

TD SYNnex SMB Essentials

Click-to-Run™ Step-by-Step Deployment Guide

A background image showing three people in a meeting. A man is standing and looking at a laptop screen. Two women are sitting at a desk, looking at the screen. The image is overlaid with a dark teal color.

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Things to Know Prior to Using This Guide

1. You would need to familiarize yourself with this document prior to diving in.
2. All the screen shots in this guide are for reference only.
3. This guide will assist you with the deployment of the SMB Essentials bundle in an Azure CSP subscription that was purchased through the StreamOne® Cloud platform.
 - o In-depth training on Azure is outside of this guide.
4. Accessing the SMB Essentials bundle in Azure
 - o You would need to login to the Azure portal to get the IP address.
 1. <https://portal.azure.com>
 2. You would need to login using the same username and password as the one created in StreamOne® and what was emailed to you.
5. For example: john.doe@contoso.onmicrosoft.com
6. It will give you a one-time password and you will need to change it.
 1. To access Azure Virtual Machines, you must ensure you have the Login and Password that was created during the StreamOne® ordering process.
 2. If you were not the person who accessed the StreamOne® ordering portal to do the purchasing, please get with that person and obtain the user login and password that was initially created.

Solution Overview

Partners can leverage this Click-to-Run™ solution which has been optimized so that SMB partners can deploy in a single deployment a combination of solutions that are essential on delivering a versatile and scalable modern computing environment. These solutions include adding a virtual network, create a storage account, options to deploy a File Share, Windows Domain Server, and Azure SQL Database.

Configure your SMB Essentials v1 Solution

DEPLOYMENT TYPE

Deployment Type
New Deployment ▼

Data center location
Select an available Azure Region ▼

Resource group name

BASIC SETTINGS - COMMON INFRASTRUCTURE PARAMETERS

Customer Resources Prefix
SMB

Windows Server OS Version
Select a Windows Server edition ▼

Administrator User Name

Administrator Password

Confirm Password

Solution Key Features

IT Foundation: Secure, reliable and (cost) efficient all-in-one ICT system, designed to make your SMB business future proof.

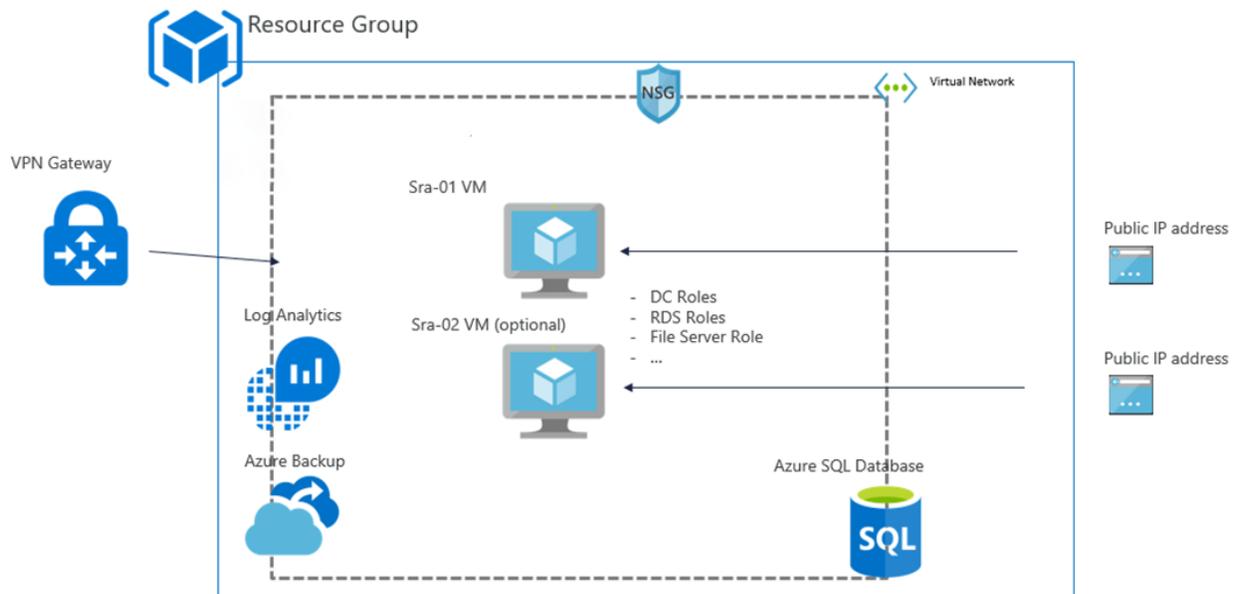
Scale on Demand: Support your mission-critical applications and workloads with instant and scalable infrastructure. Focus on your business needs instead of spending the time and money it takes to plan, procure, secure, and manage the right infrastructure to meet your application.

Cost-effective Package sizes: You can select different initial sizing for your IT foundation. Cost-effective packages.

High availability: Build a reliable IT foundation for your customer with 99.9% SLA on Microsoft Azure Infrastructure.

Customizable Deployment: Customize your deployment with different VM sizes to meet your customer needs.

Architectural Diagram



First, you must select your deployment type.

DEPLOYMENT TYPE

Deployment Type

New Deployment

A New Deployment means we will create a new virtual network.

DEPLOYMENT TYPE

Deployment Type

Existing Deployment

EXISTING ENVIRONMENT

Select an existing Virtual Network

Select an existing Virtual Network from your subscription

Select an existing subnet

Select an existing subnet

An Existing Deployment lets you deploy into an already existing virtual network and an already existing subnet. The idea is also to let you perform a domain join by using **the virtual network where your domain controller is located**.

We will explore the deployment process going through these two scenarios.

New Deployment

Here we selected New Deployment.

Select Location from location drop down and fill in the Resource Group Name.

DEPLOYMENT TYPE

Deployment Type
New Deployment

Data center location
West Europe

Resource group name
wm-smb

Existing Deployment

An Existing Deployment lets you deploy into an already existing virtual network and an already existing subnet. The idea is also to let you perform a domain join by using **the virtual network where your domain controller is located (if deploying Windows VM)**.

DEPLOYMENT TYPE

Deployment Type
Existing Deployment

EXISTING ENVIRONMENT

Select an existing Virtual Network
Select an existing Virtual Network from your subscription

Select an existing subnet
Select an existing subnet

Once you have selected Existing Deployment, Select the existing virtual network and the existing subnet you plan to use. If you plan to perform a domain join, use the virtual network where the domain controller is located. If you do not plan to, use any other existing virtual network. The Data Center Location will be the one where the Virtual Network is located. Please also fill in the Resource Group Name.

EXISTING ENVIRONMENT

Select an existing Virtual Network

ADVNETwm-idmngmt (Resource Group: wm-idmngmt) ▼

Select an existing subnet

ADStaticSubnetwm-idmngmt (IP Subnet: 10.0.0.0/24) ▼

📍 Data center location (based on virtual network selected below)

West Europe ▼

Resource group name

wm-smb

Basic Settings

Defining the Resource prefix.

BASIC SETTINGS - COMMON INFRASTRUCTURE PARAMETERS

📍 Customer Resources Prefix

SMB

Then select the Windows Server OS Version and fill in Admin Username and Admin Password.

Windows Server OS Version

Windows Server 2022 Datacenter Edition ▼

Administrator User Name

williamm

Administrator Password

.....

Confirm Password

.....

Please note that the Admin Username and the Admin Password will be used to access the Virtual Machine.

Then define a Storage Account Name.

