**PROJECT REPORT ON**

**WORLD OF CHOCO BOUTIQUE**

**ANSARI SHAHIRA SHABBIR**

**ACADEMIC YEAR 2022-2023**

**PROJECT GUIDE**

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**SUBMITTED TO**

**MICROSOFT AZURE**

**World of Choco Boutique**

**Aim**

To deploy a website on Azure, establish a custom URL via DNS. Additionally, setting up a web alert rule, and employ access restrictions to prevent malicious users from accessing the website.

**Procedure**

**Step1:** Establish a Virtual Network (V-Net) that contains a subnet, and within that subnet, place a Virtual Machine (VM).

**Step2:** Create a web service using App Service.

**Step3:** Establish a connection to the VM, install FileZilla within the VM, & deploy a website through FileZilla.

**Step4:** We can paste the URL of web app on the internet we will be able to see the website.

**Step5:** We can change the URL of the web app by custom domain with the help of hostinger. We will be able to view the website through our domain

**Step6:** Create an alert rule for web app.

**Step7:** Create an access restriction.

**Diagram**

1. Net1 – Central India – 10.0.0.0/16

To deploy a website on Azure, establish a custom URL via DNS. Additionally, setting up a web alert rule, & employ

access restrictions to prevent malicious users from accessing the website.

VM1 – Private IP – 10.0.0.4

Public IP add 4.224.82.255

FileZilla

Google

1

Deploying a website with the help of FTPS via FileZilla.

Web App

2

Copy the URL of web app on google. You will be able to view the website.

DNS

Alerts

Access Restriction

Subnet1 – 10.0.0.0/24

# Note:

You can access the website from anywhere.

# Explanation of a diagram:

* + Here we have created a V-Net in Central India with ip address 10.0.0.0/24. Inside that we have subnet1 with ip address 10.0.0.0/16. And inside the subnet1 there is a VM1 and web app.
  + In web app we are going to create DNS alert and access restriction.

# Now let us look how to deploy a website.

* + Create a web app and go to the deployment center.
  + Connect the VM and install the FileZilla as well as install the website of your choice.
  + Form the web app give the FTPS credentials to the FileZilla and connect.
  + Copy the URL of where babe on the Google you will be able to view your website.

# NOTE:

You can view your website from any device.

1. Net1 – Central India – 10.0.0.0/16

Subnet1 – 10.0.0.0/24

VM1 – Private IP – 10.0.0.4

Public IP add 4.224.82.255

Web App

Custom Domain

Domain: world.of.choco.boutique.redbusmagic.online

CNAME & TXT

2 Validate and add

1

Paste in hostinger

Laptop

3

Copy the URL of web app on google. You will be able to view the website

Hostinger

Google

CNAME & TXT

# Note:

You can access the website from anywhere.

# Explanation of a diagram:

* + Here we have created a V-Net in Central India with ip address 10.0.0.0/24. Inside that we have subnet1 with ip address 10.0.0.0/16. And inside the subnet1 there is a VM1 and web app.
  + In web app we are going to create DNS.

# Now let us look how to have a custom domain.

* + Here we have taken the domain name as worldsofchocoboutique.redbusmagic.online.
  + We need to paste the CNAME and TXT in the hostinger. (Or else from wherever we have buy the domain)
  + We need to validate and wait for some time after validation we can add the domain name.
  + It will automatically get a binding or else you need to bind it.
  + Paste the new URL on the web app and you will be able to view the website.

# NOTE:

You can view your website from any device.

1. Net1 – Central India – 10.0.0.0/16

Subnet1 – 10.0.0.0/24



VM1 – Private IP – 10.0.0.4

Public IP add 4.224.82.255

For restriction we need to give priority: Here the priority is 1000.

Access restriction on this VM.

3A

If we want to give access to this VM then we need to change the priority i.e 999

Web App

Alerts

***Notification:***

Email -[odlitkat2@gmail.com](mailto:odlitkat2@gmail.com) Phone – 9323302223

***Rule:*** If website is not working & user try to access the website alert will be send.

Now we can get the access to view the website on this VM.

## NOTE:

Higher the priority lesser the number.

2 & 3C

We will get an alert to email and

SMS.

3B

But No restriction on phone/Local

machine.

1

If we try to access website but can’t view it then…

Phone

Email

SMS

Google

Website is not

working

Website is not

working

Accessing website

# Explanation of a diagram:

* + Here we have created a V-Net in Central India with ip address 10.0.0.0/24. Inside that we have subnet1 with ip address 10.0.0.0/16. And inside the subnet1 there is a VM1 and web app.
  + In web app we are going to create alert and access restriction.

# Now let us look how to create alert rule.

* + Here we have created an alert rule where we will be getting a notification on SMS and email on the registered phone number and the email ID.
  + The rule is that if a website is not working and user try to access the website a notification will be send on the given phone number and email.

# Now let us look how to access restriction.

* + Here we can restrict some VM and allow some VM to get the access. Also we can restrict some IP and allow other IP to get the access.
  + If any of the devices is unable to view the website then we will be getting an notification.

# Now let us look how to restrict a VM1.

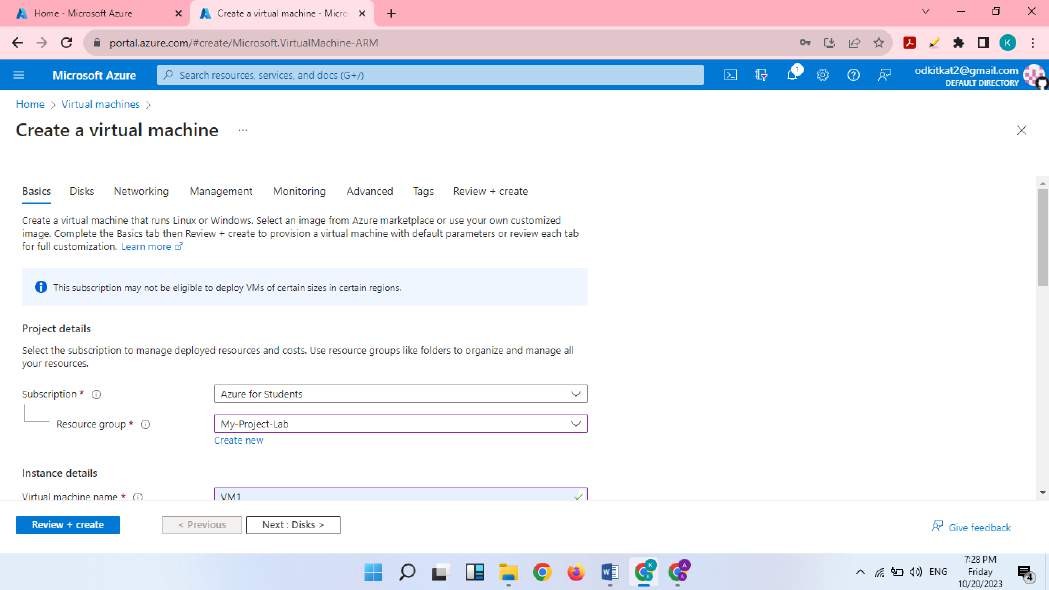
* + Here I have restricted VM1 for this website but on the same time I can access it on my local machine or on my phone.
  + Simultaneously I will also get a notification on email and SMS that someone is unable to view the website.

# Suppose now you want to remove the restriction from the VM1.

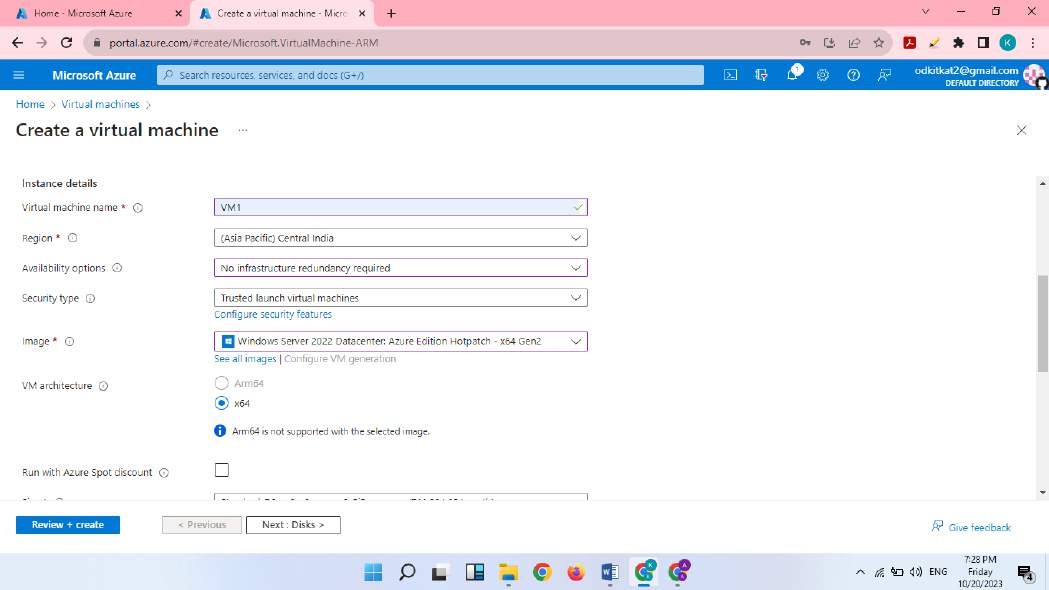
* + Then you need to change the priority to 999 because the priority which was set to 1000 was to restrict the VM1.
  + After setting the priority will be able to view the website.

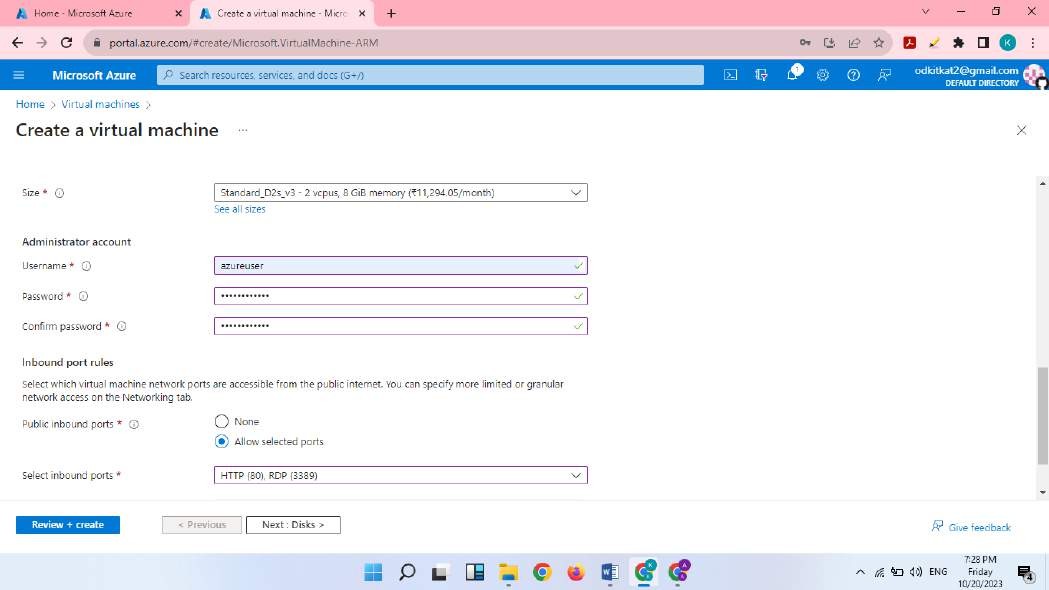
# NOTE:

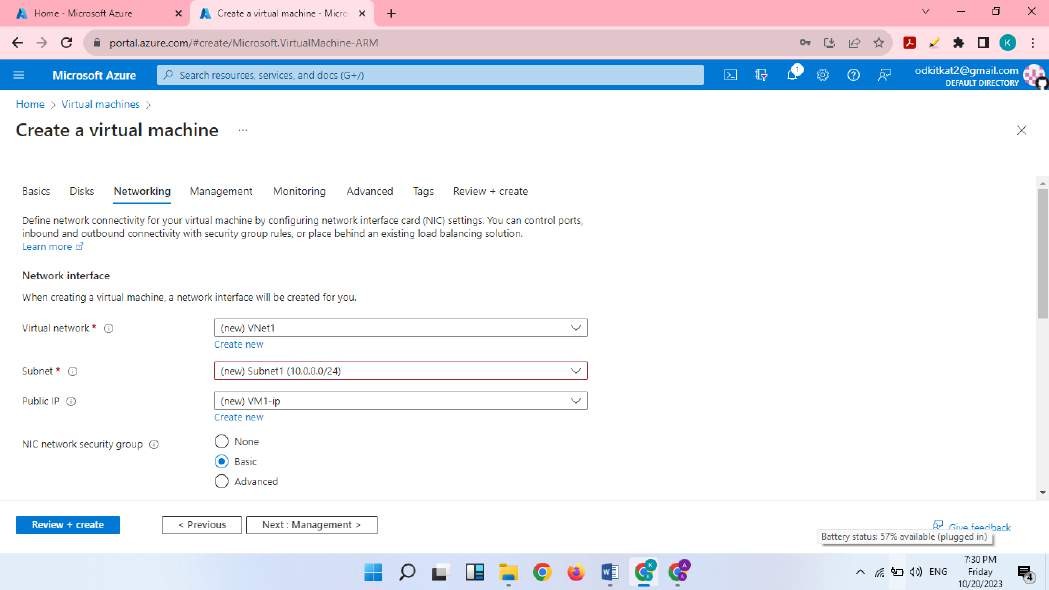
Higher the priority lesser the number.

