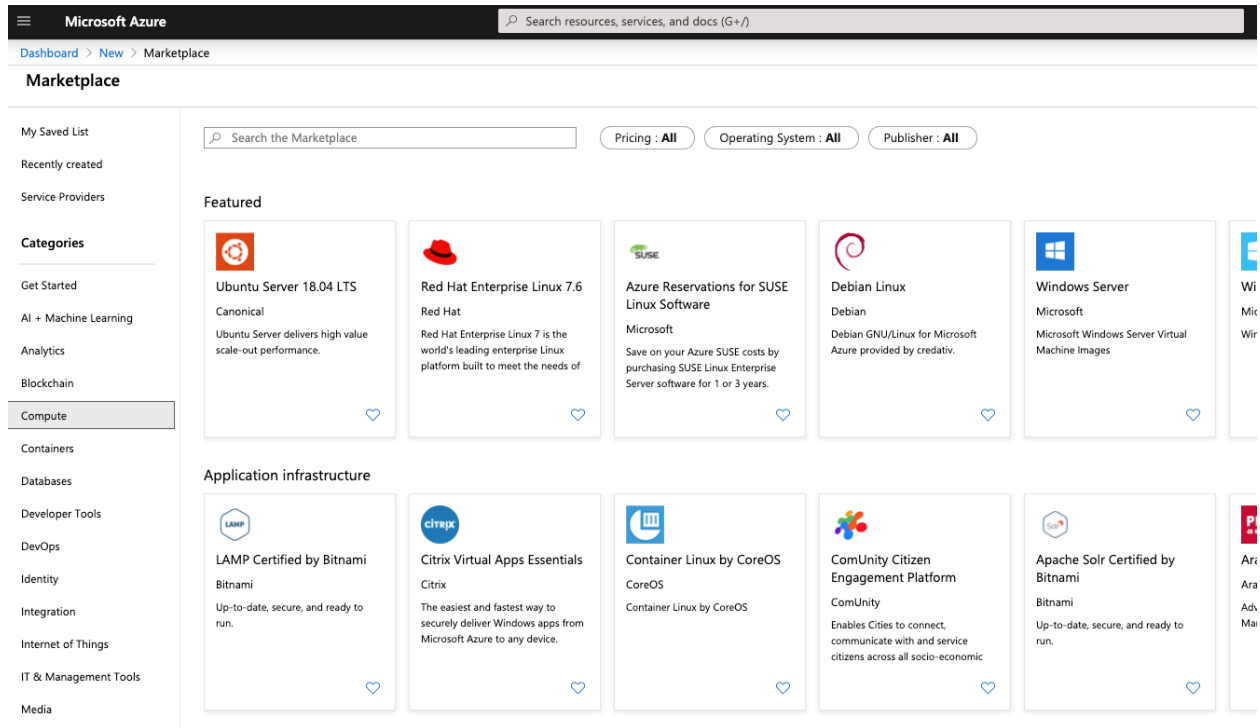
1. Sign in to the Azure Management Portal
2. On the Left Side bar, click + Create a **New Resource**



3. At **Azure Marketplace** Click **See All**



- Click **Compute** and then click the **Windows Server** box.



The screenshot shows the Microsoft Azure Marketplace interface. On the left sidebar, the 'Compute' category is selected. The main content area is divided into two sections: 'Featured' and 'Application infrastructure'.

**Featured Section:**

- Ubuntu Server 18.04 LTS** by Canonical: Ubuntu Server delivers high value scale-out performance.
- Red Hat Enterprise Linux 7.6** by Red Hat: Red Hat Enterprise Linux 7 is the world's leading enterprise Linux platform built to meet the needs of
- Azure Reservations for SUSE Linux Software** by Microsoft: Save on your Azure SUSE costs by purchasing SUSE Linux Enterprise Server software for 1 or 3 years.
- Debian Linux** by Debian: Debian GNU/Linux for Microsoft Azure provided by credativ.
- Windows Server** by Microsoft: Microsoft Windows Server Virtual Machine Images

**Application infrastructure Section:**

- LAMP Certified by Bitnami** by Bitnami: Up-to-date, secure, and ready to run.
- Citrix Virtual Apps Essentials** by Citrix: The easiest and fastest way to securely deliver Windows apps from Microsoft Azure to any device.
- Container Linux by CoreOS** by CoreOS: Container Linux by CoreOS
- ComUnity Citizen Engagement Platform** by ComUnity: Enables Cities to connect, communicate with and service citizens across all socio-economic
- Apache Solr Certified by Bitnami** by Bitnami: Up-to-date, secure, and ready to run.