BASIC SETTINGS - STORAGE ACCOUNT

Storage Account name

 Enable Azure File

You can choose to deploy an Azure File Share. If so, you will have to define a File Share name and its storage quota. If you choose to deploy it, it will be mounted to the deployed Virtual Machines.

BASIC SETTINGS - STORAGE ACCOUNT

Storage Account name

 Enable Azure File

File Share name

FILE SHARE QUOTA IN GB



0 512 1024 1536 2048 2560 3072 3584 4096 4608 5120

We will then move on to the configuration of the main Virtual Machine. You can define the Virtual Machine Size, the kind of disk, and their sizes for the OS Disk and the Data Disk.

MAIN VIRTUAL MACHINE

Size of compute instance for the Main Virtual Machine

D4s v3 (4 vCPU's 16 GiB Memory) ▼

Use premium storage for the OS Disk

Size of the OS Disk

256 GB ▼

Use premium storage for the Data Disk(s)

Size per Data Disk

512 GB ▼

You can also choose to deploy Extra Virtual Machines that will be used as Session Hosts.

EXTRA VIRTUAL MACHINES

Deploy one or more Extra Virtual Machines (optional)

If you decide to deploy Extra Virtual Machines, you will have to choose how many you want to deploy, the size of these Virtual Machines, the type, and the size of the OS Disk.

EXTRA VIRTUAL MACHINES

Deploy one or more Extra Virtual Machines (optional)

Number of Extra Virtual Machines to deploy

1 Extra VM ▼

Size of compute instance for the extra Virtual Machine

D4s v3 (4 vCPU's 16 GiB Memory) ▼

Use premium storage for the OS Disk for the extra Virtual Machines

Size of the OS Disk

128 GB ▼

We will now move on to the Advanced Settings – Windows Domain.

Windows Domain - Existing Deployment

If you decide to deploy SMB Essentials solution into an existing environment, you will have to perform a Domain Join. You will have to input the domain you plan to join, the Admin User for the AD Domain, and his password, and finally acknowledge you verified the Domain Credentials.

ADVANCED SETTINGS - WINDOWS DOMAIN

EXISTING WINDOWS DOMAIN

Note: we will not be able to validate the credentials entered during bundle configuration. Make sure all information is entered correctly and confirm below before proceeding. Invalid domain credentials will result in failed deployments.

Domain to join

Administrative username for the AD domain

Administrative password for the AD domain

Verify and acknowledge domain credentials

Windows Domain - New Deployment

If you decide to deploy SMB Essentials solution into a new environment, you can decide to deploy the Domain Controller Role on a separate VM or on the Main VM where we will deploy the RDS Role (not recommended).

If you plan to deploy it on a separate VM, you will have to define the Domain Name, the Domain Controller VM Size, the type and size of the OS Disk and of the Data Disk.

ADVANCED SETTINGS - WINDOWS DOMAIN

NEW WINDOWS DOMAIN

Domain Controller Deployment Method
Deploy the Domain Controller on a separate VM

Domain name
williamtest.fr

Domain Controller virtual machine size
D2s v3 (2 vCPU's 8 GiB Memory)

Use premium storage for the OS Disk

Size of the OS Disk
128 GB

Use premium storage for the Data Disk(s)

Size of the Data Disk
256 GB

Regarding the type of Virtual Network that you can use:

1. Default Virtual Network has a Management Subnet and a Gateway Subnet.
2. Advanced Virtual Network has a Management Subnet, a DMZ Subnet, an Emergency Subnet, and a Gateway Subnet.

Moving on to the Backup part, you can choose to enable Azure Backup and to enable it to backup Virtual Machines. If you choose to deploy an Azure File Share, you will also have the possibility to enable Azure Backup on it.

Advanced Settings – Backup

ADVANCED SETTINGS - BACKUP

Enable Azure Backup

Enable Azure Backup for the Virtual Machines

Enable Azure Backup on the Azure File Share

Azure Backup Account Type

Locally redundant storage

Time Zone for your Azure Backup

(UTC+01:00) Brussels, Copenhagen, Madrid, Paris

You will also have the possibility to choose the Azure Backup Account Type and the Time Zone to be used for the Backup Policies.

ADVANCED SETTINGS - LOG ANALYTICS

Log Analytics Location

West Europe

Now you will have to select the Log Analytics Location.

And finally, you can choose to deploy an Azure SQL Database that could be used for a LOB Application that you could potentially deploy in the future.

ADVANCED SETTINGS - AZURE SQL DB (OPTIONNAL)

Enable Azure SQL Database

Azure SQL Database Edition
Standard

Azure SQL Database Standard Edition Pricing Tier
Standard S1

SQL Server name
sqlservsmbw

SQL Database Name
sqlsmbw

SQL Server administrator login
williamm

SQL Server administrator password
.....

Confirm administrator password
.....

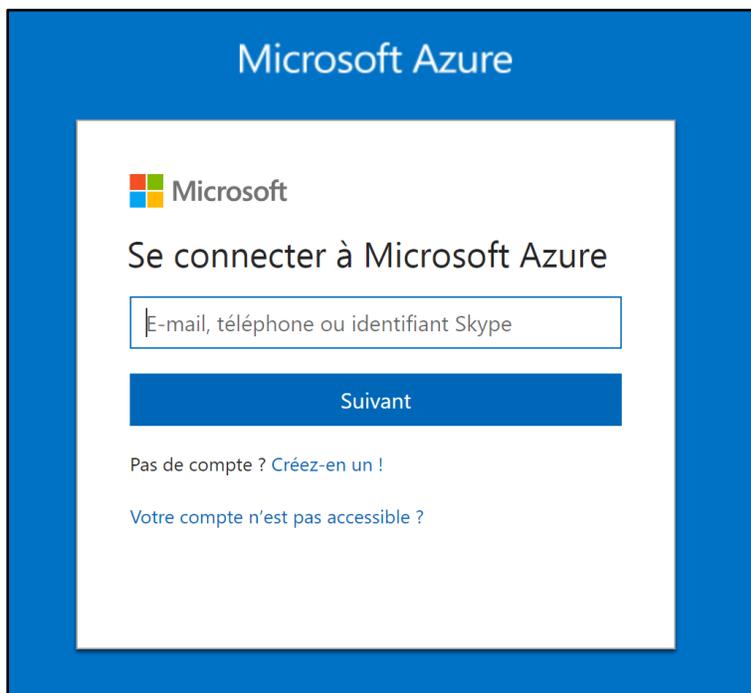
You can now click on Deploy Now!

Deploy Now

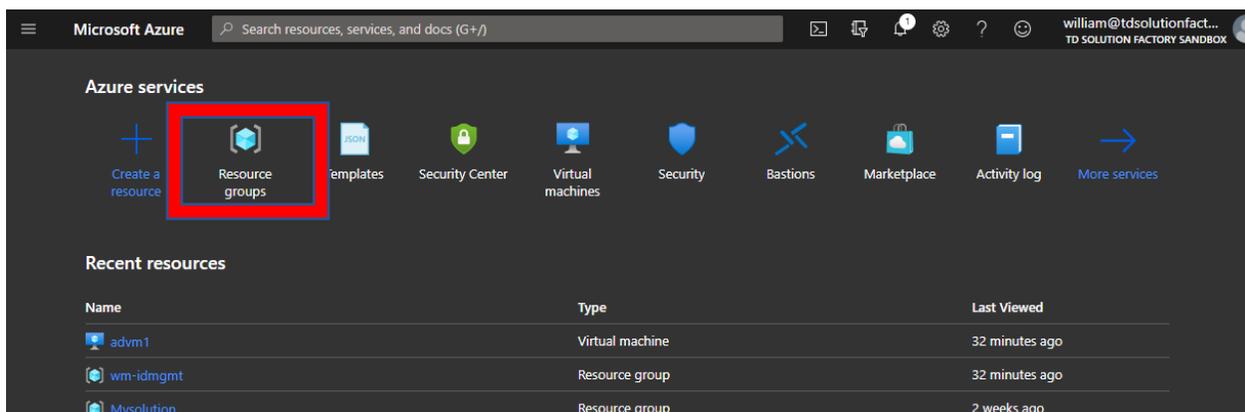
How to Connect

Connect to the Azure Portal with your credentials.