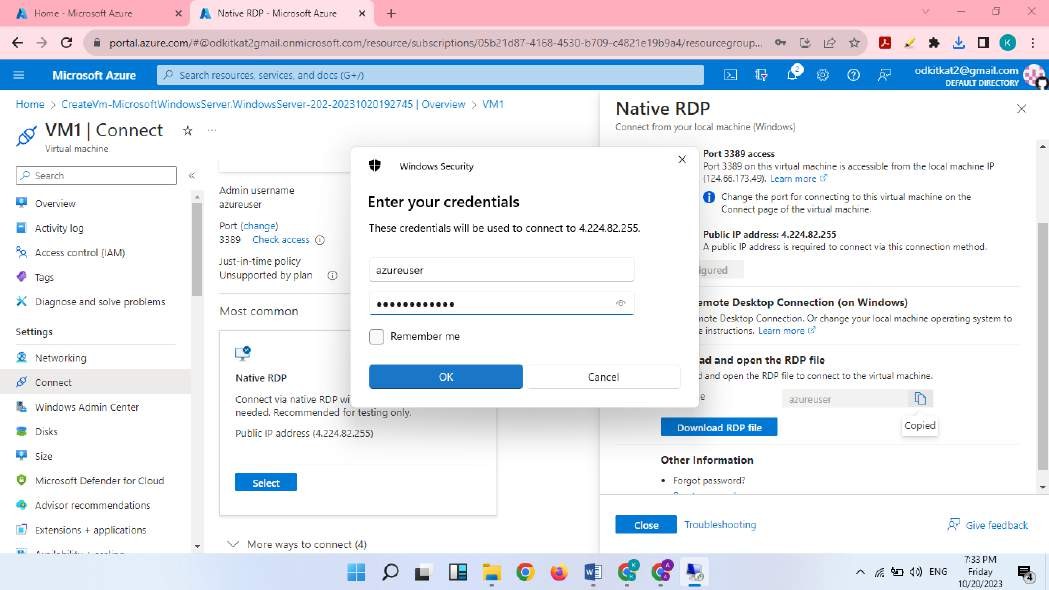


Create a virtual machine.

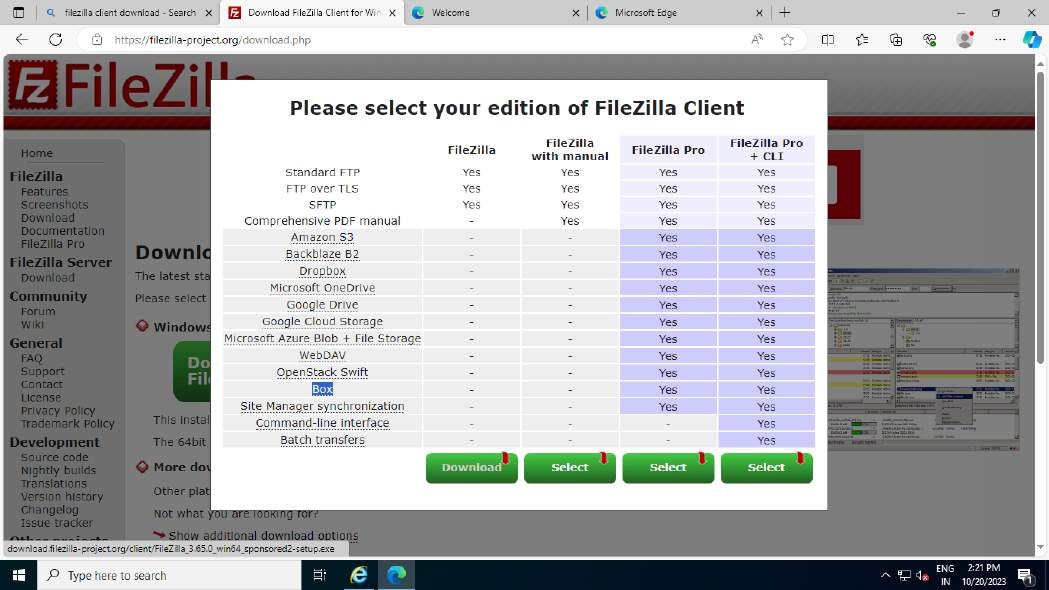




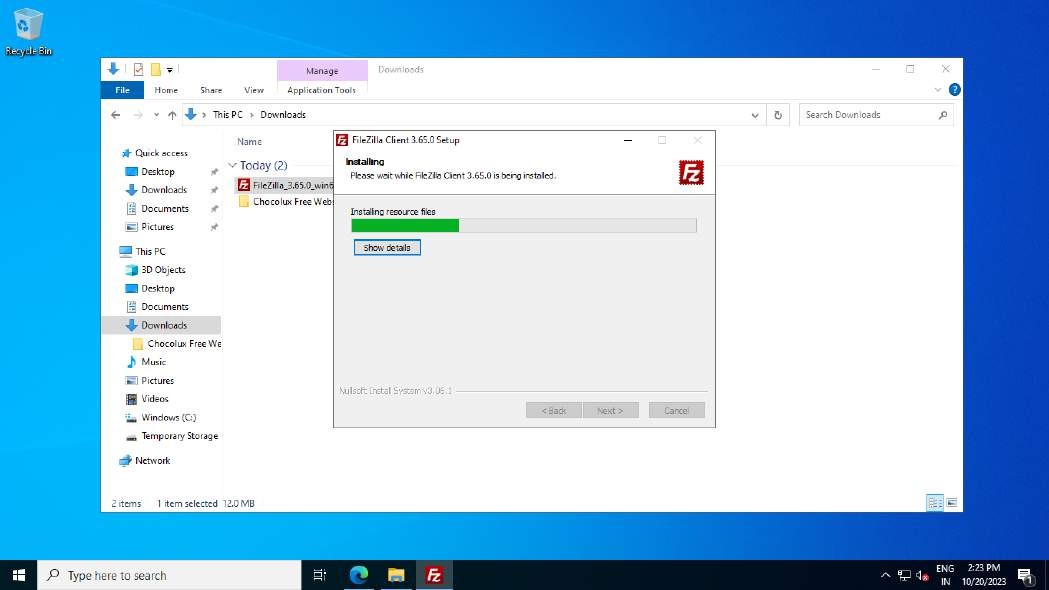




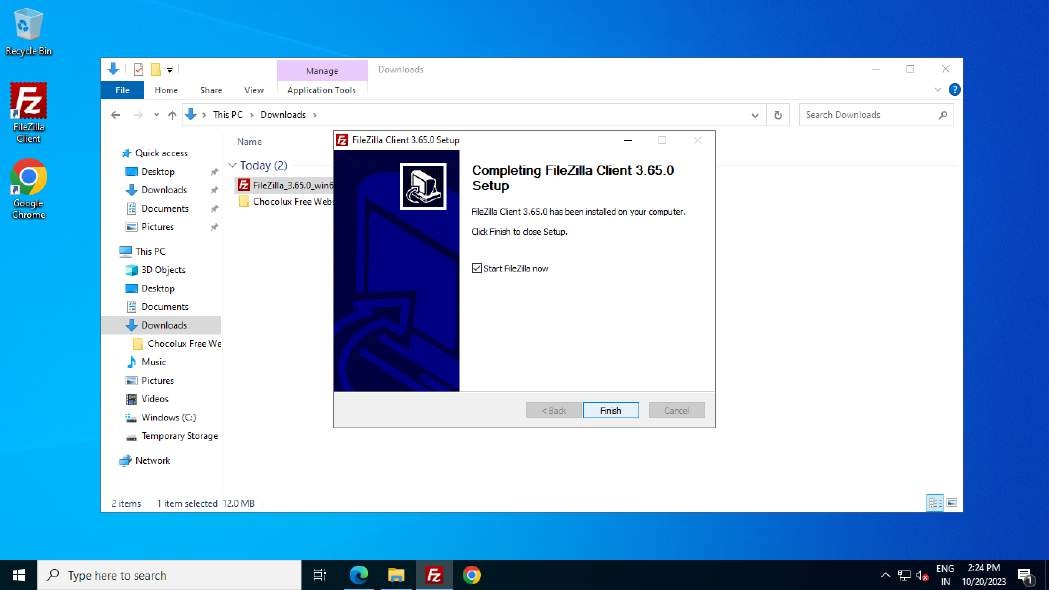
Connect virtual machine.

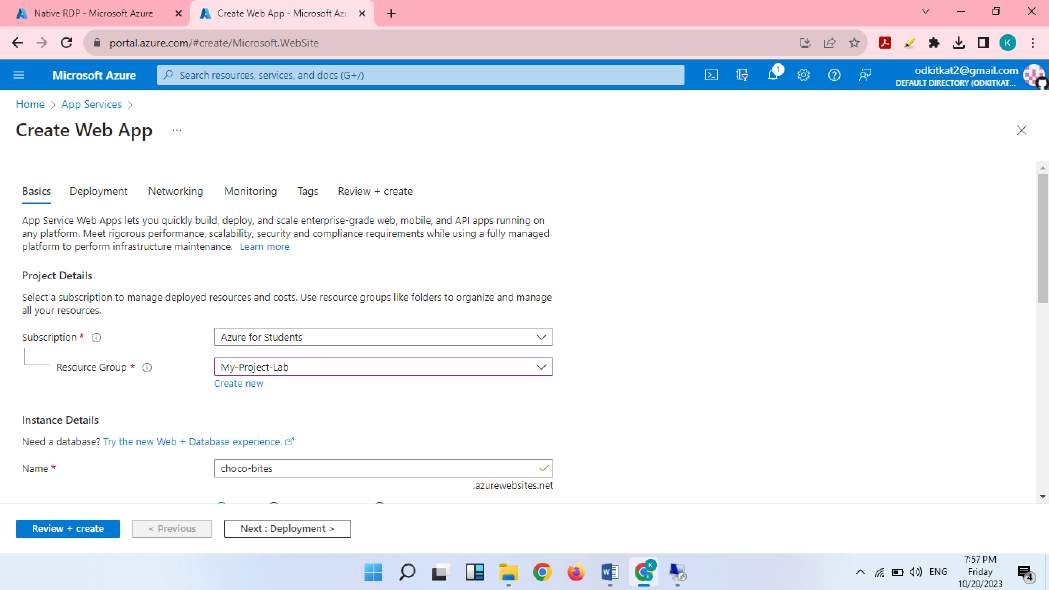


Download FileZilla.

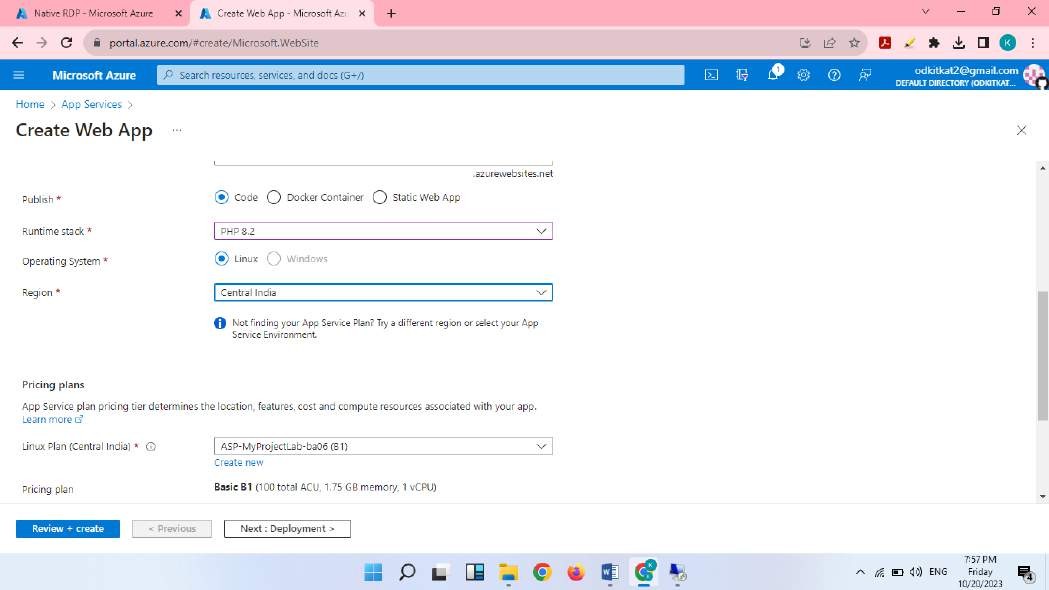


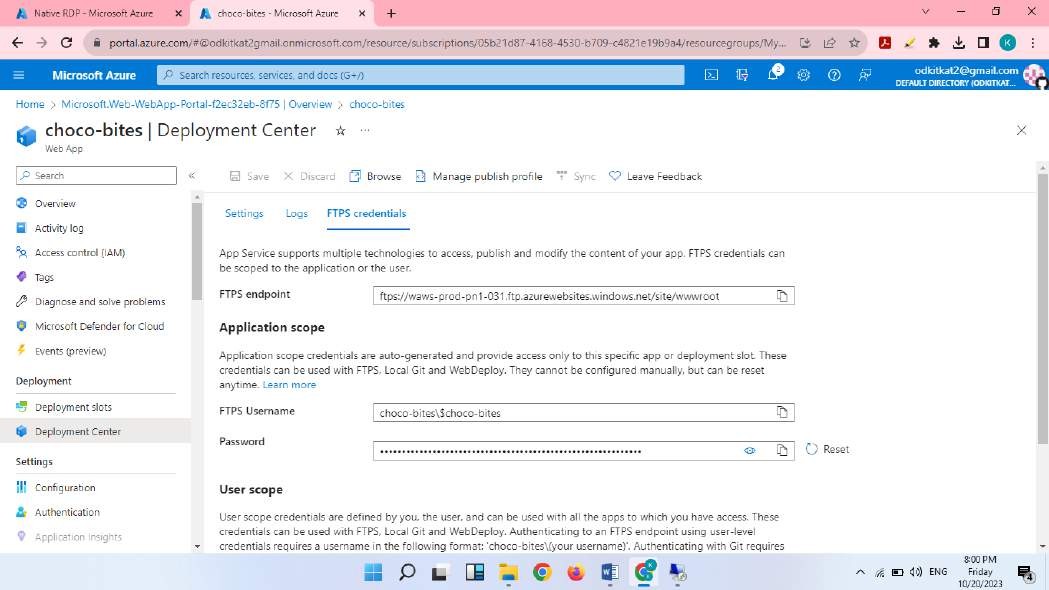
Install FileZilla.