## Step 2 - Creating a VM

Open the dropdown list and find and the **Windows Server 2019 Datacenter with Containers** then click **Create**


Microsoft Azure

Search resources, services, and docs (G+)

Dashboard > New > Marketplace > Windows Server

### Windows Server

Microsoft



## Windows Server

Save for later

Select a software plan

Windows Server 2019 Datacenter wi...

Create

Start with a pre-set configuration

Deploy with Resource Manager ([change to Classic](#))

Overview

Plans

Windows Server is the operating system that bridges on-premises environments with Azure services enabling hybrid scenarios and maximizing existing investments, including:

- Unique hybrid capabilities with Azure to extend your datacenter and maximize investments
- Advanced multi-layer security to help you elevate your security posture
- Faster innovation for applications enabling Developers and IT Pros to create new and modernize their apps, and
- Unprecedented Hyper-converged Infrastructure to evolve your datacenter infrastructure

#### Available Images

Windows Server 2019 is the latest Long-Term Servicing Channel (LTSC) release with five years of mainstream support + five years of extended support. Choose the image that is right for your application needs.

Latest: **Windows Server 2019**

- Server with Desktop Experience includes all roles including the graphical user interface(GUI)
- [Server Core](#) omits the GUI for a smaller OS footprint, or
- [Containers option](#) with both Nano and Server Core containers pre-installed on Server with Desktop Experience, or Server Core.

Windows Server Semi-Annual Channel releases deliver new operating system capabilities at a faster pace and are based on the Server Core installation option of the Datacenter edition. A new release comes out every six months and is supported for 18 months. Check the [Lifecycle Support Page](#) for support dates and always use the latest release if possible.

#### Terms of Use

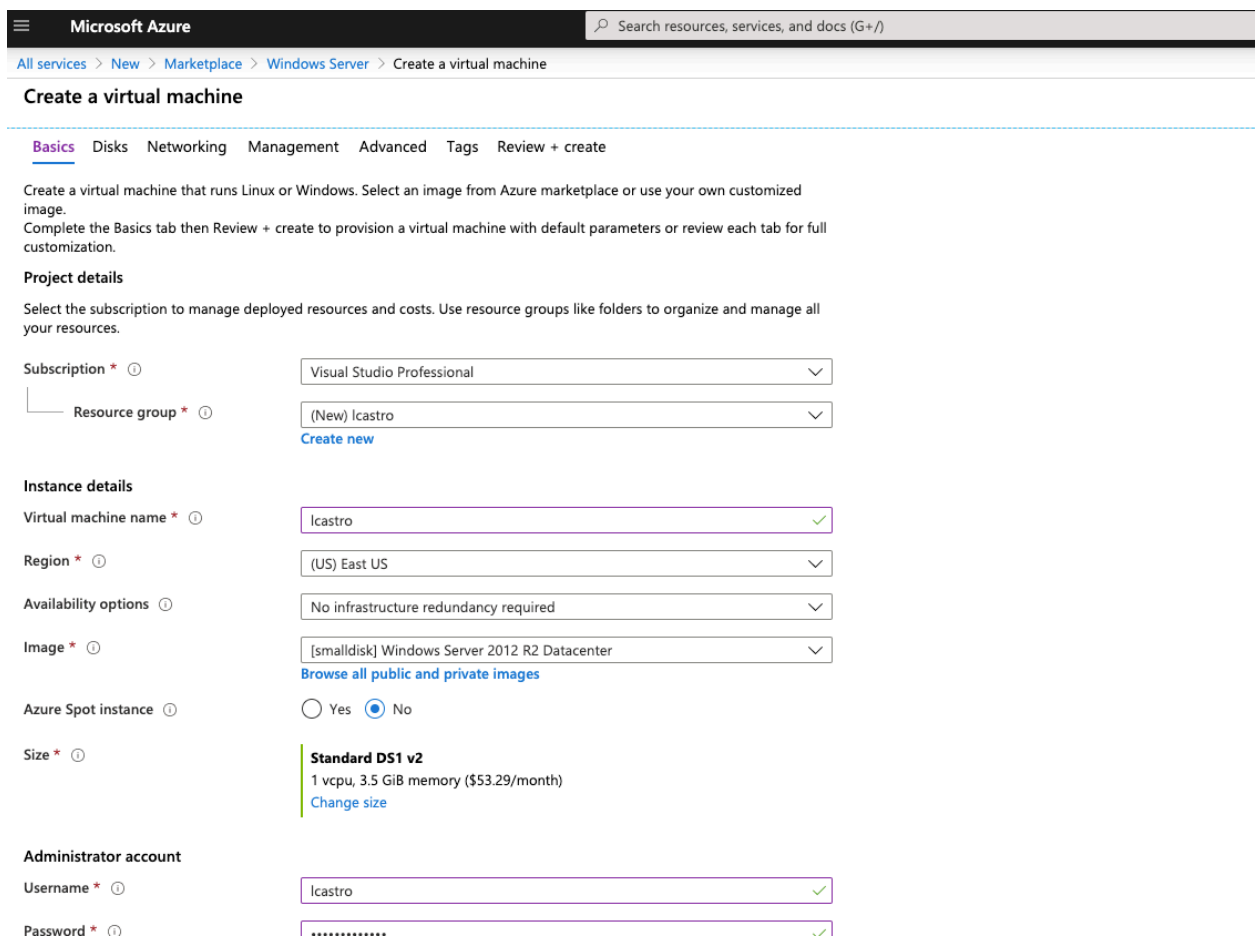
Your use of the Windows Server images from Azure Marketplace Virtual Machine Gallery are provided to you for use with virtual machine instances under your Azure subscription which are governed by the [Online Services Terms](#). These virtual machine instances are limited for use with Azure. All Server images, including Semi-Annual Channel releases, may be used under the [Azure Hybrid Benefit for Windows Server](#).