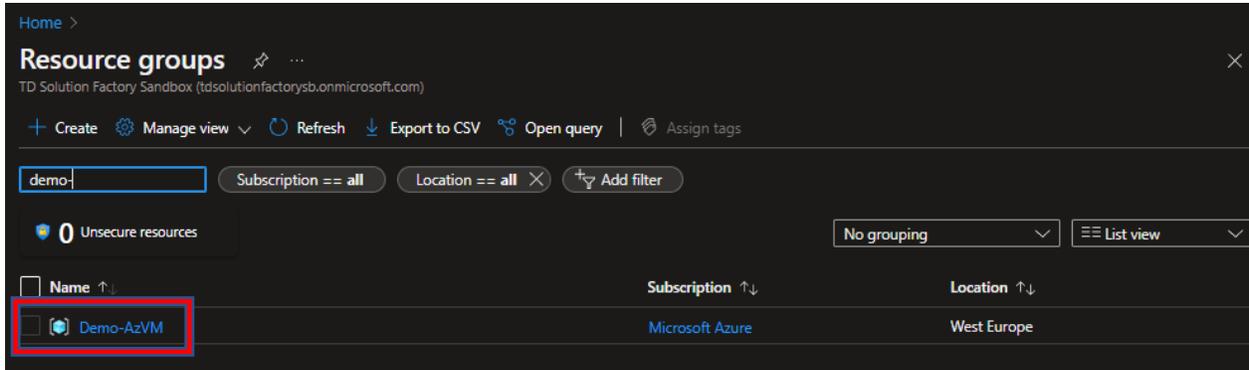
- You would need to login to the Azure portal to get the IP address
 - <https://portal.azure.com>
 - You would need to login using the same username and password as the one created in StreamOne® and what was emailed to you.
- For example: john.doe@contoso.onmicrosoft.com
- It will give you a one-time password and you will need to change it.



You will then be connected to the Azure Portal. Go to Resource groups.



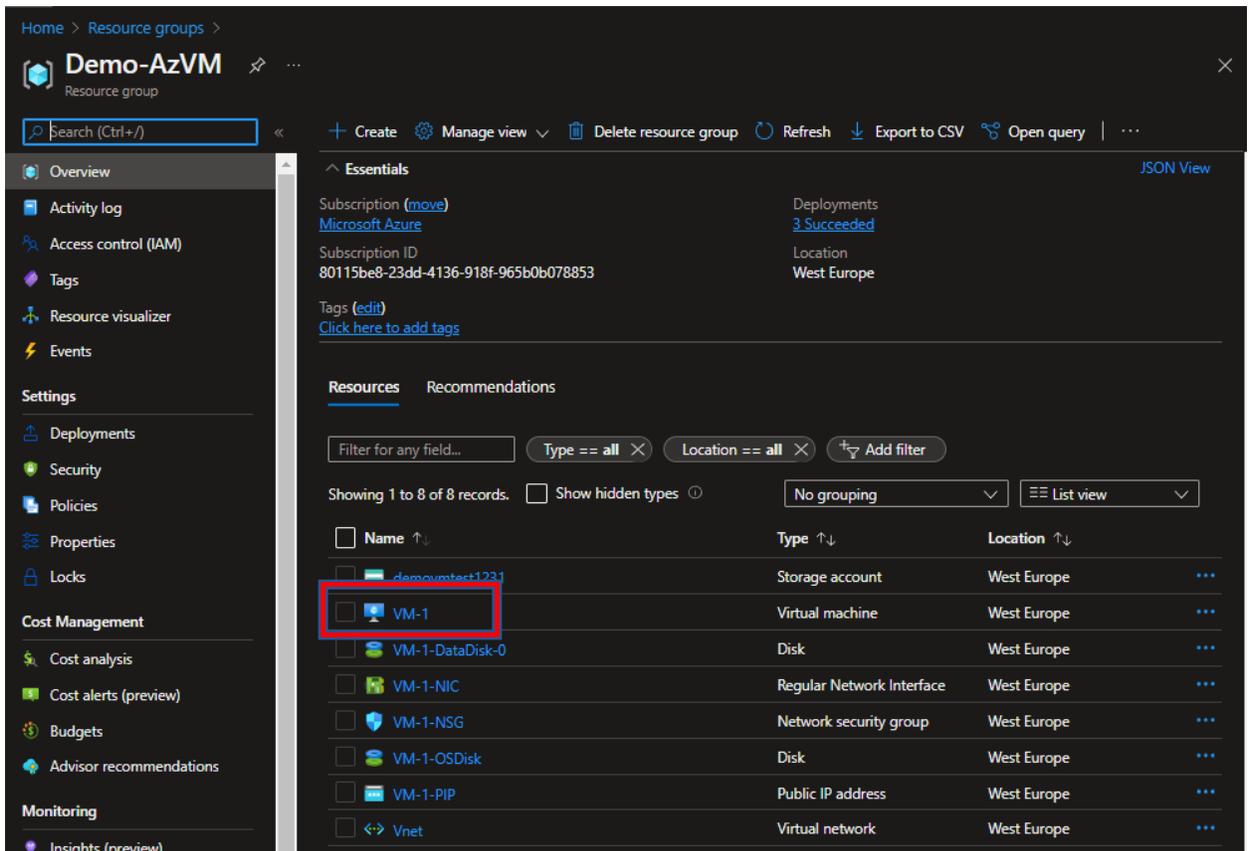
You will find the Resource Group into which your resources have been deployed.



The screenshot shows the Azure portal interface for 'Resource groups'. The search bar contains 'demo'. The table below shows one resource group:

| Name | Subscription | Location |
|-----------|-----------------|-------------|
| Demo-AzVM | Microsoft Azure | West Europe |

You will then see your resources listed.