Create a Web App.

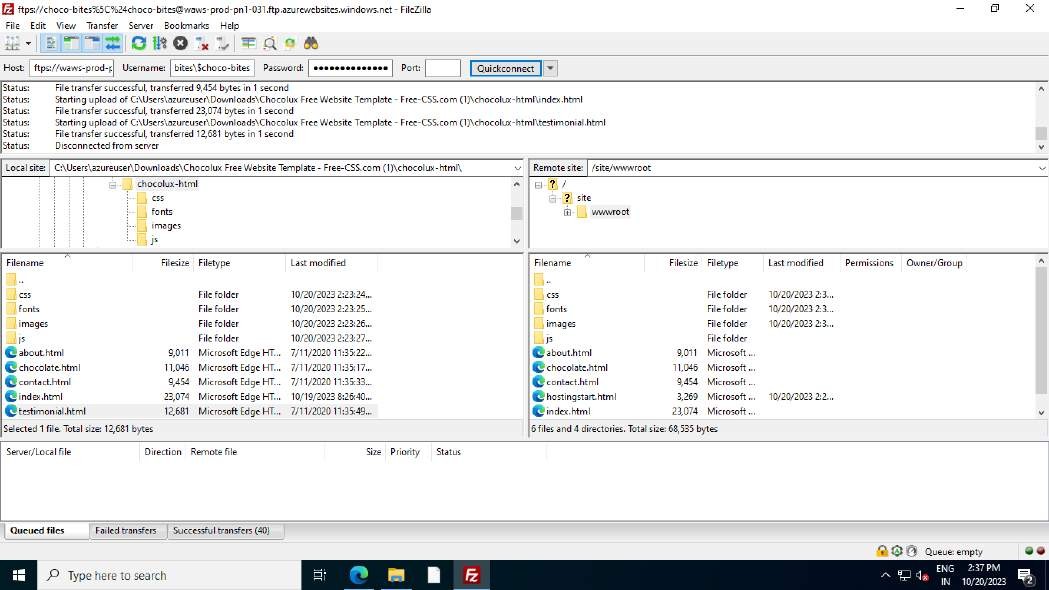




FTPS Credentials



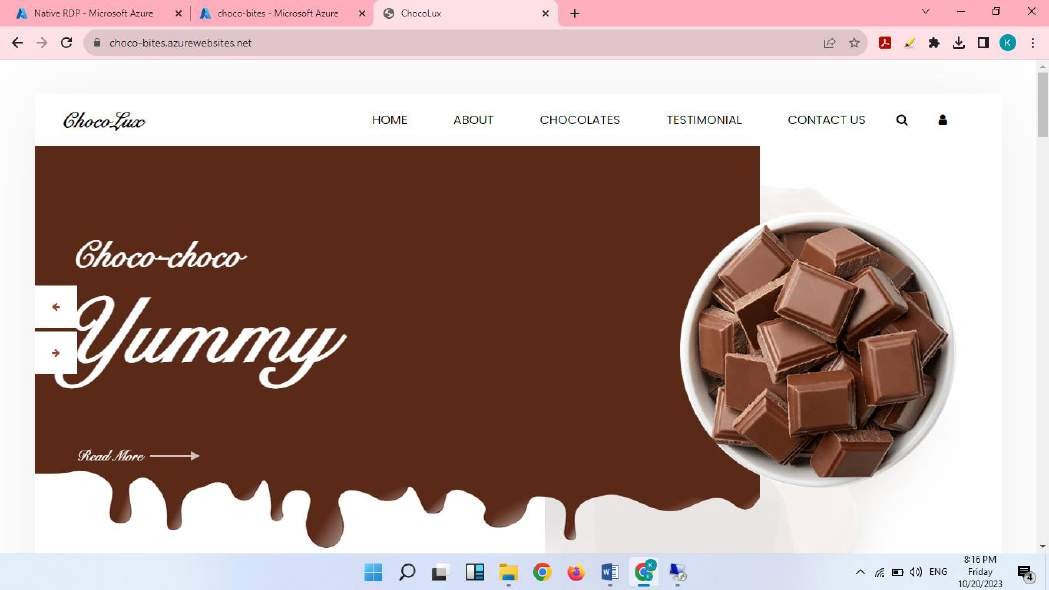
FTPS Credentials in FileZilla



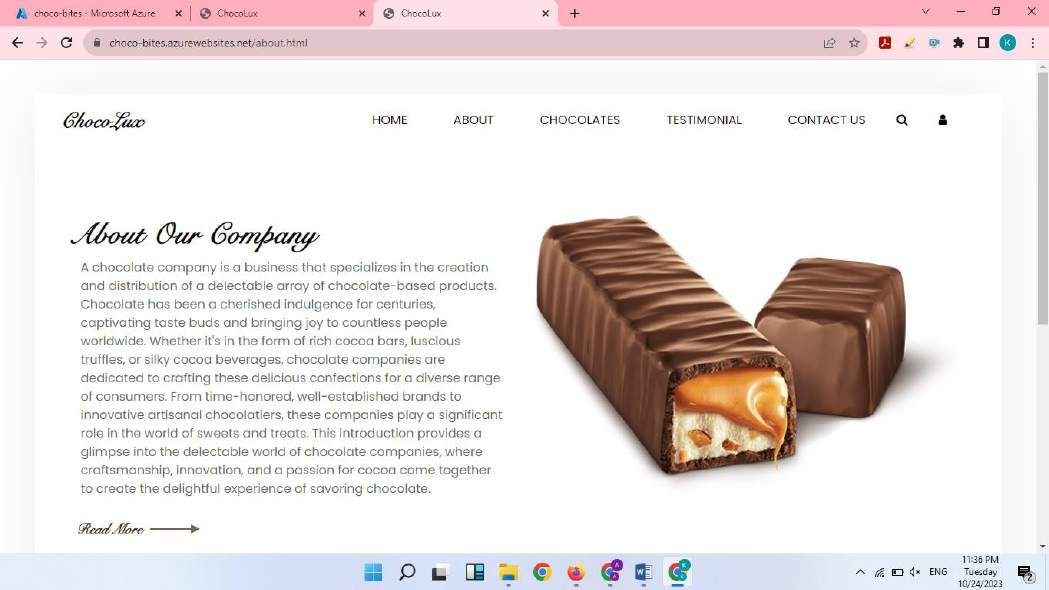
Transfer the file



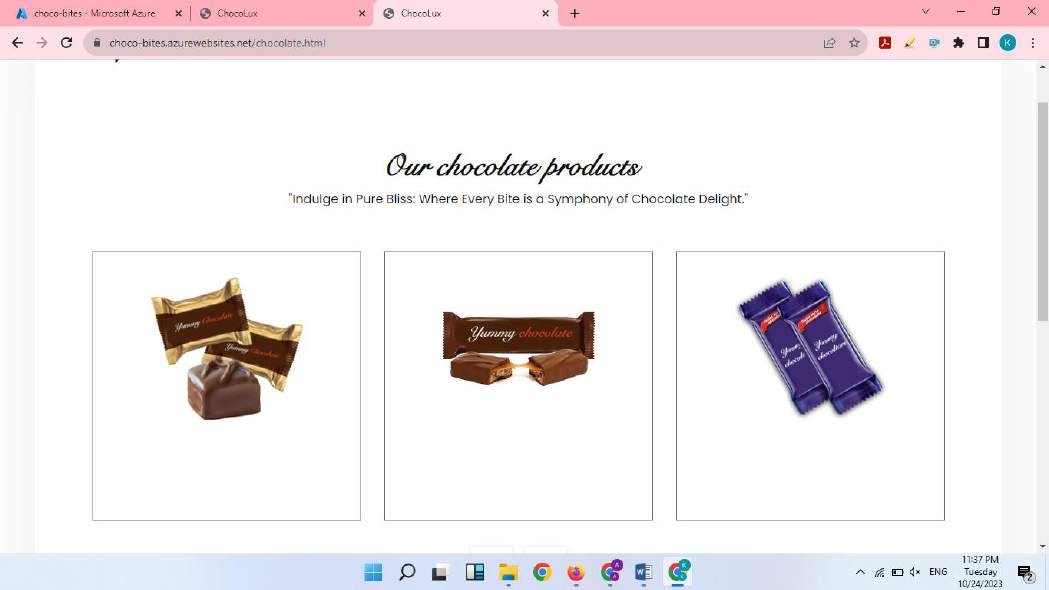
Website view in VM1



Website view in local machine

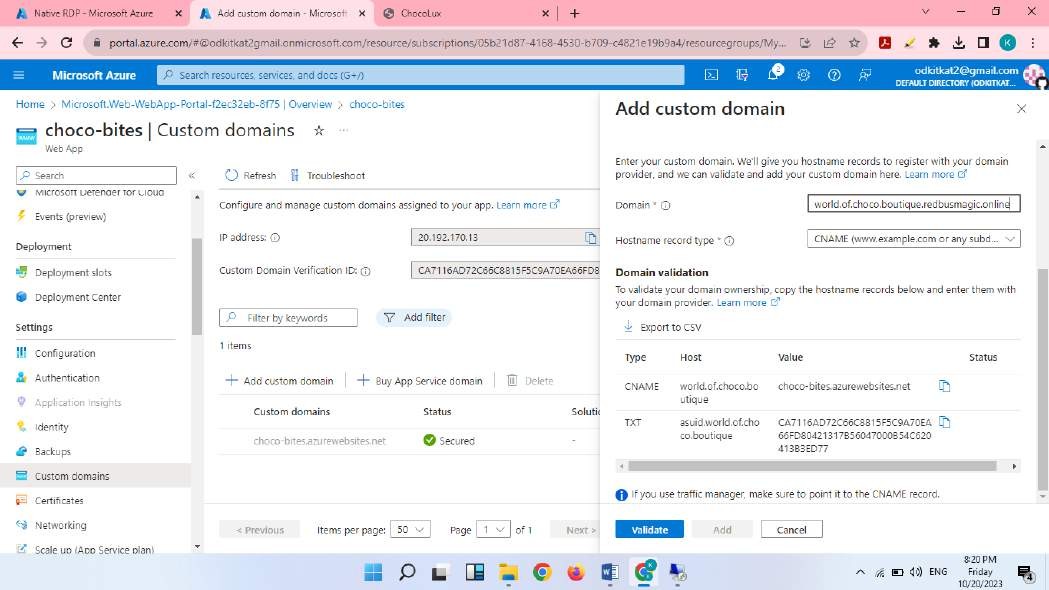


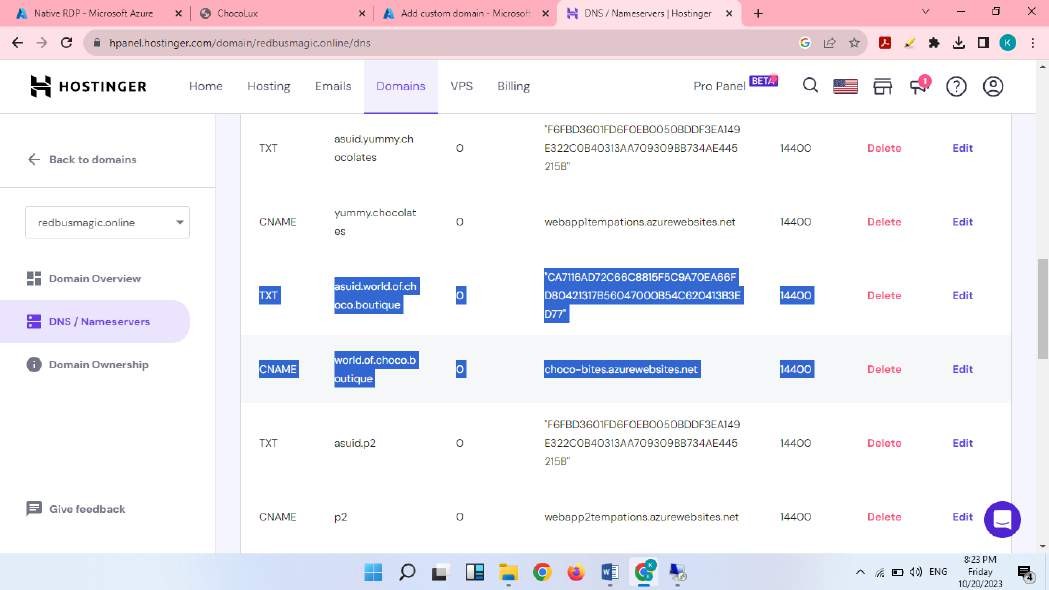
Working Website



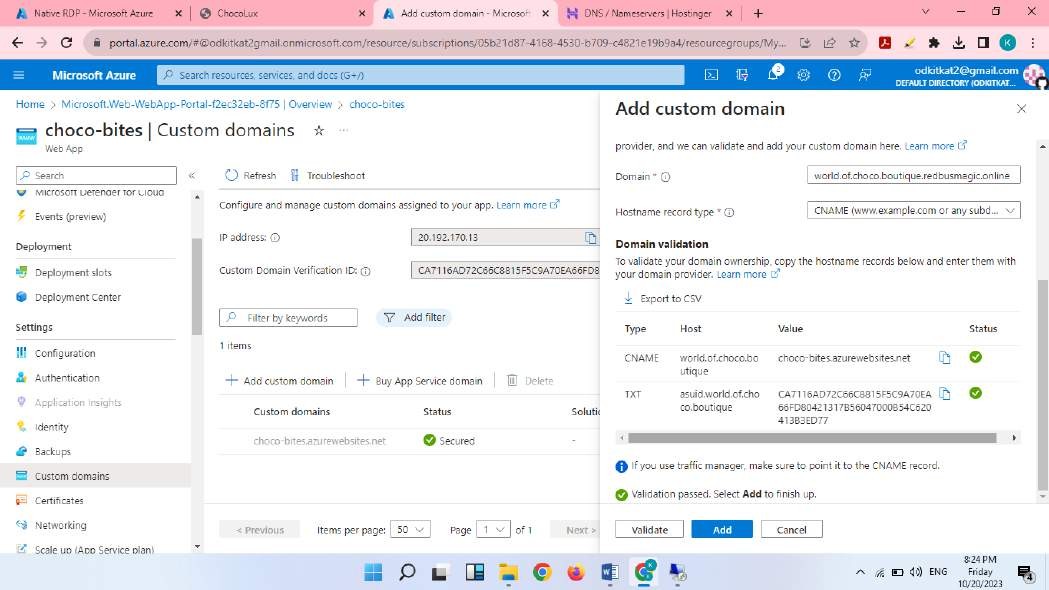


Create a custom domain

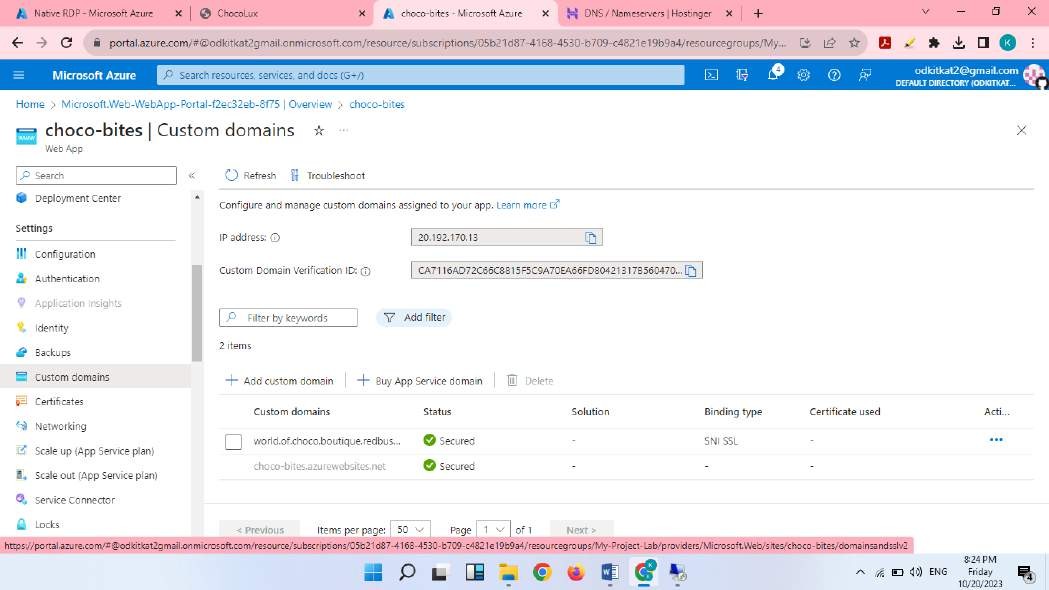