#### Learn more

[Windows Server Virtual Machine Documentation](#)  
[Windows Server Documentation](#)  
[What's New in Windows Server](#)

Inside the Create Virtual Machine blade that opens, enter:

- **Subscription:** *wteran labs*
- **Resource:** username + RG. Eg: lcastro-RG
- **Name:** username + VM. Eg: lcastro-VM
- **Size:** Standard Ds1 v2
- **User Name:** username. Eg: lcastro
- **Password:** unique password for the administrator account
- **Location:** your region according the instructions: Eg: East US
- Click **Next**



Microsoft Azure

Search resources, services, and docs (G+/)

All services > New > Marketplace > Windows Server > Create a virtual machine

### Create a virtual machine

Basics Disks Networking Management Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image.  
Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization.

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* ⓘ Visual Studio Professional

Resource group \* ⓘ (New) lcastro  
[Create new](#)

**Instance details**

Virtual machine name \* ⓘ lcastro ✓

Region \* ⓘ (US) East US

Availability options ⓘ No infrastructure redundancy required

Image \* ⓘ [smalldisk] Windows Server 2012 R2 Datacenter  
[Browse all public and private images](#)

Azure Spot instance ⓘ ☐ Yes ☒ No

Size \* ⓘ **Standard DS1 v2**  
1 vcpu, 3.5 GiB memory (\$53.29/month)  
[Change size](#)

**Administrator account**

Username \* ⓘ lcastro ✓

Password \* ⓘ ..... ✓

## Creating a VM - Disks

Disk Type:

select the disk size.

(e.g. Standard/Premium(SSD))

Click Next

## Creating a VM - Networking

Leave all default values and Click **Next**

## Creating a VM - Tags

Add a Tag as follow:

Name:

**Name**

Value

**Username** Eg: lcastro

Microsoft Azure

Search resources, services, and docs (G+/)

[All services](#) > [New](#) > [Marketplace](#) > [Windows Server](#) > Create a virtual machine

### Create a virtual machine

[Basics](#) [Disks](#) [Networking](#) [Management](#) [Advanced](#) [Tags](#) [Review + create](#)

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name	Value	Resource
<input type="text" value="Name"/>	<input type="text" value="Lcastro"/>	11 selected
<input type="text"/>	<input type="text"/>	11 selected

## Creating a VM - Settings

Summary: virtual machine summary details before you click on create.