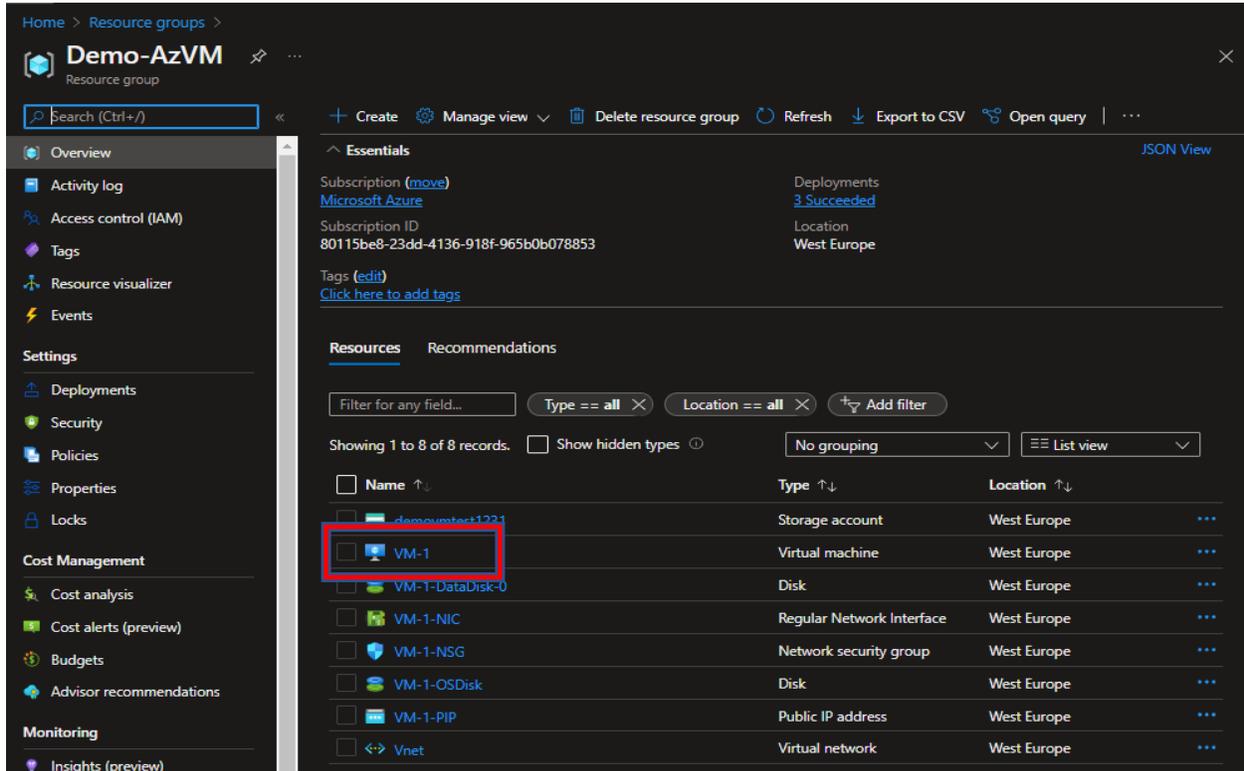


The screenshot shows the 'Demo-AzVM' resource group page. The left sidebar contains navigation options like Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Events, Settings, Deployments, Security, Policies, Properties, Locks, Cost Management, and Monitoring. The main content area shows the 'Resources' tab with a table of resources:

| Name | Type | Location |
|-----------------|---------------------------|-------------|
| democtest1231 | Storage account | West Europe |
| VM-1 | Virtual machine | West Europe |
| VM-1-DataDisk-0 | Disk | West Europe |
| VM-1-NIC | Regular Network Interface | West Europe |
| VM-1-NSG | Network security group | West Europe |
| VM-1-OSDisk | Disk | West Europe |
| VM-1-PIP | Public IP address | West Europe |
| Vnet | Virtual network | West Europe |

More secure methods such as Just in Time Access, Azure Bastion, or even VPN access are recommended.

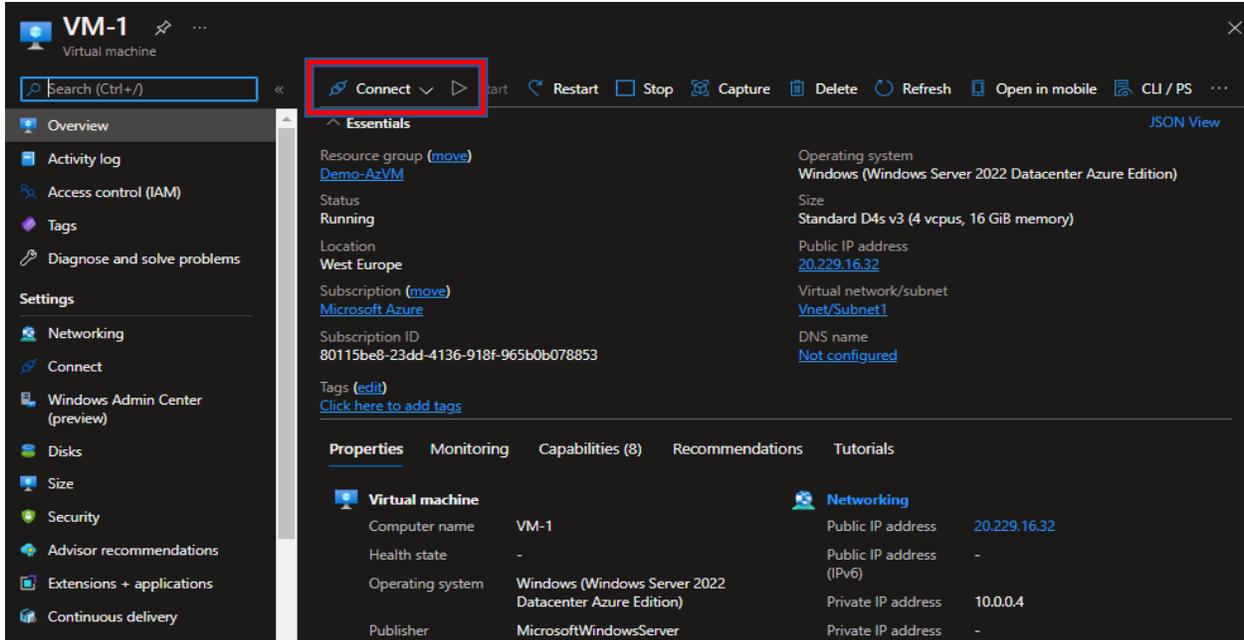
To connect, go to your Resource Group and find your Virtual Machine:



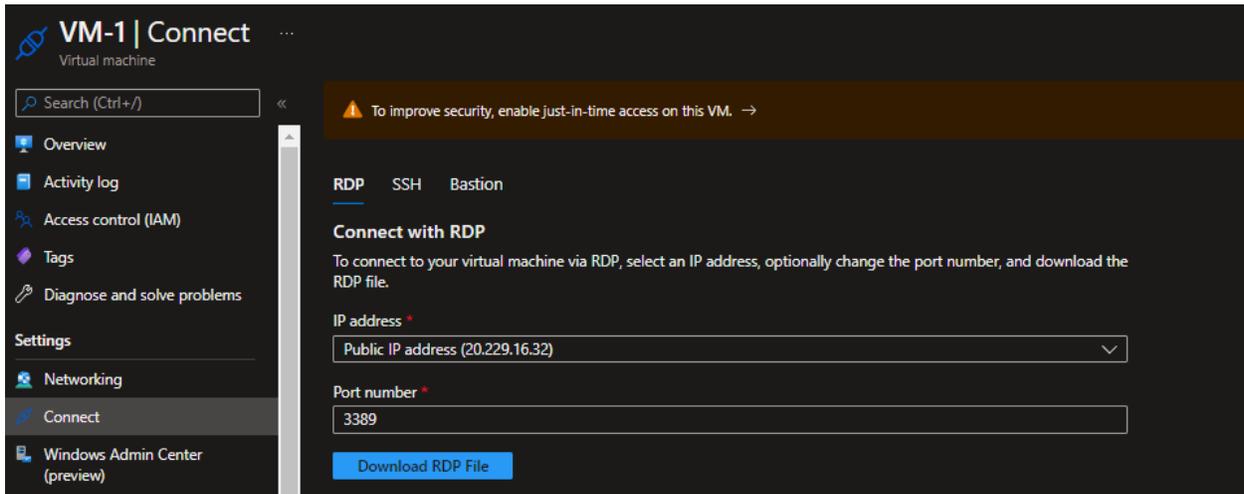
The screenshot shows the Azure portal interface for a resource group named "Demo-AzVM". The left sidebar contains navigation options such as Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Events, Settings, Deployments, Security, Policies, Properties, Locks, Cost Management, and Monitoring. The main content area displays the "Resources" section, which includes a search bar, filters (Type == all, Location == all), and a table of resources. The table has columns for Name, Type, and Location. The resource "VM-1" is highlighted with a red box.

