

Deployment of vm :

Subscription used for billing purposes .

Resource is part of the subscription .

RG used for logical grouping of resource

OS DISK :

External data disks can be assigned .

Public ip for internet connectivity .

B1s - is free for azure free account .

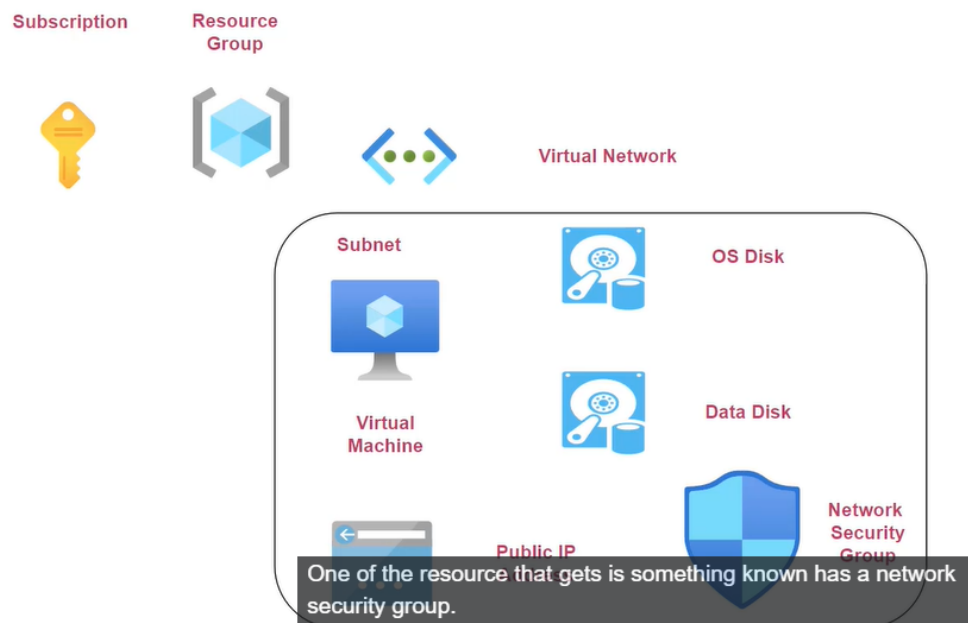
### **LAB : Building a Windows virtual machine .**

ALL RESOURCE > WINDOW SERVER 2019 DC > BUILD WINDOWS VM :> REGION -

NORTH EUROPE > SIZE - D2s\_V3 > ALLOW INBOUND RDP PORT > PREMIUM SSD >

We will be charged hourly in the azure portal and it will show the monthly cost .

We can connect to vm using RDP .



NSG - filter traffic in and out of vm .

**ERROR** : virtual machine agent status not ready windows azure - will be resolved in some tym wait for few second or spin resource again .

RDP SSH Bastion

## Connect with RDP

✓ Suggested method for connecting

To connect to your virtual machine via RDP, select RDP file.

IP address \*

Public IP address (20.93.65.149)