Next Click **Create**

Microsoft Azure

Search resources, services, and docs (G+)

[All services](#) > [New](#) > [Marketplace](#) > [Windows Server](#) > Create a virtual machine

Create a virtual machine

✓ Validation passed

[Basics](#)
[Disks](#)
[Networking](#)
[Management](#)
[Advanced](#)
[Tags](#)
[Review + create](#)

PRODUCT DETAILS

Standard DS1 v2

by Microsoft

[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ

0.0730 USD/hr

[Pricing for other VM sizes](#)

TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

⚠ You have set RDP port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

Basics

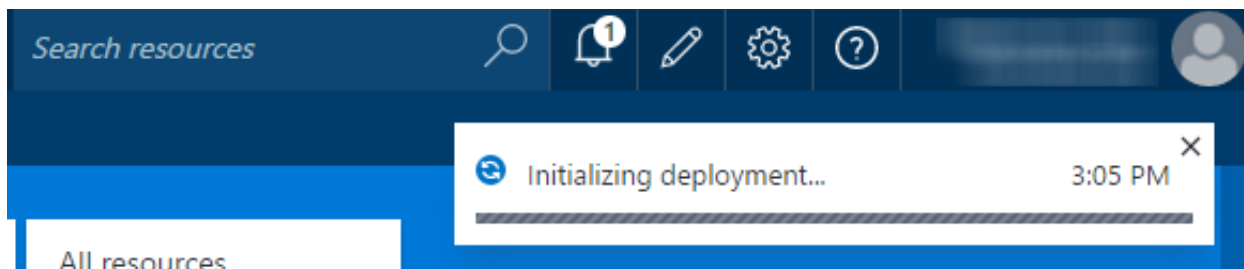
Subscription	Visual Studio Professional
Resource group	(new) lcastro
Virtual machine name	lcastro
Region	East US
Availability options	No infrastructure redundancy required
Username	lcastro
Public inbound ports	RDP
Already have a Windows license?	No