| Name | Type | Location |
|-----------------|---------------------------|-------------|
| demooumtest1231 | Storage account | West Europe |
| VM-1 | Virtual machine | West Europe |
| VM-1-DataDisk-0 | Disk | West Europe |
| VM-1-NIC | Regular Network Interface | West Europe |
| VM-1-NSG | Network security group | West Europe |
| VM-1-OSDisk | Disk | West Europe |
| VM-1-PIP | Public IP address | West Europe |
| Vnet | Virtual network | West Europe |

Click onto the “Connect” button, then RDP:



Click onto the “Download RDP File” button:

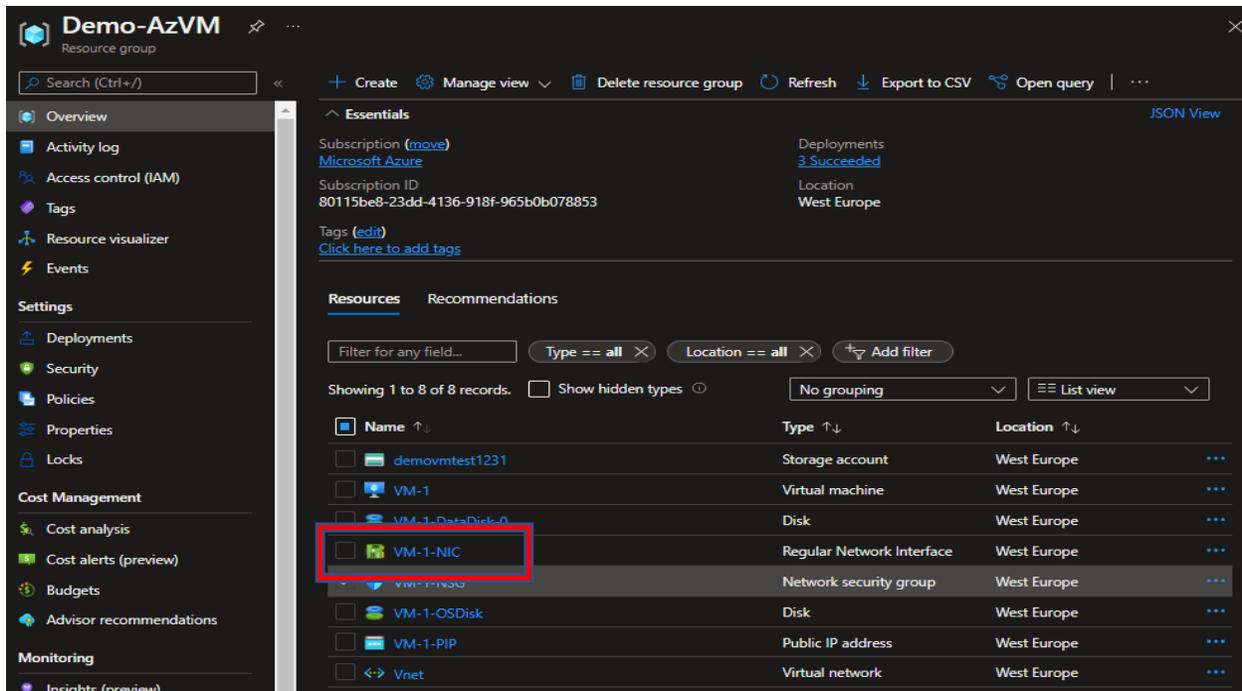


To connect, you will need to use the Username and the Password you chose during the order.

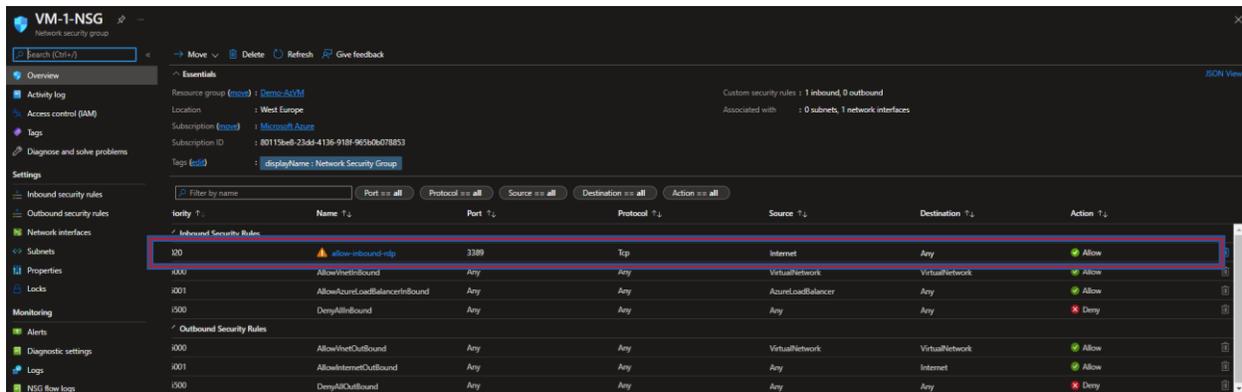
You will then be connected to your Virtual Machine.



It is recommended to remove RDP port once done, using the Virtual Machine to prevent as much as possible being vulnerable. To do so, go to your Network Security Group.



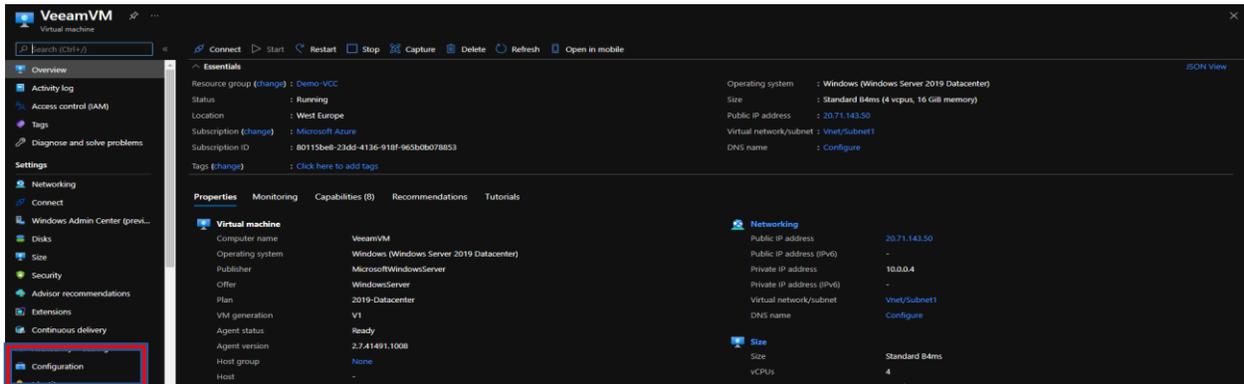
And from the overview page, delete Port 3389:



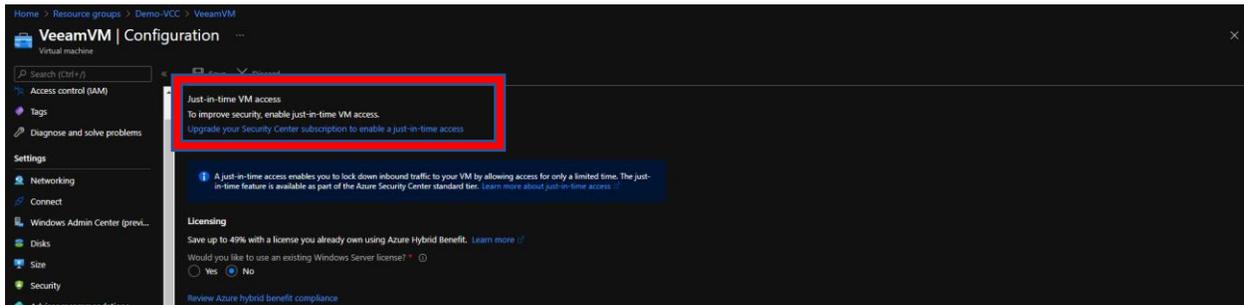
Enable Azure Defender and Just in Time Access

A more secure way to connect securely to your VM would be to use Just in Time Access.

Go to your Virtual Machine and click on Configuration:



Then click on Upgrade your Security Center subscription:



Select the Azure subscription you are using:

Home > Security Center > Getting started

Upgrade Install Agents Get Started

Enable Azure Defender on your subscriptions.
Get started with 30-day free trial
 Upgrade to get advanced capabilities including hybrid support, networking, security policies, just-in-time administration and adaptive application controls. [Learn more >](#)

Cloud security posture management
 Get continuous assessment and prioritized security recommendations with Azure secure score, and verify compliance with regulatory standards.

Cloud workload protection for machines
 Protect Windows, Linux and on-prem servers. Protection includes configuration and vulnerability management, workload hardening and server EDR.

Advanced threat protection for PaaS
 Prevent threats and detect unusual activities on PaaS workloads including App Service plans, Storage accounts, and SQL servers.

Enable Azure Defender on 1 subscriptions

| Name | Total resources | Azure Defender Plan |
|--------------------------------|-----------------|---------------------|
| Microsoft Azure | 43 | Trial expired |
| testssshndzp77kewq | 0 | Off |
| tdsoluti-ia-workspace078853 | 2 | Off |
| blah | 0 | Off |
| amadhosingsentinelrz5okneqf3wm | 0 | Off |

| Total: 43 resources | | |
|-------------------------|--------|------------------|
| 13 Servers | \$15 | Server/Month |
| 0 App Service instances | \$15 | Instance/Month |
| 0 Azure SQL Database | \$15 | Server/Month |
| 21 Storage accounts | \$0.02 | 10k transactions |

And click on upgrade:

Microsoft Azure Search resources, services, and docs (0+/)

Home > Security Center > Getting started

Enable Azure Defender on 1 subscriptions

| Name | Total resources | Azure Defender Plan |
|--------------------------------|-----------------|---------------------|
| Microsoft Azure | 43 | Trial expired |
| testssshndzp77kewq | 0 | Off |
| tdsoluti-ia-workspace078853 | 2 | Off |
| blah | 0 | Off |
| amadhosingsentinelrz5okneqf3wm | 0 | Off |

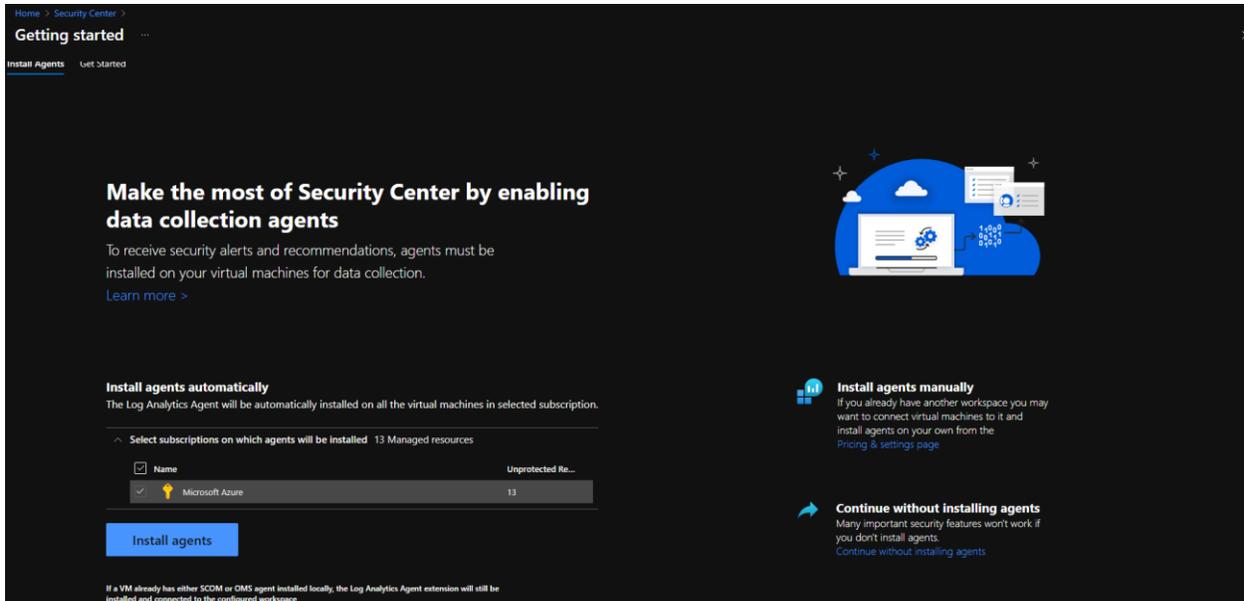
| Total: 43 resources | | |
|----------------------------|---------------------|------------------|
| 13 Servers | \$15 | Server/Month |
| 0 App Service instances | \$15 | Instance/Month |
| 0 Azure SQL Database | \$15 | Server/Month |
| 21 Storage accounts | \$0.02 | 10k transactions |
| 0 Kubernetes cores | \$2 | VM core/Month |
| 0 Container registries | \$0.29 | Image |
| 9 Key Vaults | \$0.02 | 10k transactions |
| 0 SQL servers on machines | \$15 | Server/Month |
| | \$0.015 | Core/Hour |
| Resource Manager (Preview) | FREE during preview | |
| DNS (Preview) | FREE during preview | |

Upgrade

Azure Defender rates will be automatically charged on supported resource types, with a 30-day free trial if not previously used. Virtual machines, SQL Servers, App Service instances and Kubernetes service instances plans are billed hourly. For more information on Security Center pricing, visit the [pricing page](#).

Azure Defender will charge you approximately \$15 per month, per server on hourly rates. You can still benefit from a 30-day trial.

Click on install agents automatically:



Home > Security Center > Getting started

Install Agents Get started

Make the most of Security Center by enabling data collection agents

To receive security alerts and recommendations, agents must be installed on your virtual machines for data collection.

[Learn more >](#)

Install agents automatically
The Log Analytics Agent will be automatically installed on all the virtual machines in selected subscription.