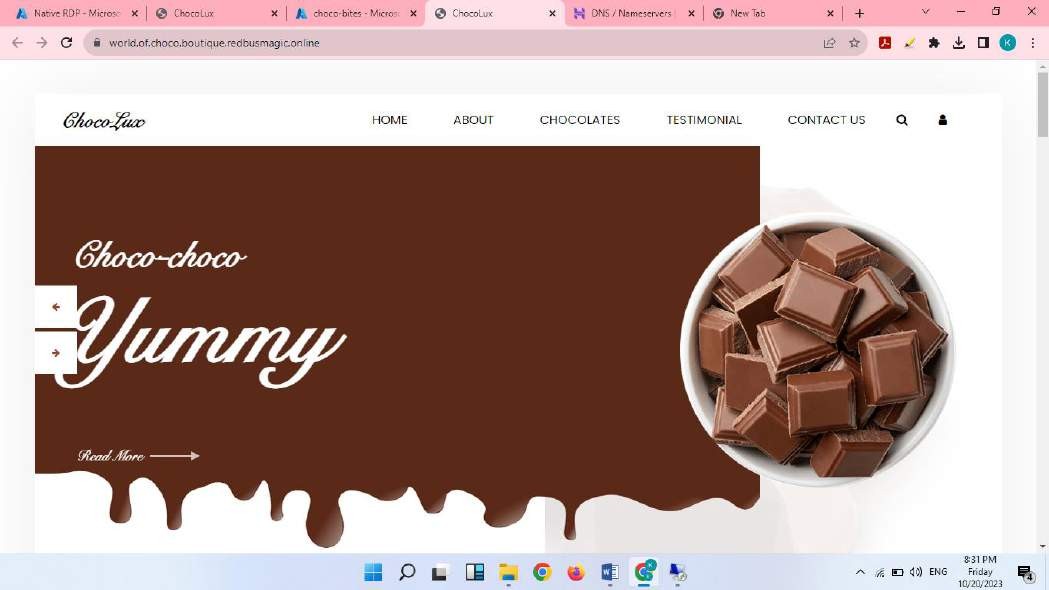
Added it in Hostinger



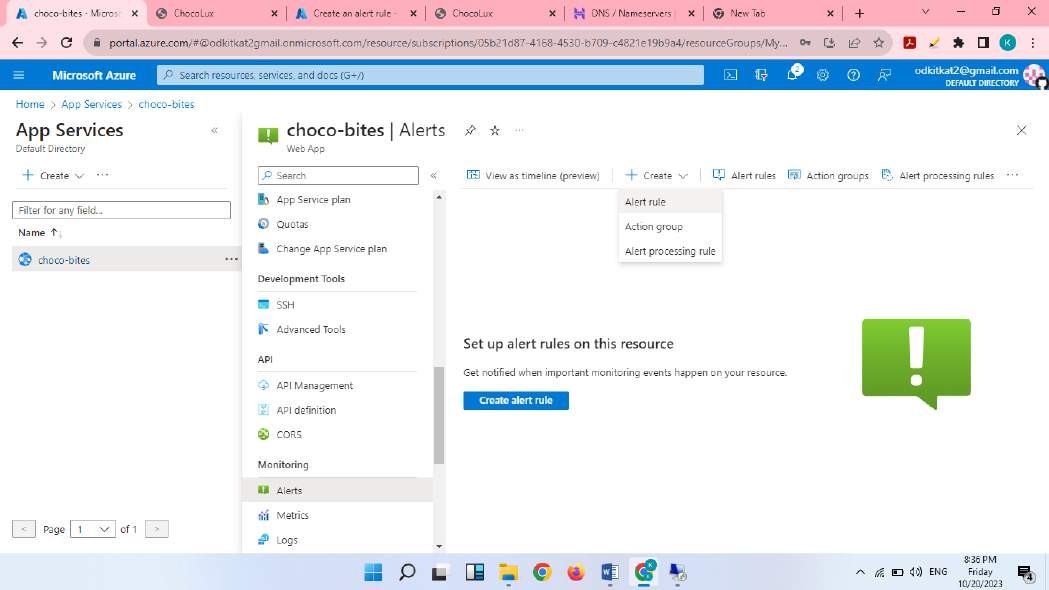
Validate the domain & Add



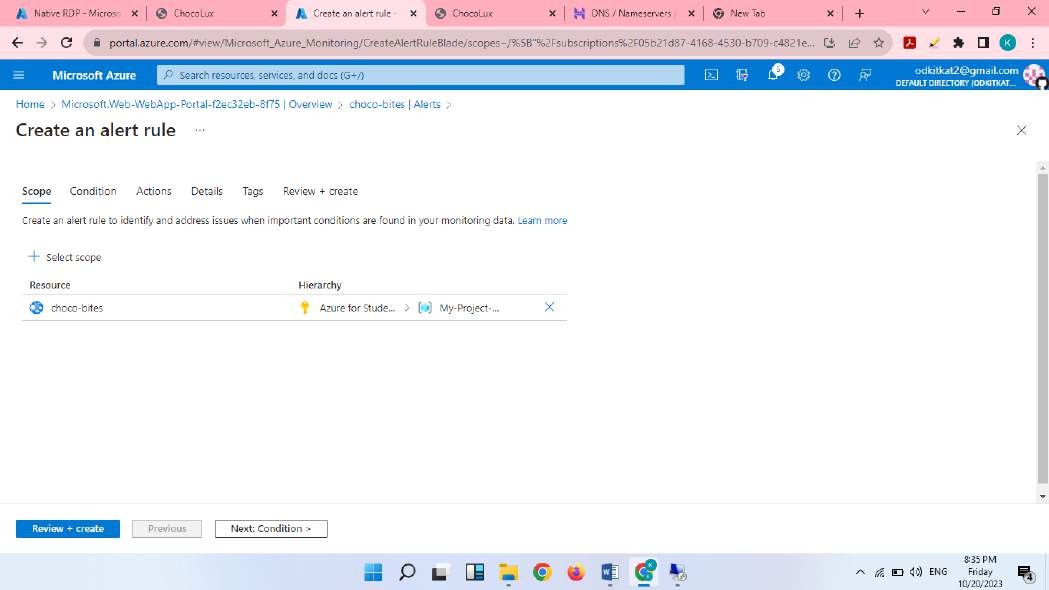
Domain with SSL

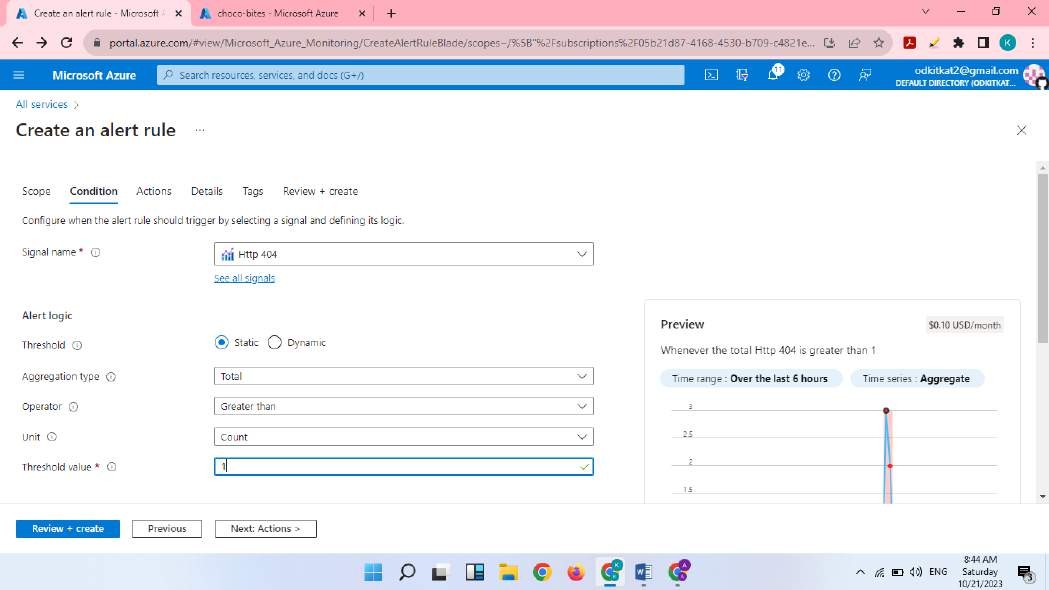


Viewing website with our own domain

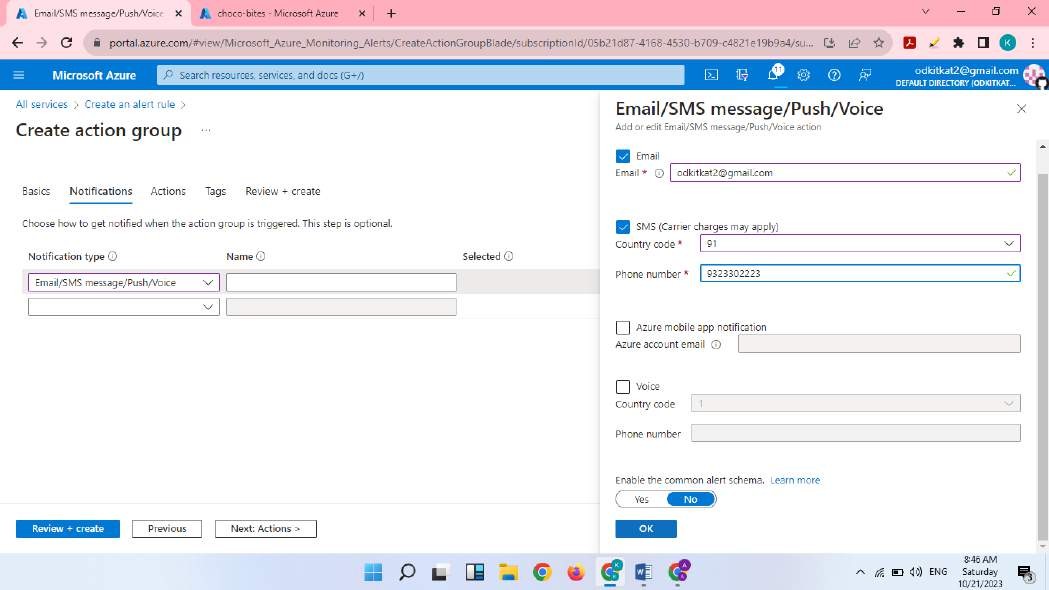


Creating an alert rule for web App

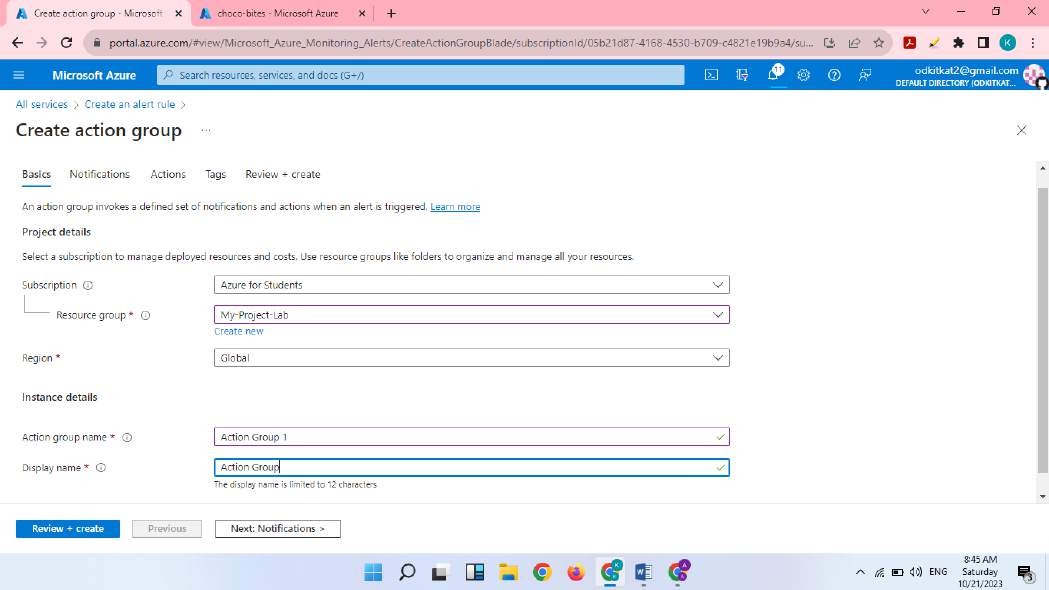




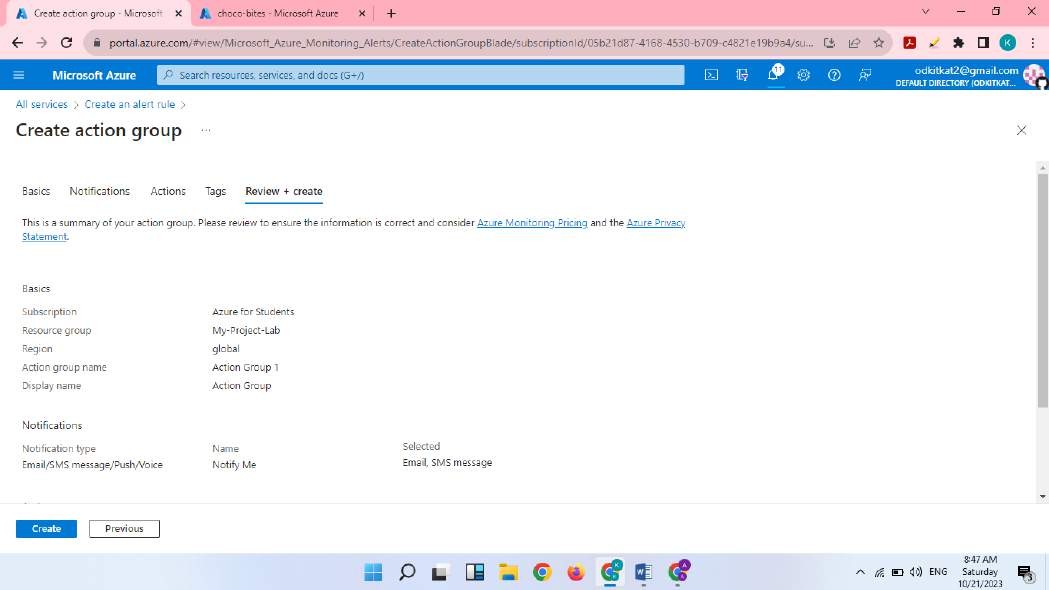
Identify the rule

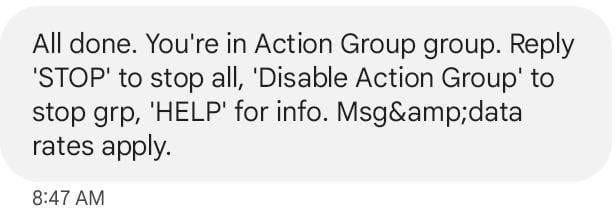


Giving email & phone number for notifications.