Create

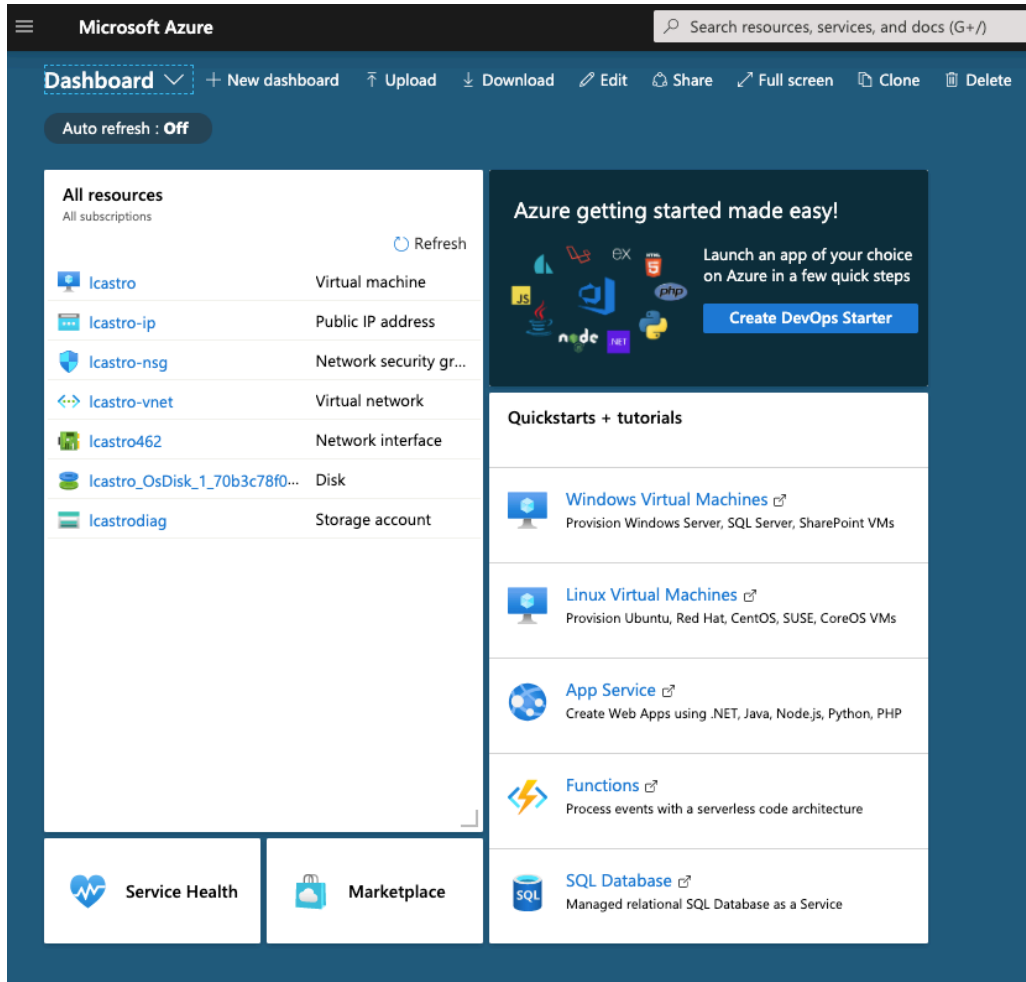
< Previous

Next >

[Download a template for automation](#)



The VM will start being created. You can monitor the creation progress on the Notifications.



The screenshot shows the Microsoft Azure portal dashboard. At the top, there's a search bar and navigation links like 'Dashboard', 'New dashboard', 'Upload', 'Download', 'Edit', 'Share', 'Full screen', 'Clone', and 'Delete'. Below the navigation bar, there's a section for 'All resources' with a list of resources including 'lcastro' (Virtual machine), 'lcastro-ip' (Public IP address), 'lcastro-nsg' (Network security group), 'lcastro-vnet' (Virtual network), 'lcastro462' (Network interface), 'lcastro\_OsDisk\_1\_70b3c78f0...' (Disk), and 'lcastrodiag' (Storage account). To the right of the resource list is a 'Refresh' button. Below the resource list are two buttons: 'Service Health' and 'Marketplace'. On the right side of the dashboard, there's a section titled 'Azure getting started made easy!' with a 'Create DevOps Starter' button. Below this is a 'Quickstarts + tutorials' section with links to 'Windows Virtual Machines', 'Linux Virtual Machines', 'App Service', 'Functions', and 'SQL Database'.

Microsoft Azure

Search resources, services, and docs (G+)

Dashboard ▾ + New dashboard ↑ Upload ↓ Download ✎ Edit 📄 Share ↗ Full screen 📄 Clone 🗑 Delete

Auto refresh : Off

**All resources**  
All subscriptions

Refresh

lcastro	Virtual machine
lcastro-ip	Public IP address
lcastro-nsg	Network security gr...
lcastro-vnet	Virtual network
lcastro462	Network interface
lcastro_OsDisk_1_70b3c78f0...	Disk
lcastrodiag	Storage account