Select subscriptions on which agents will be installed 13 Managed resources

| Name | Unprotected Re... |
|-----------------|-------------------|
| Microsoft Azure | 13 |

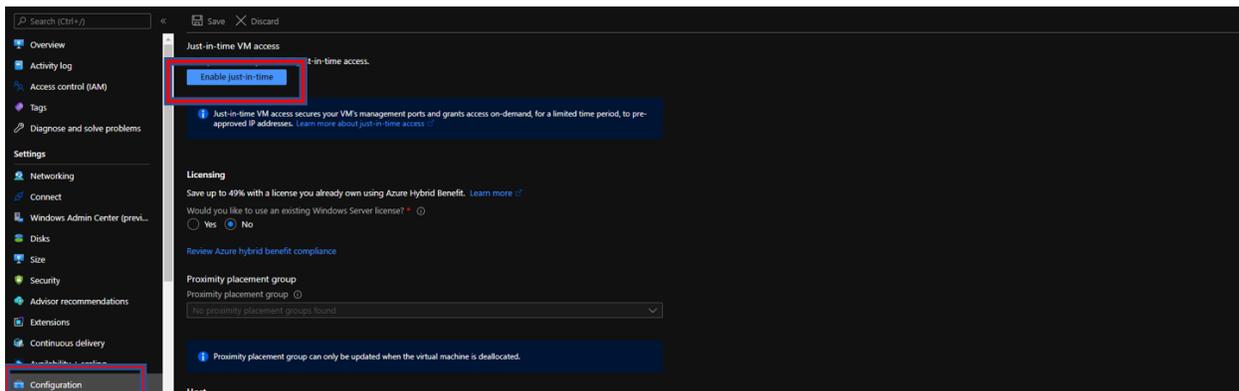
[Install agents](#)

Install agents manually
If you already have another workspace you may want to connect virtual machines to it and install agents on your own from the [Pricing & settings page](#).

Continue without installing agents
Many important security features won't work if you don't install agents.
[Continue without installing agents](#)

If a VM already has either SCOM or OMS agent installed locally, the Log Analytics Agent extension will still be installed and connected to the configured workspace

Then go back to the Virtual Machine, click onto configuration, and click on Enable Just-in-Time Access:



Search (Ctrl+F) Save Discard

Just-in-time VM access

[Enable just-in-time](#)

Just-in-time VM access secures your VM's management ports and grants access on-demand, for a limited time period, to pre-approved IP addresses. [Learn more about just-in-time access >](#)

Licensing
Save up to 49% with a license you already own using Azure Hybrid Benefit. [Learn more >](#)
Would you like to use an existing Windows Server license? [>](#)
 Yes No

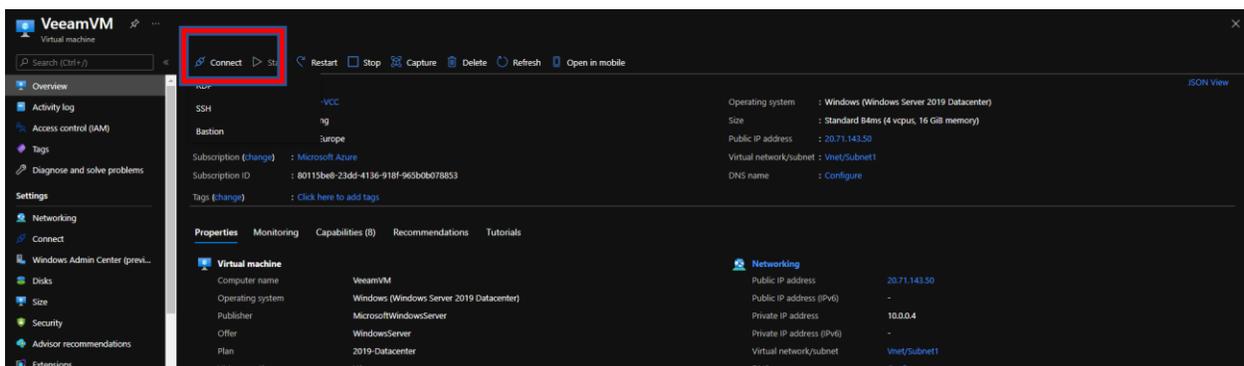
Review Azure hybrid benefit compliance

Proximity placement group
Proximity placement group [>](#)
No proximity placement groups found

Proximity placement group can only be updated when the virtual machine is deallocated.

Host

To connect to the VM, go back to the Virtual Machine, click on Connect, then RDP.



VeeamVM Virtual machine

Search (Ctrl+F)

[Connect](#) [Start](#) [Restart](#) [Stop](#) [Capture](#) [Delete](#) [Refresh](#) [Open in mobile](#)

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Settings Networking Connect Windows Admin Center (previ... Disks Size Security Advisor recommendations Extensions

SSH: -VCC
Region: Europe
Bastion: Europe

Subscription (change): Microsoft Azure
Subscription ID: 80115be8-23d8-4136-918f-965b0b078853
Tags (change): Click here to add tags

Properties Monitoring Capabilities (8) Recommendations Tutorials

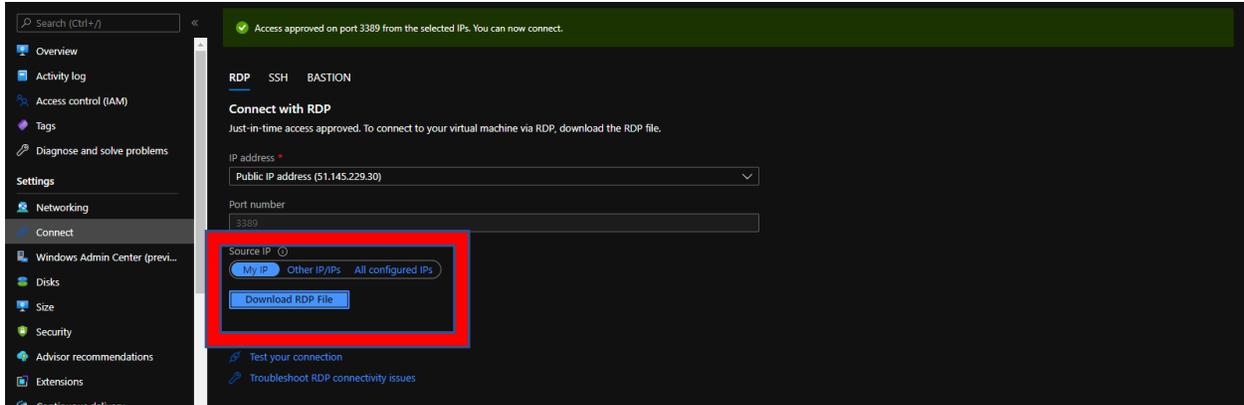
Virtual machine

| | |
|------------------|--|
| Computer name | VeeamVM |
| Operating system | Windows (Windows Server 2019 Datacenter) |
| Publisher | Microsoft/WindowsServer |
| Offer | WindowsServer |
| Plan | 2019-Datacenter |
| VM operation | VM |