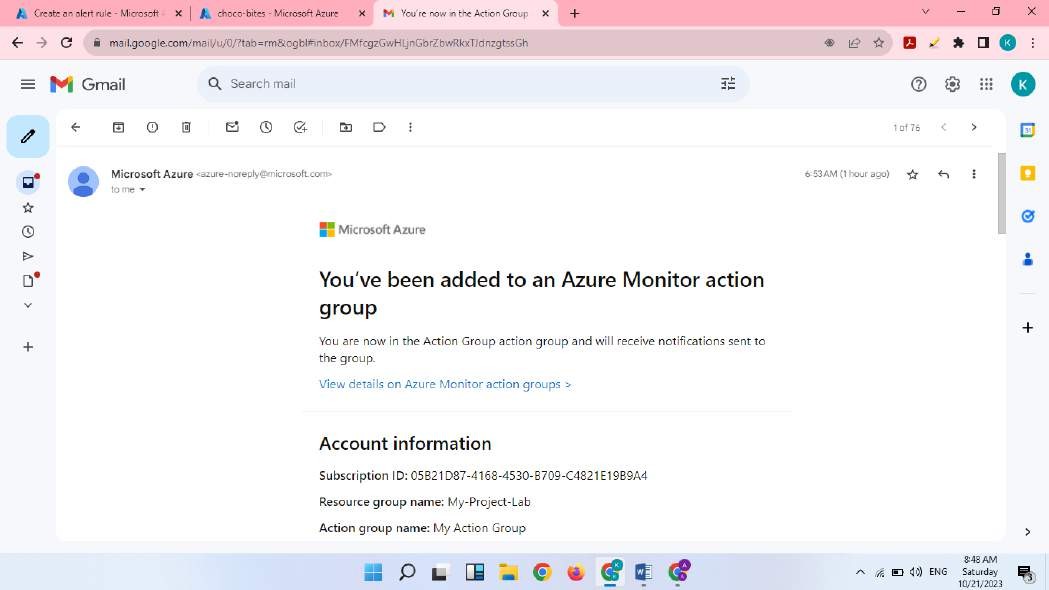


Create an action group

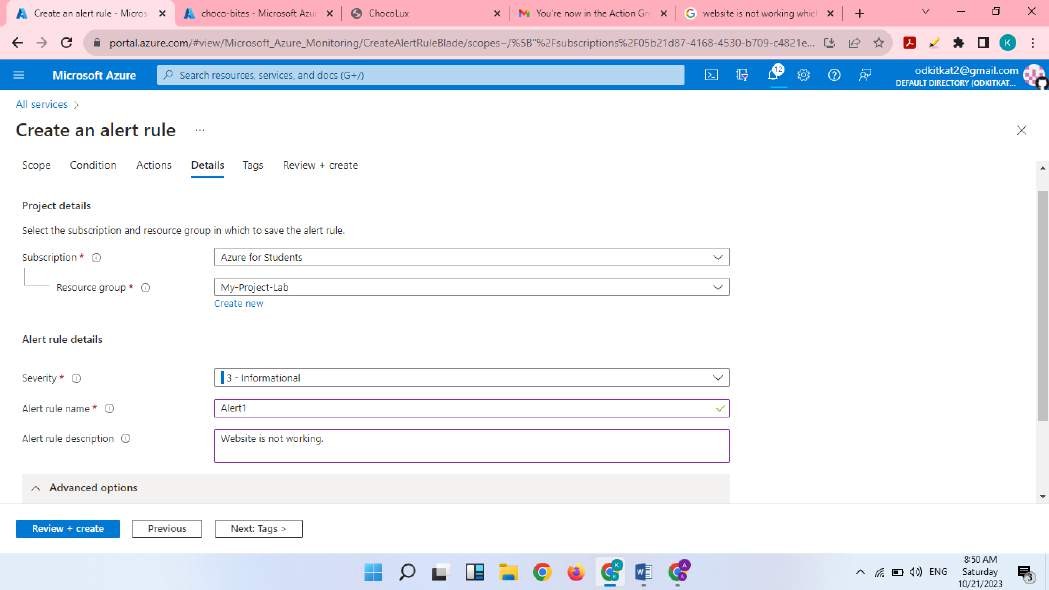




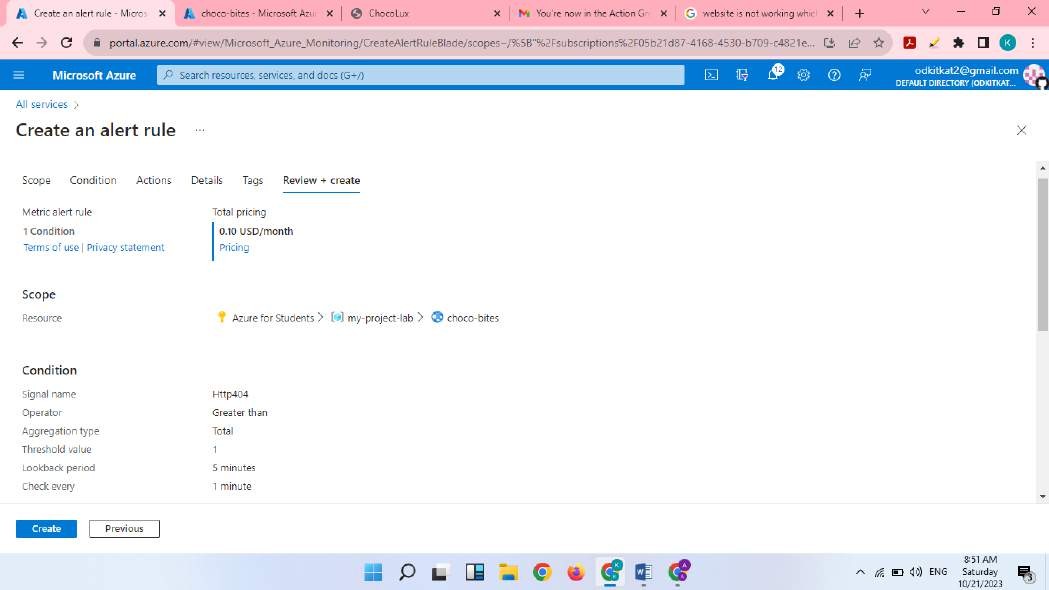
Registered phone number

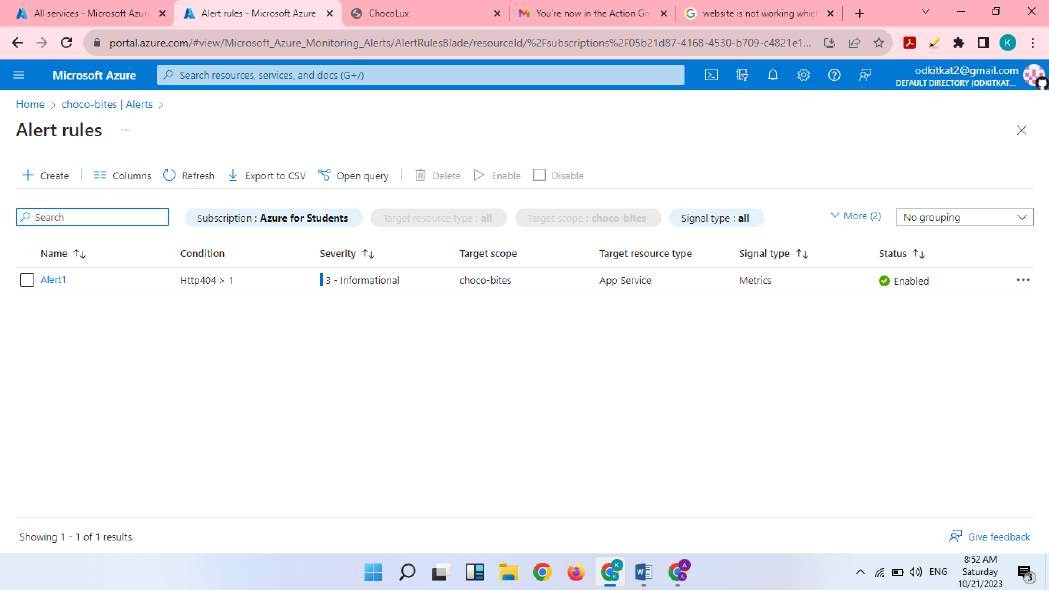


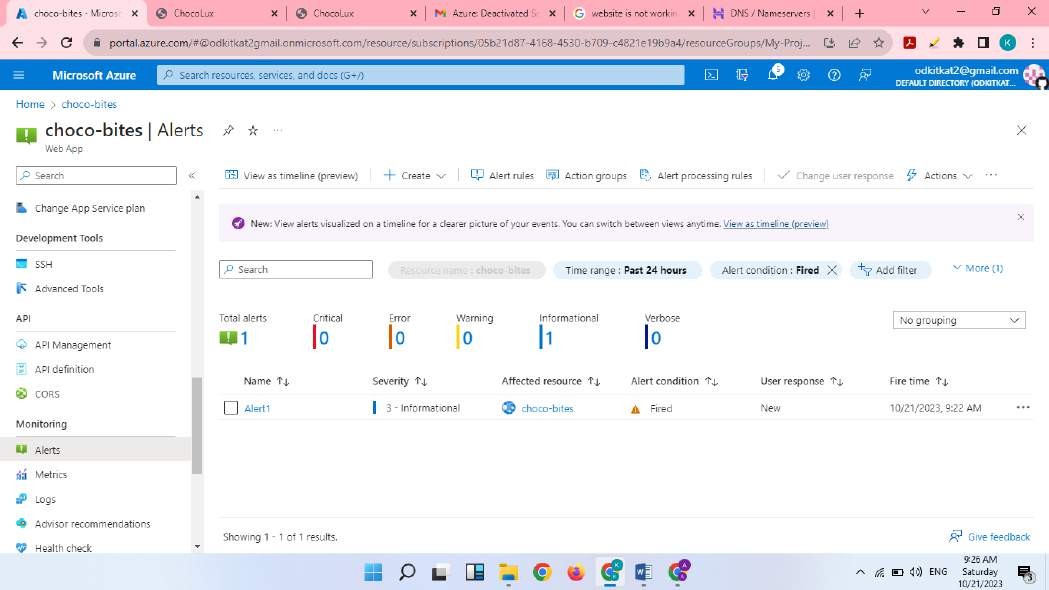