Port number \*

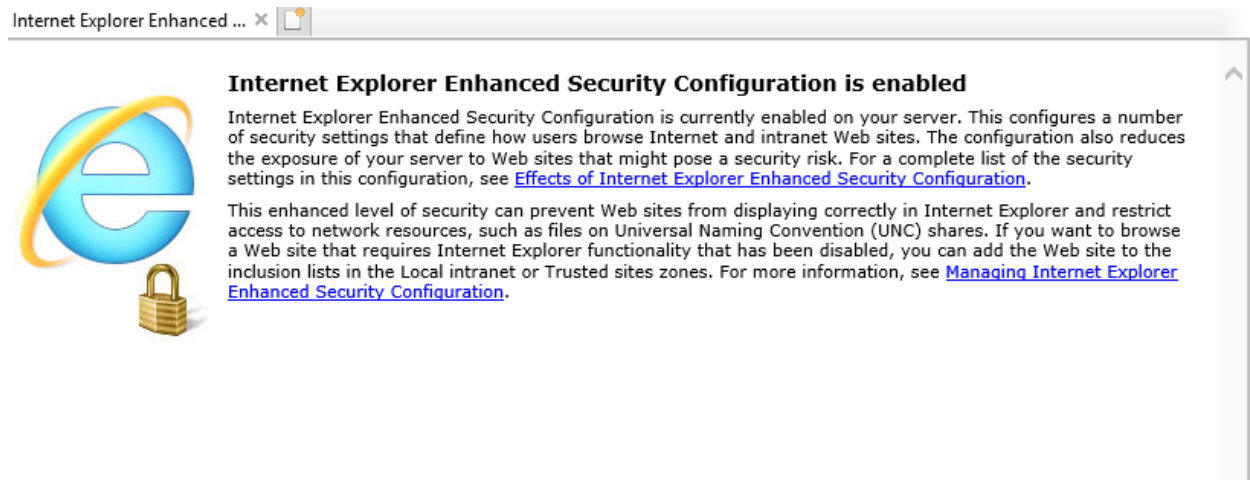
3389

Download RDP File

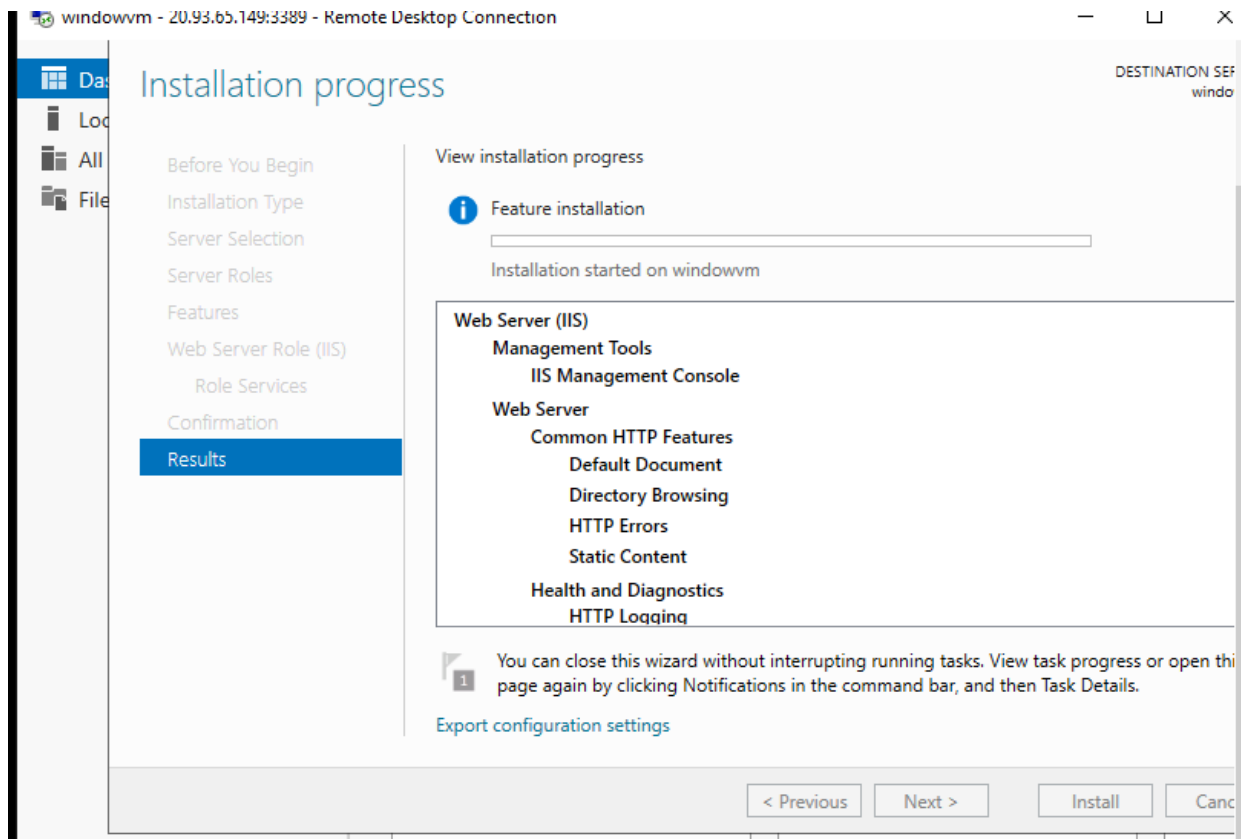
Download RFD file to connect via RDP .

## LAB : Install Internet Information Services .

Disable below to connect azure vm to the internet .