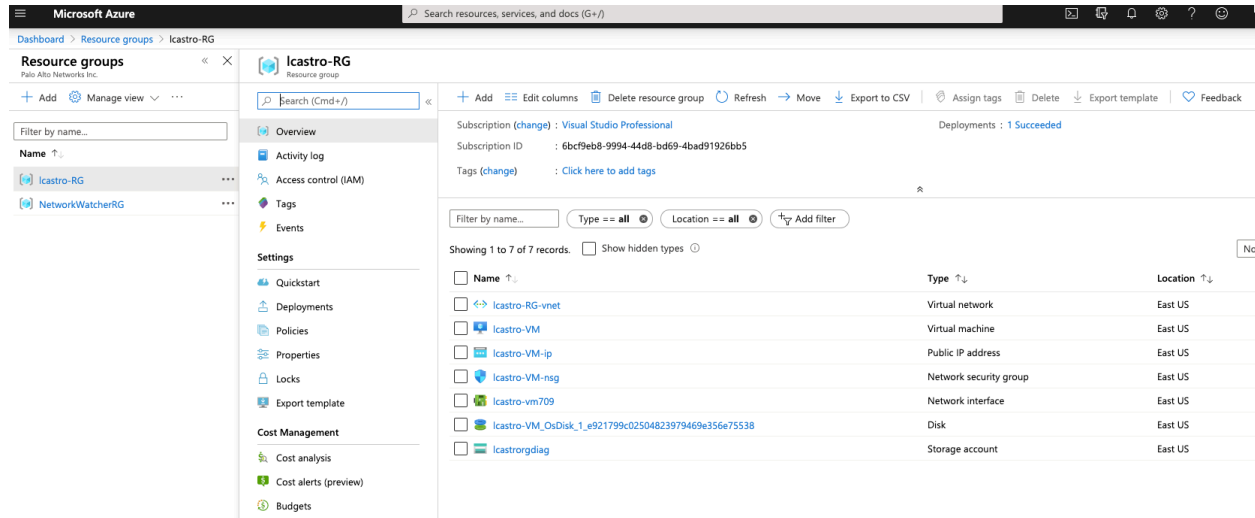
Service Health Marketplace

**Azure getting started made easy!**  
Launch an app of your choice on Azure in a few quick steps  
[Create DevOps Starter](#)

**Quickstarts + tutorials**

- [Windows Virtual Machines](#) ↗  
Provision Windows Server, SQL Server, SharePoint VMs
- [Linux Virtual Machines](#) ↗  
Provision Ubuntu, Red Hat, CentOS, SUSE, CoreOS VMs
- [App Service](#) ↗  
Create Web Apps using .NET, Java, Node.js, Python, PHP
- [Functions](#) ↗  
Process events with a serverless code architecture
- [SQL Database](#) ↗  
Managed relational SQL Database as a Service

Get inside the **Resource Group** you created and look for the Public IP address under username-VM-Ip. Eg: lcastro-VM-IP



Microsoft Azure

Dashboard > Resource groups > lcastro-RG

Resource groups

lcastro-RG

Subscription (change) : Visual Studio Professional

Subscription ID : 6bcf9eb8-9994-44d8-bd69-4bad91926bb5

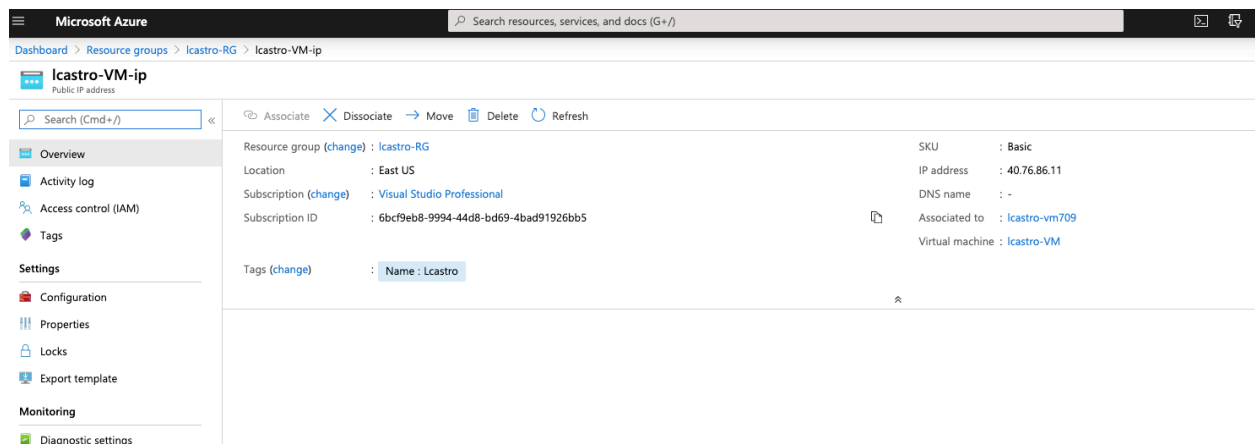
Tags (change) : Click here to add tags

Deployments : 1 Succeeded

Filter by name... Type == all Location == all Add filter

Showing 1 to 7 of 7 records. Show hidden types

Name	Type	Location
lcastro-RG-vnet	Virtual network	East US
lcastro-VM	Virtual machine	East US
lcastro-VM-ip	Public IP address	East US
lcastro-VM-nsg	Network security group	East US
lcastro-vm709	Network interface	East US
lcastro-VM_OsDisk_1_e921799c02504823979469e356e75538	Disk	East US
lcastro-rdiag	Storage account	East US