Networking

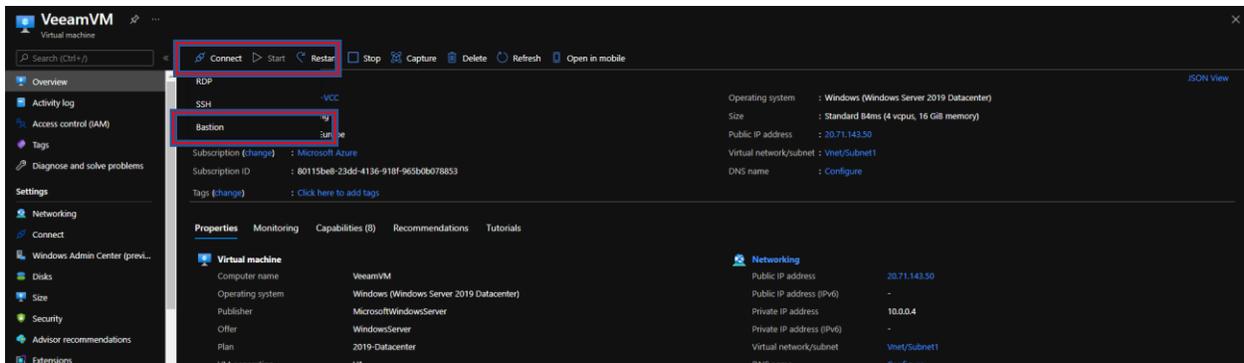
| | |
|---------------------------|--------------|
| Public IP address | 20.71.143.50 |
| Public IP address (IPv6) | - |
| Private IP address | 10.0.0.4 |
| Private IP address (IPv6) | - |
| Virtual network/subnet | Vnet/Subnet1 |
| DNS name | Configure |

Then select the source IP you plan to use and click on Request Access.

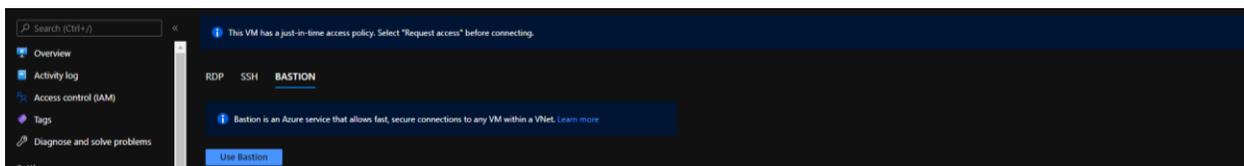


And download the RDP file. Access has been approved from the selected IPs. To connect, you will need to use the Username and the Password you chose during the order. You will then be connected to your Virtual Machine.

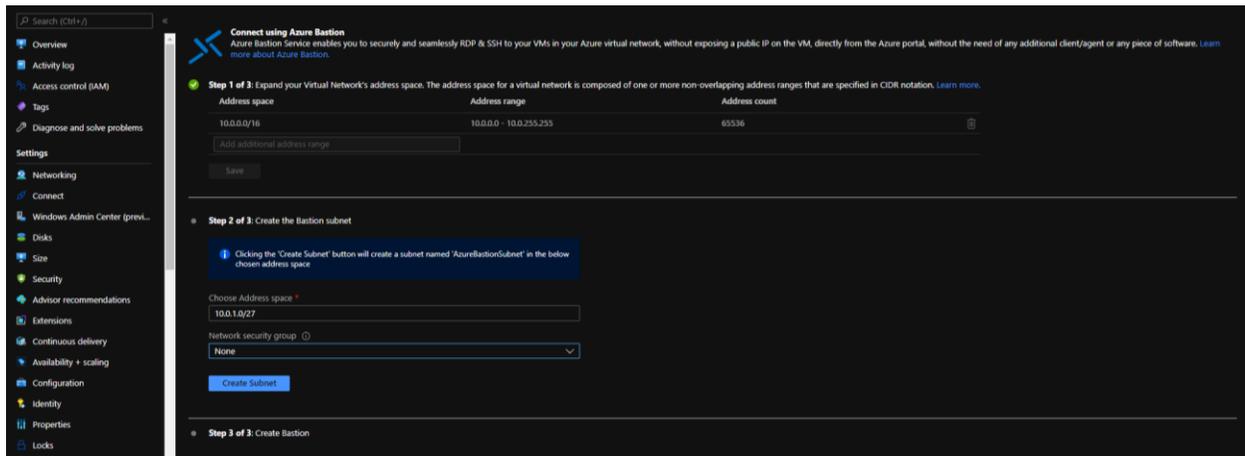
Go back to your Virtual Machine and click on Connect, then Bastion.



Click on Use Bastion.

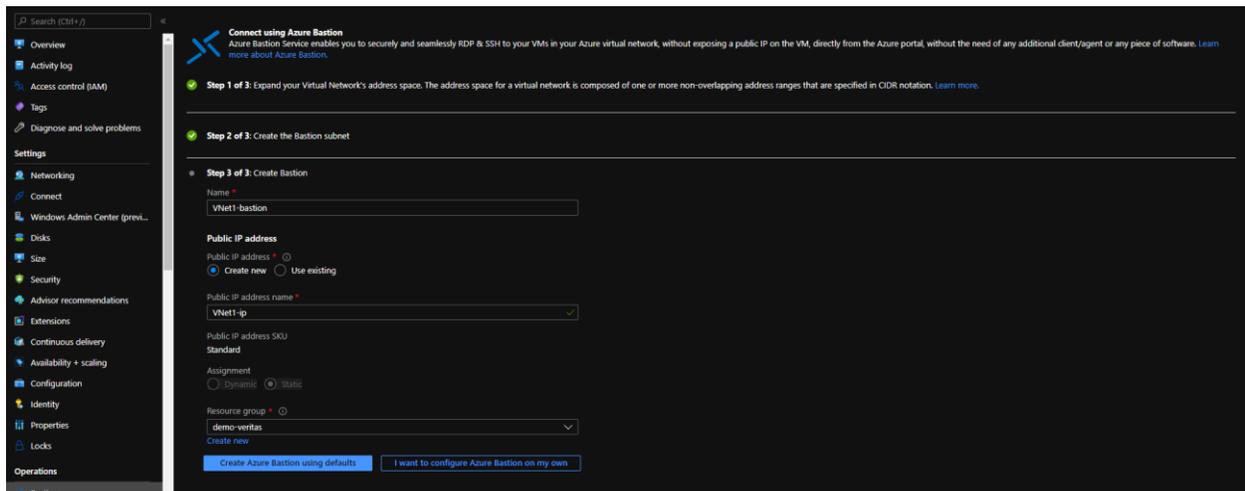


Then click on Create Subnet:

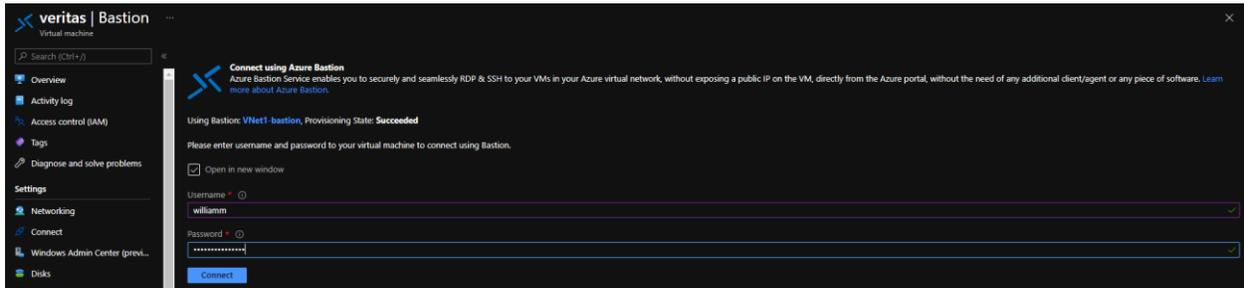


How to Connect

And click on Create Azure Bastion using defaults.



Then add username and password. Click on Connect.



You will now be connected to your Virtual Machine using Azure Bastion, through your web browser.