Registered email

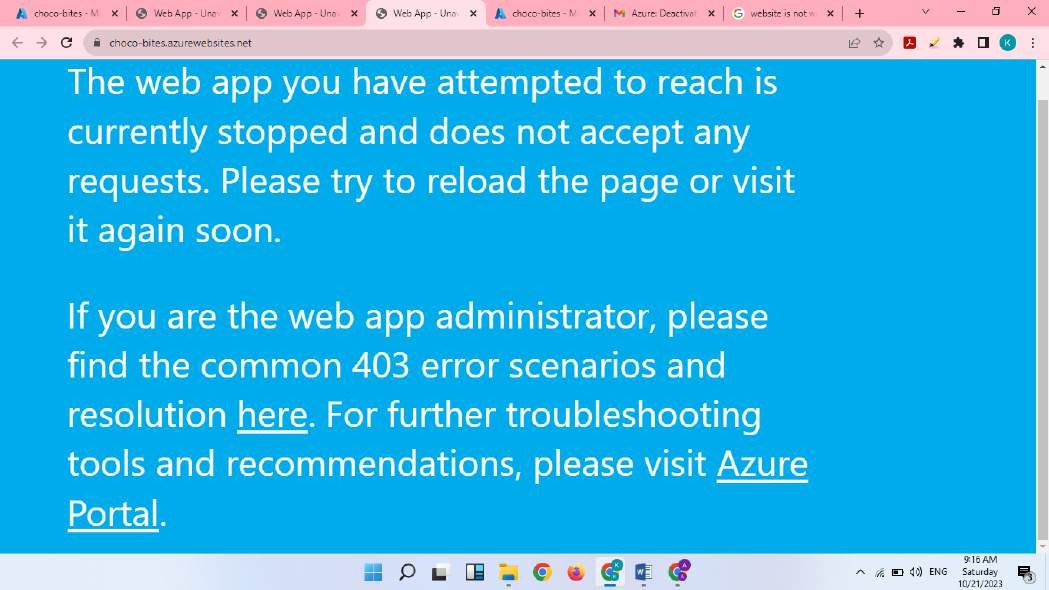


Create an alert rule for choco bites

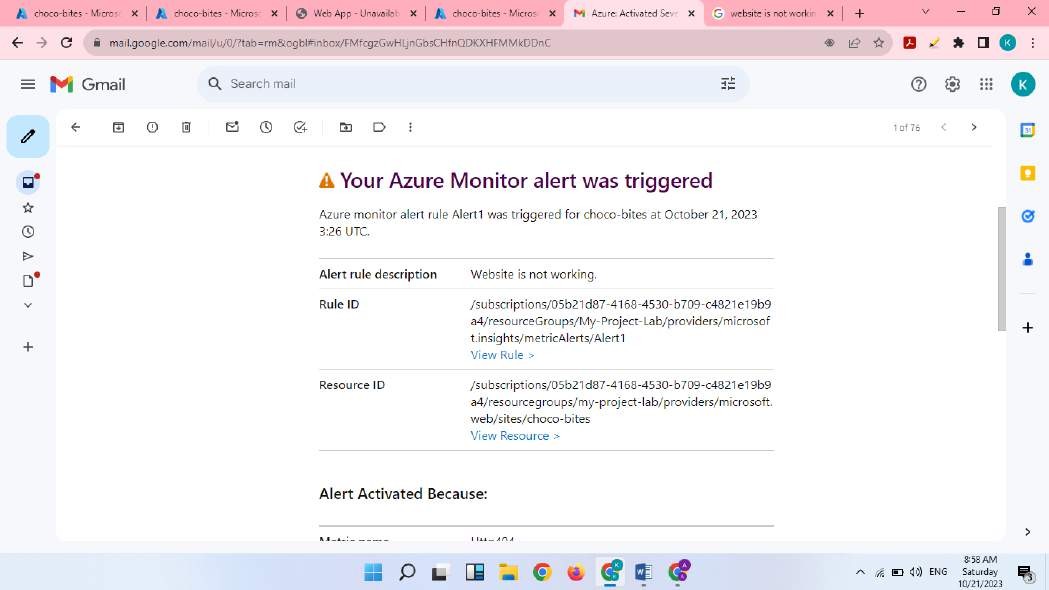




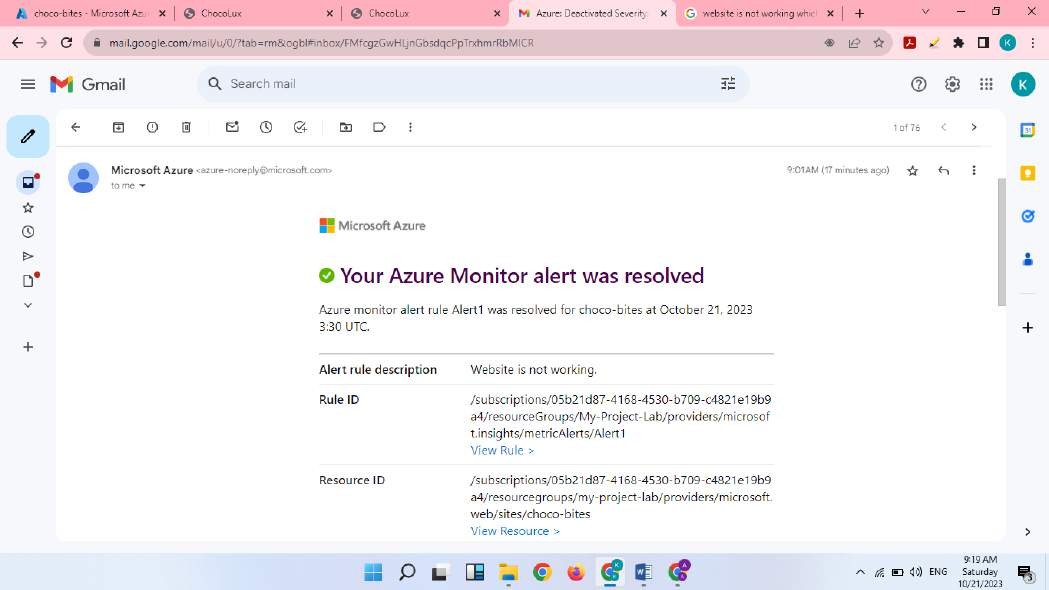
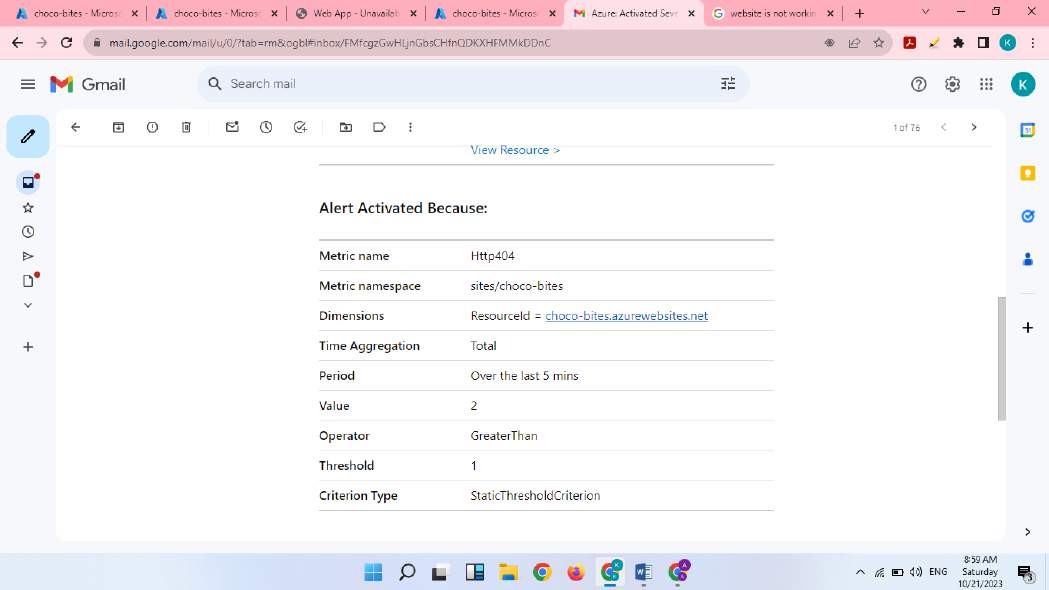