Microsoft Azure

Dashboard > Resource groups > lcastro-RG > lcastro-VM-ip

lcastro-VM-ip

Public IP address

Associate Dissociate Move Delete Refresh

Resource group (change) : lcastro-RG

Location : East US

Subscription (change) : Visual Studio Professional

Subscription ID : 6bcf9eb8-9994-44d8-bd69-4bad91926bb5

Tags (change) : Name : lcastro

SKU : Basic

IP address : 40.76.86.11

DNS name : -

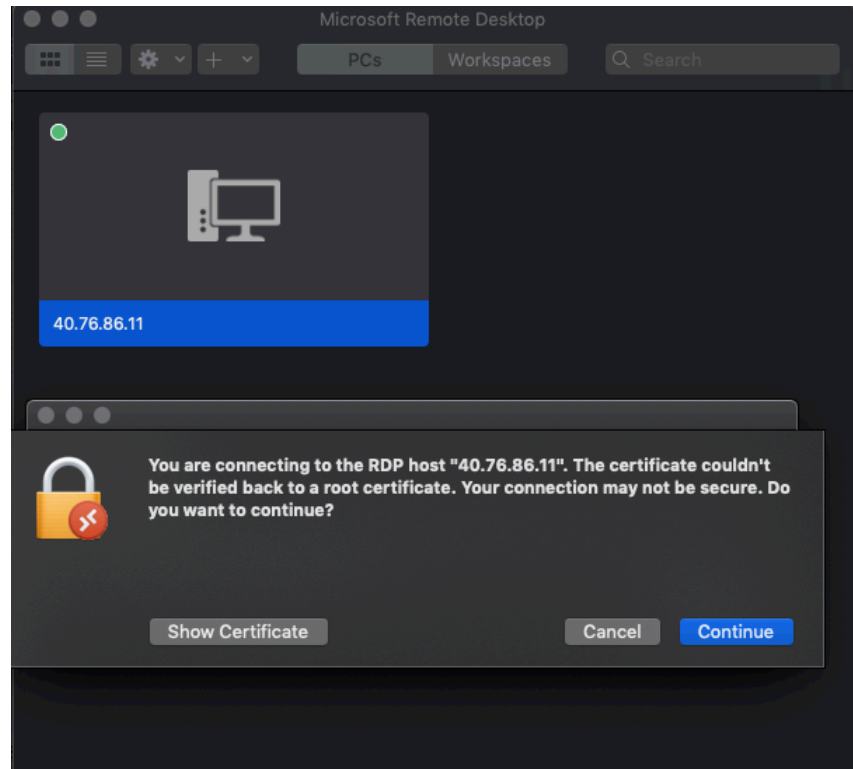
Associated to : lcastro-vm709

Virtual machine : lcastro-VM

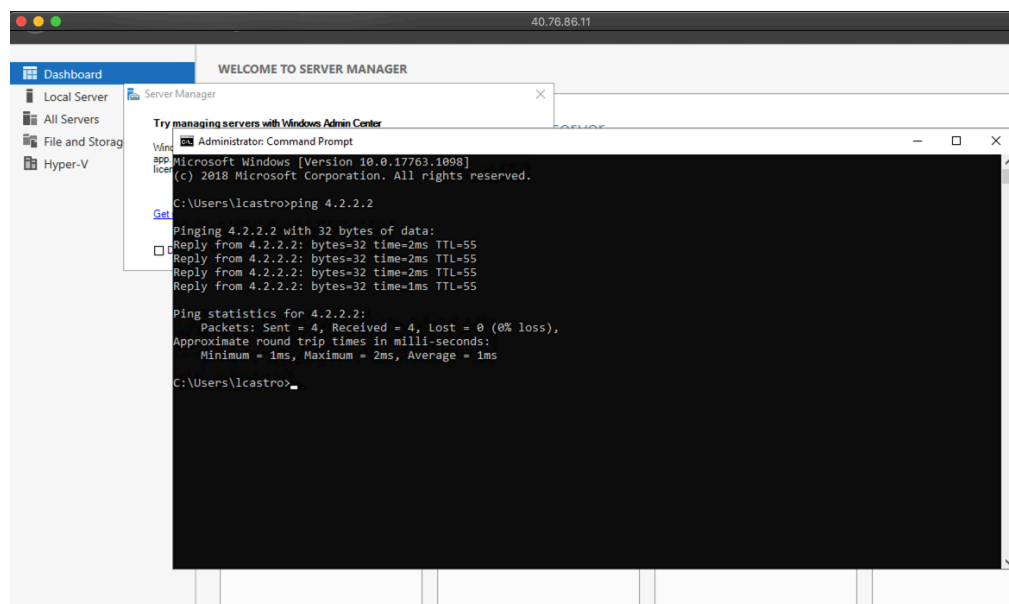


### Step 3 - Connect via Microsoft Remote Desktop

Connect to the VM with the IP address and User Credentials created, you can also Download RDPs connection for the server