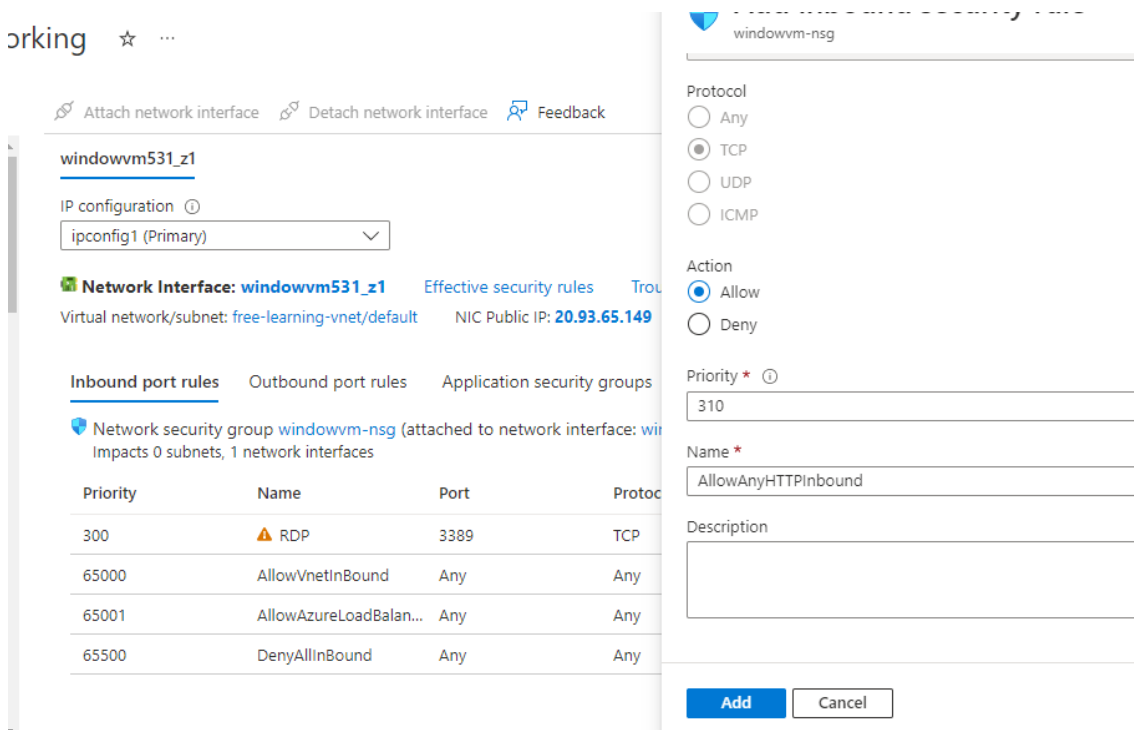


By default azure VM has connectivity to the internet .



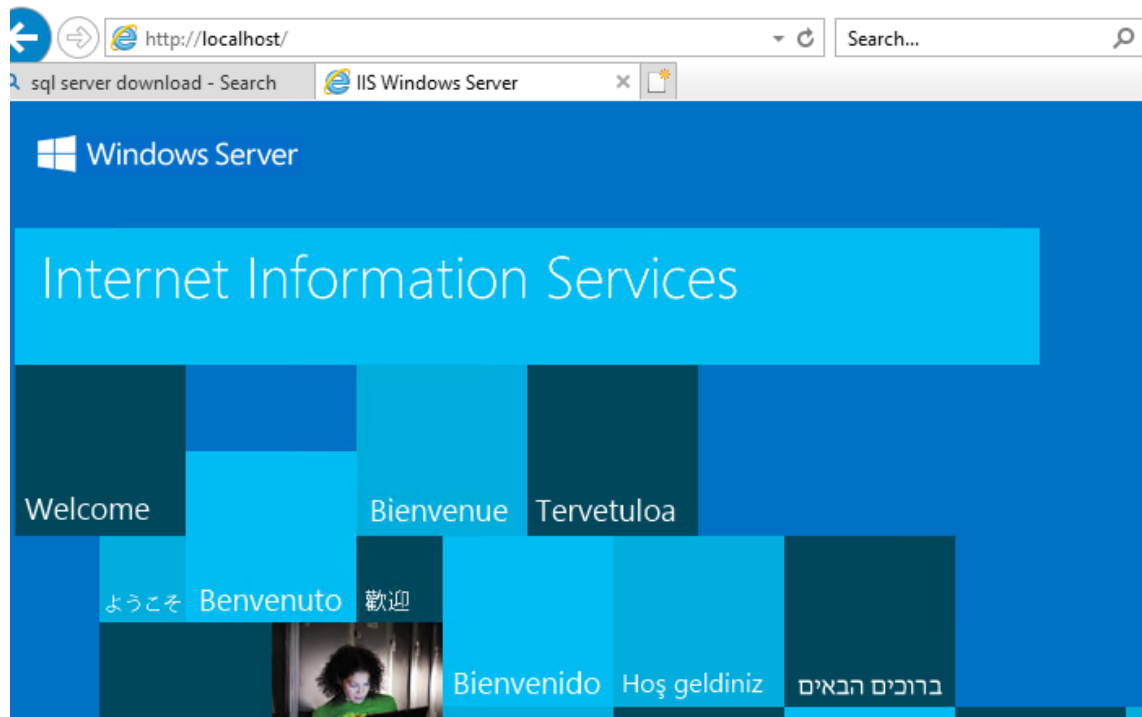
Install IIS WEB server .