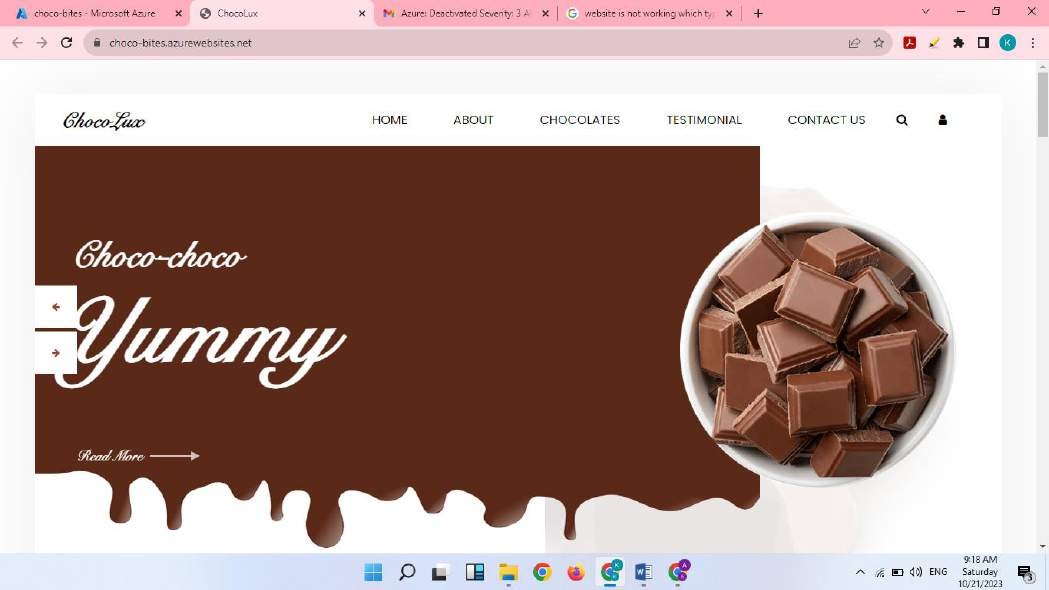
Access denied



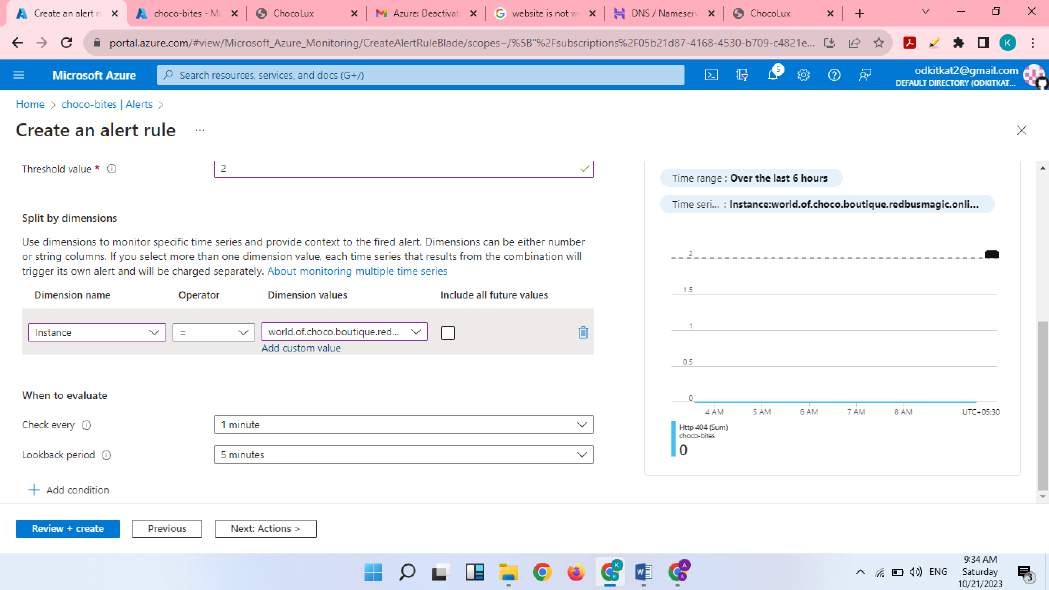
Email Received for error



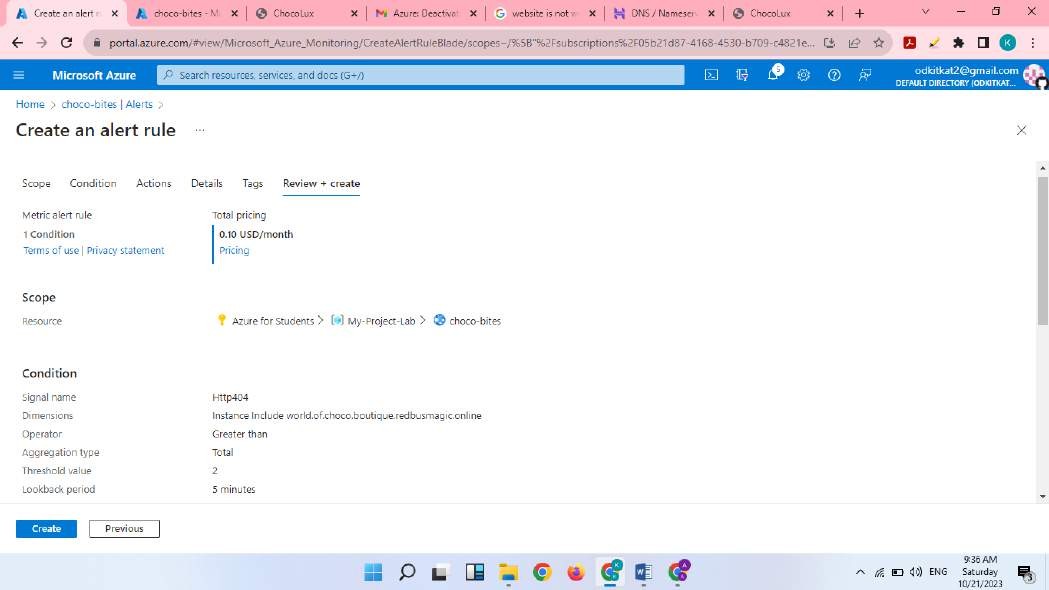
Email Received for error resolved

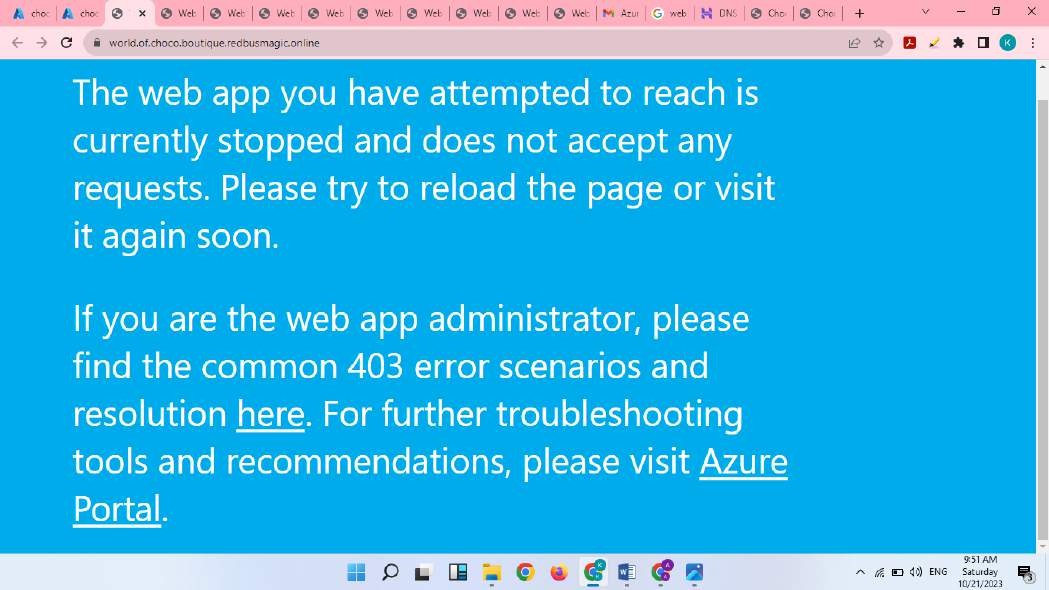


We can view website now

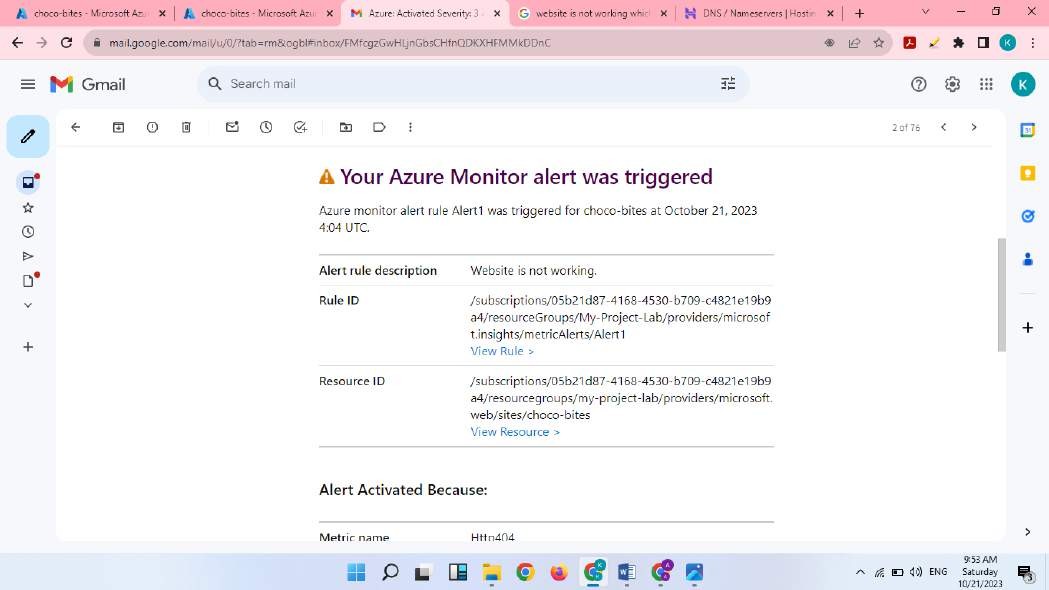


Create an alert rule for worldofchocoboutique

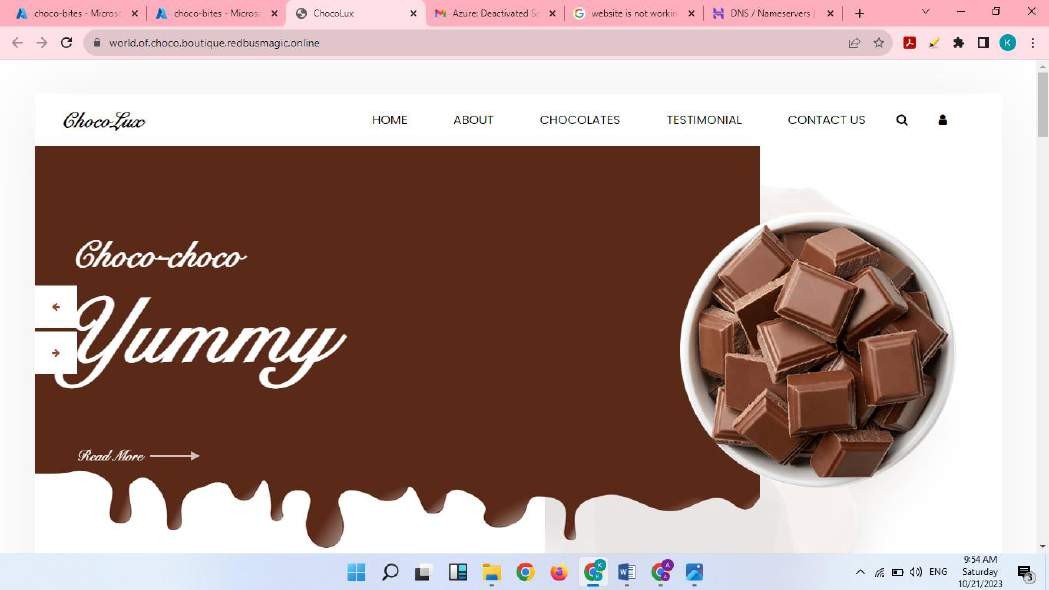




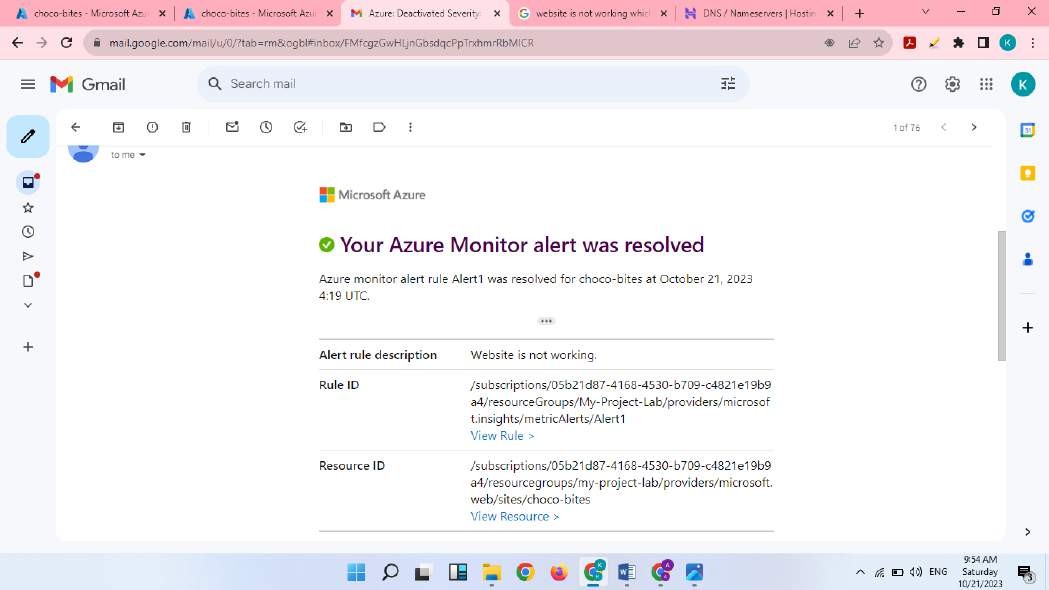
Access Denied



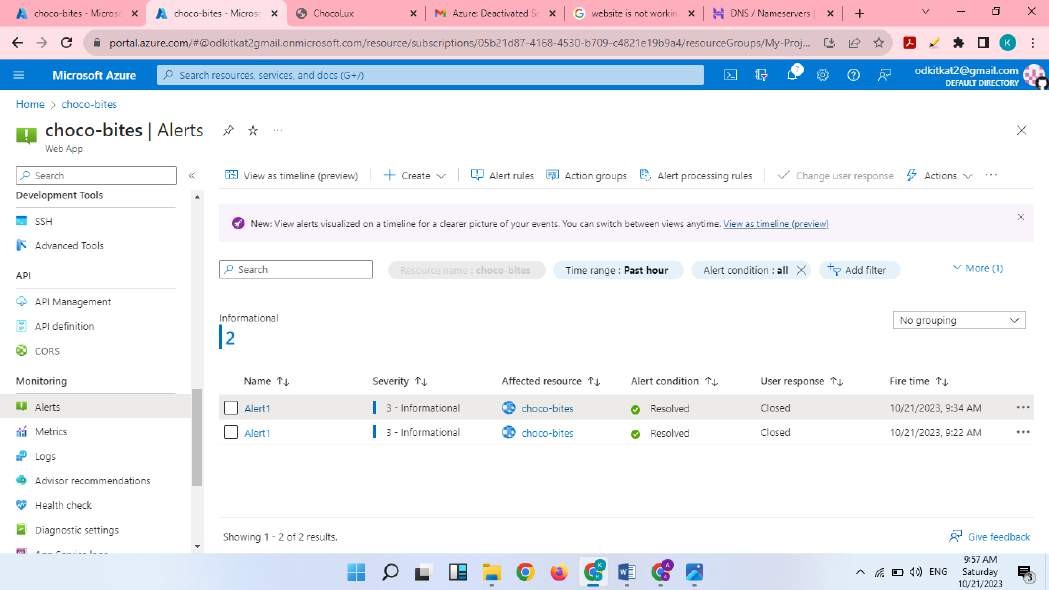