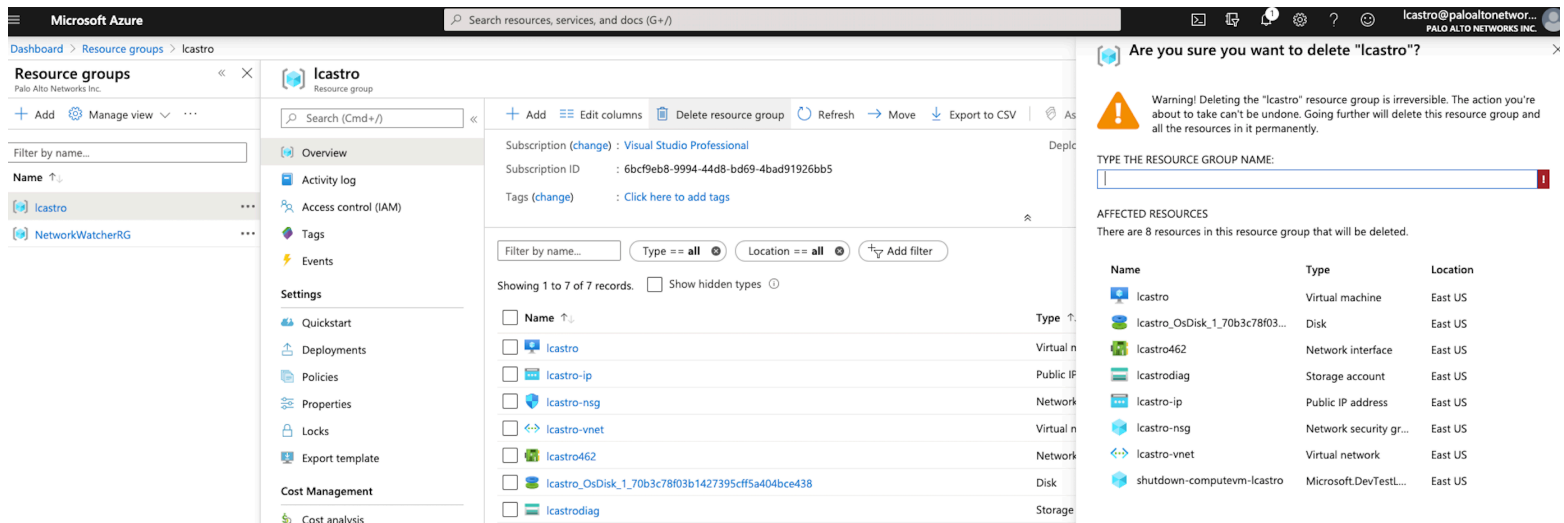
Once you are inside the VM open a CMD Terminal and Ping 4.2.2.2



## Step 4

Delete everything by deleting the Resource Group

Go to **Dashboard > Resource Groups > Username-RG > Delete Resource Group**



The screenshot shows the Microsoft Azure portal interface. On the left, the 'Resource groups' list includes 'lcastro' and 'NetworkWatcherRG'. The main pane displays the 'lcastro' resource group details, including its subscription ID and a list of resources. A confirmation dialog is open on the right, asking 'Are you sure you want to delete "lcastro"?'. The dialog includes a warning message and a table of affected resources.

**Are you sure you want to delete "lcastro"?**

Warning! Deleting the "lcastro" resource group is irreversible. The action you're about to take can't be undone. Going further will delete this resource group and all the resources in it permanently.

TYPE THE RESOURCE GROUP NAME:

AFFECTED RESOURCES

There are 8 resources in this resource group that will be deleted.

Name	Type	Location
lcastro	Virtual machine	East US
lcastro_OsDisk_1_70b3c78f03...	Disk	East US
lcastro462	Virtual network	East US
lcastrodiag	Network interface	East US
lcastro-ip	Storage account	East US
lcastro-nsg	Public IP address	East US
lcastro-vnet	Network security group	East US
shutdown-computevm-lcastro	Virtual network	East US