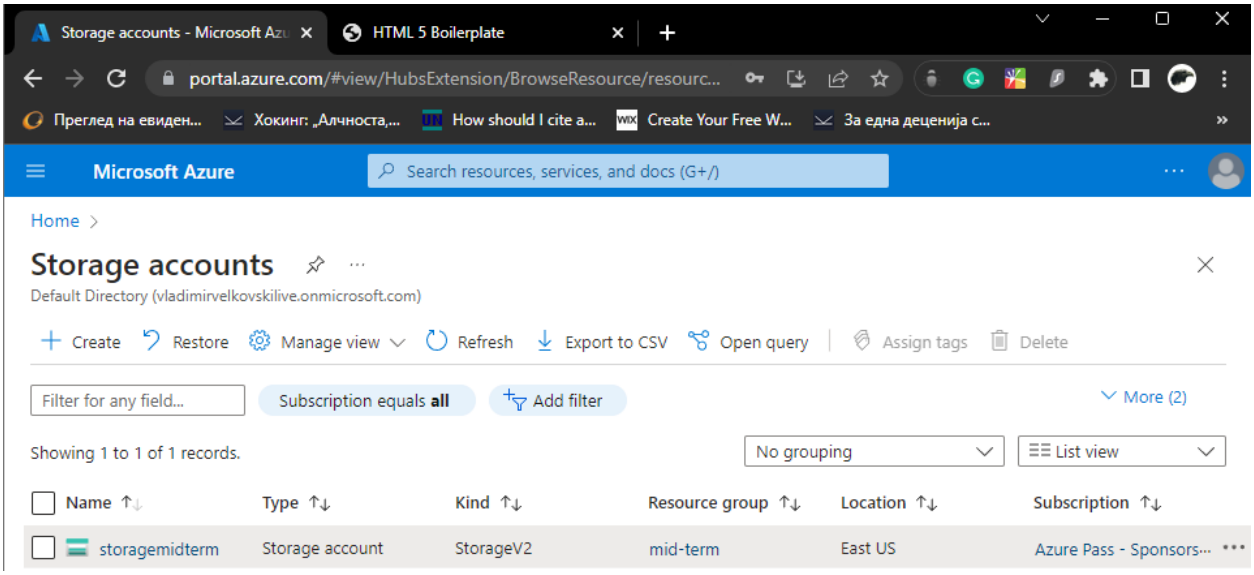
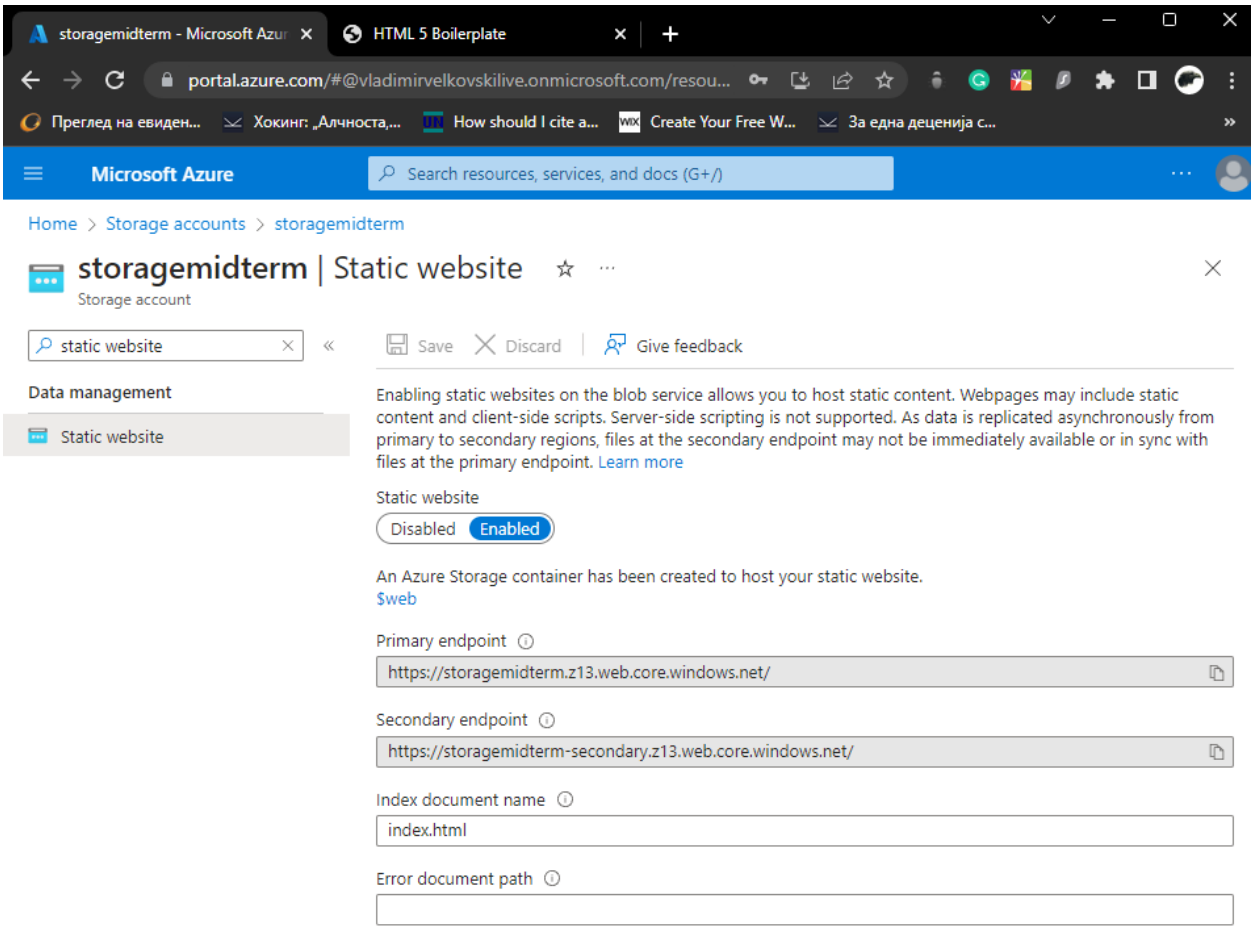
Mid-Term Task
Part I