Email Received for error



We can view website now



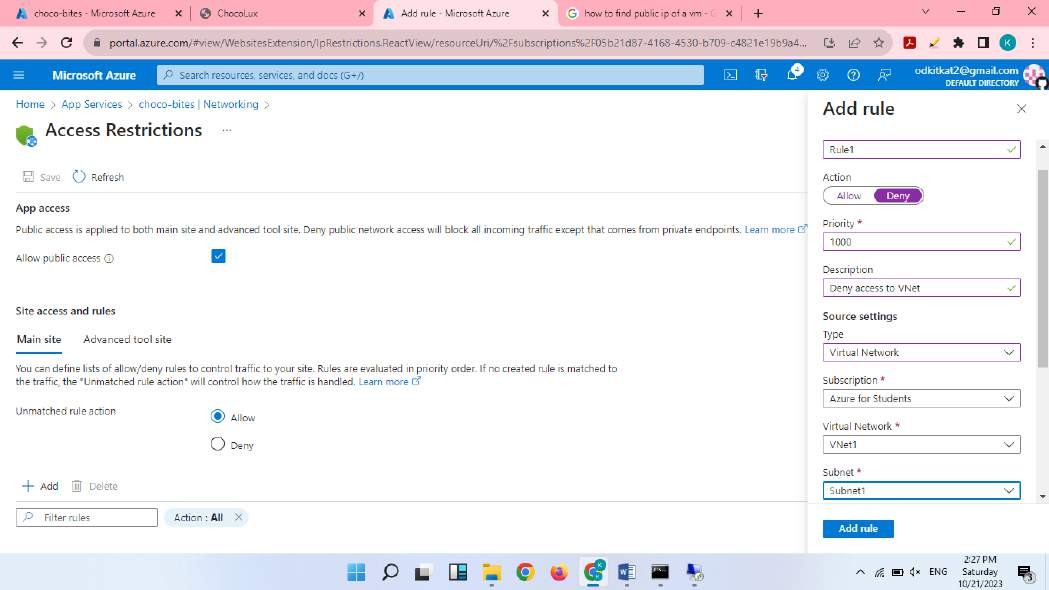
Email Received for error resolved



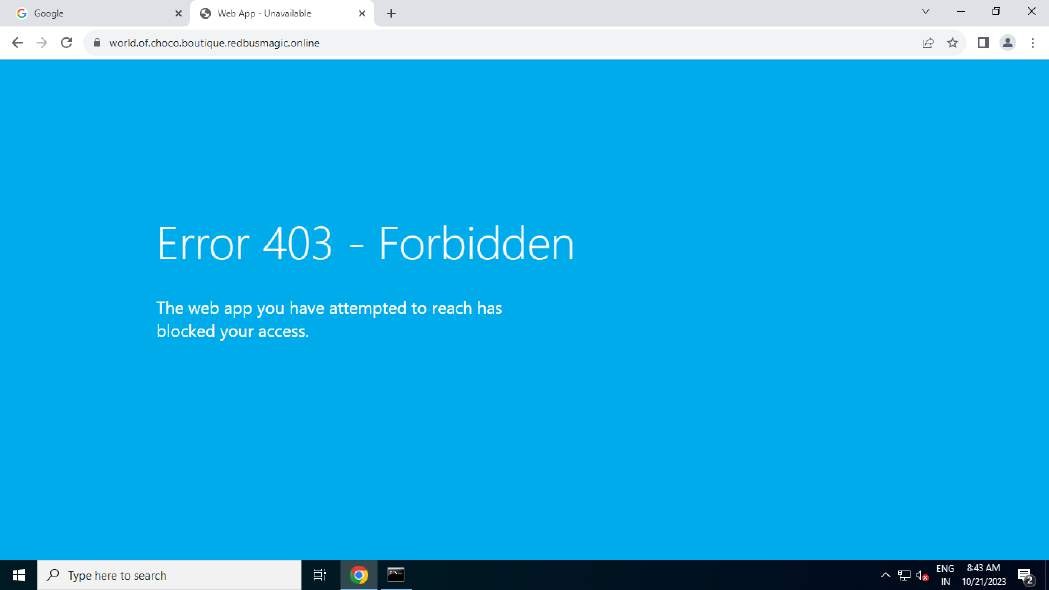
Error Solved



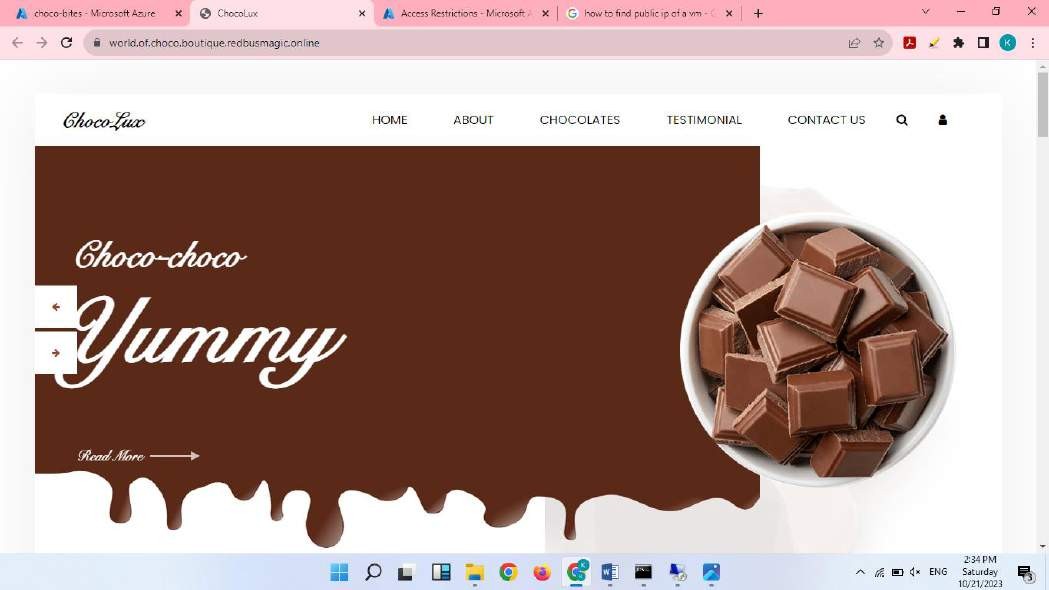
Access restriction ON



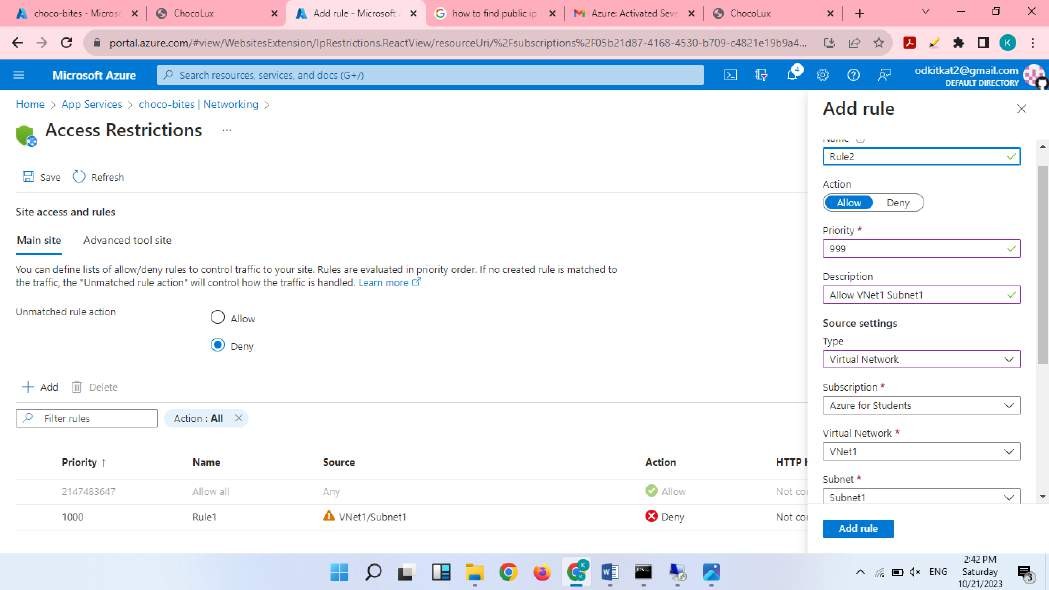
Add Rule to deny access to VM1



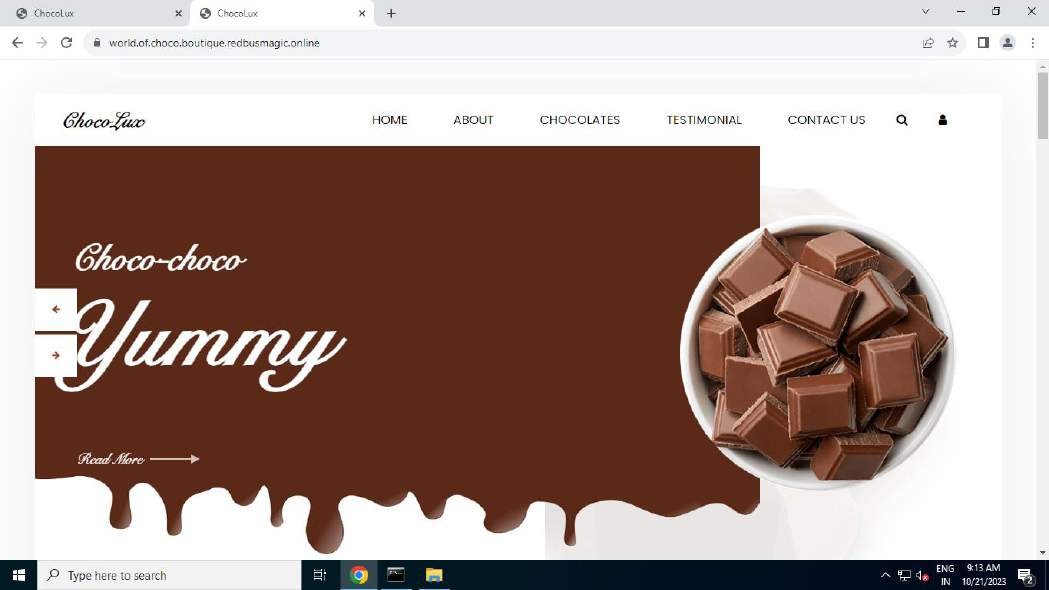
Access Denied in VM1



But able to view in Local Machine



Add Rule to allow access to VM1



Access granted to VM1