orking ☆ ...

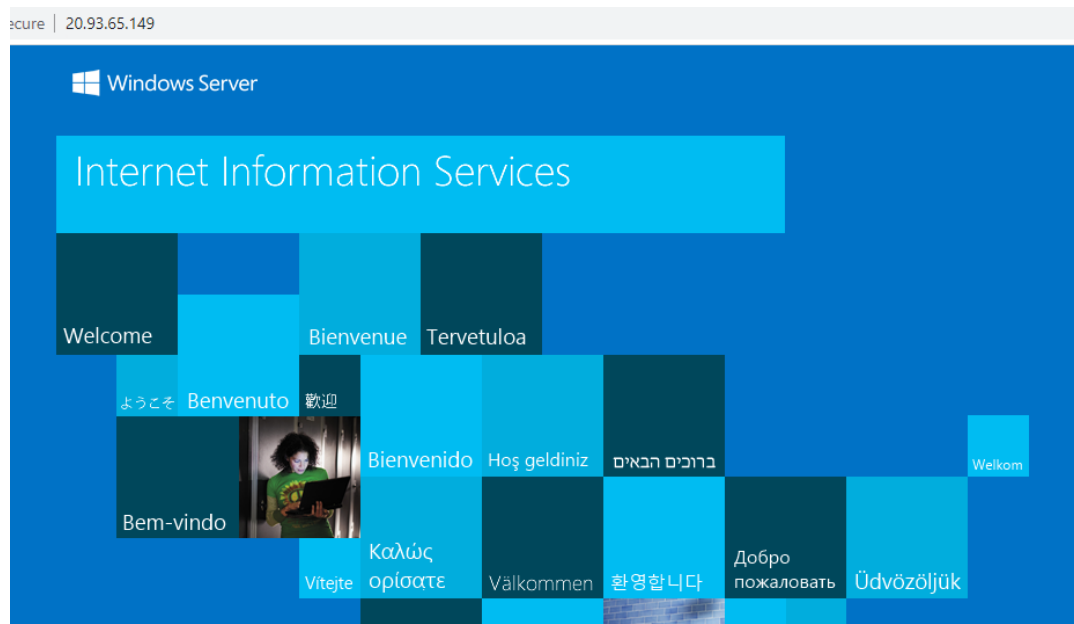


To enable http traffic - we have to add inbound http rule

We can check IIS on localhost in azure vm itself .



Since we have created the NSG rule . Azure vm will be accessible via - public ip .



#### COSTING OF VM :

Delete resources that we have created .

If we delete a resource group - all resources inside it will be deleted .

In usage + quota - we can check how many resources are allocated by azure to free account for spinning up .

Bastion is another service that can be used to securely connect onto either your windows, virtual machines or your Linux virtual machines.

## We can create a budget alert

[Home](#) > [Cost Management: Free Trial](#) | [Budgets](#) >

### Create budget ...

Budget

- 1 Create a budget
- 2 Set alerts

Create a budget and set alerts to help you monitor your costs.

#### Budget scoping

The budget you create will be assigned to the selected scope. Use additional filters like resource groups to have your budget monitor with more granularity as needed.

Scope

Free Trial

Filters

+ Add filter

#### Budget Details

Give your budget a unique name. Select the time window it analyzes during each evaluation period, its expiration date and the amount.

\* Name  ✓

Azure vnet , nsg , network interface - they don't have cost involved .

## STATE OF VM :

Public ip can be static or dynamic .

When we stop vm - public ip temporary storage will be lost . it will remain unaffected on restart or shutdown .

When vm is stopped we will not be charged for vm but other attached resources will be charged

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