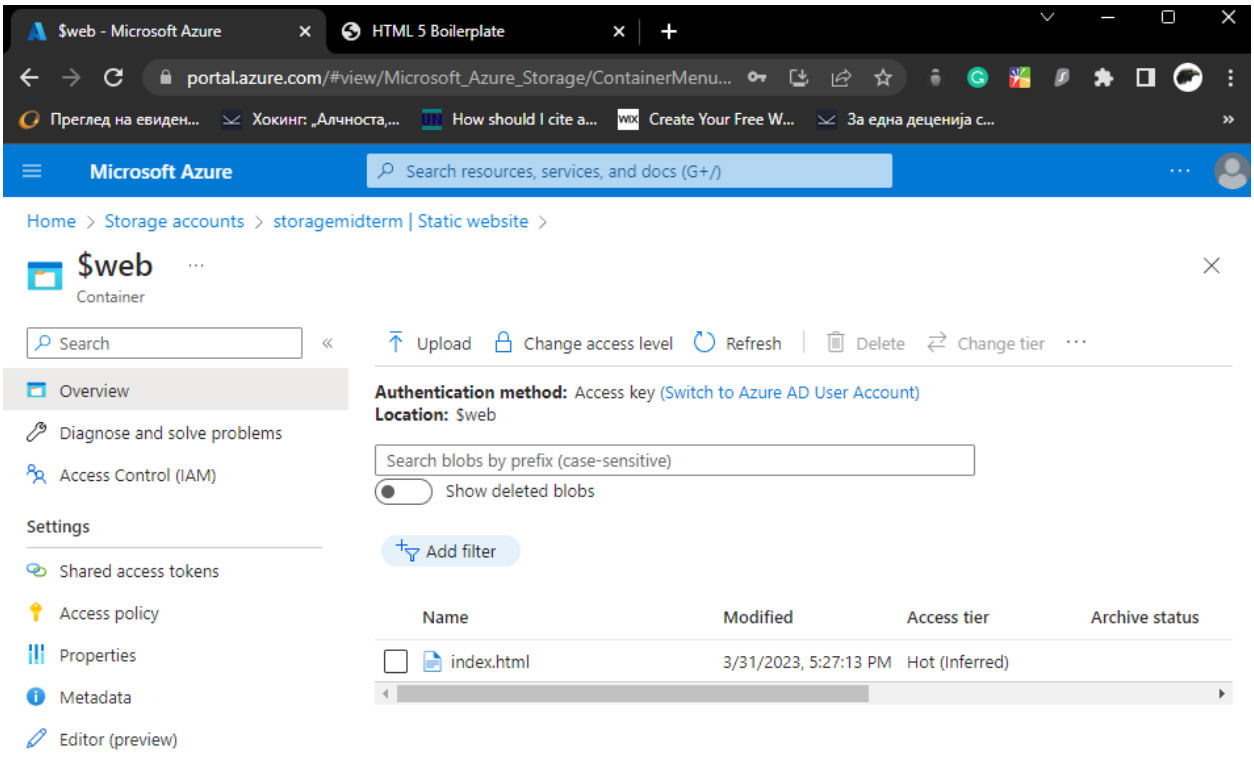
1. Host a static website on Blob Storage: build and deploy a static Hello World website to Azure Storage.
2. Verify that the default web page has the **Hello World!** page.
3. Provide the steps and results.

First I created a new storage account which I named "storagemidterm".

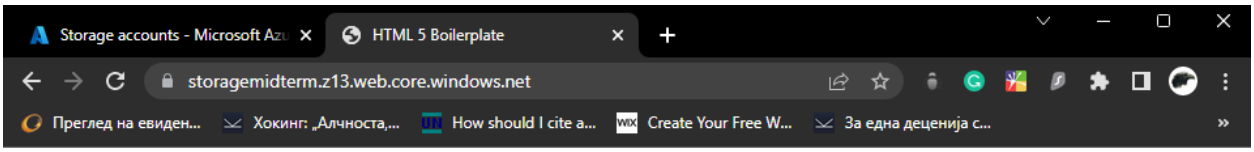


After that, I enabled the static website hosting where an Azure Storage blob container named “$web” has been created to host the static website and uploaded the previous created html file called “index.html”. In the field “Index document name” I inserted the name of the file “index.html” and saved the configurations.


storagemidterm - Microsoft Azur
HTML 5 Boilerplate
portal.azure.com/#@vladimirvelkovskilive.onmicrosoft.com/resou...
Преглед на евиден...
Хокинг: „Алчноста,...
How should I cite a...
Create Your Free W...
За една деценија с...
Microsoft Azure
Search resources, services, and docs (G+/)
Home > Storage accounts > storagemidterm
storagemidterm | Static website
Storage account
static website
Data management
Static website
Save
Discard
Give feedback
Enabling static websites on the blob service allows you to host static content. Webpages may include static content and client-side scripts. Server-side scripting is not supported. As data is replicated asynchronously from primary to secondary regions, files at the secondary endpoint may not be immediately available or in sync with files at the primary endpoint. Learn more
Static website
Disabled
Enabled
An Azure Storage container has been created to host your static website.
$web
Primary endpoint
https://storagemidterm.z13.web.core.windows.net/
Secondary endpoint
https://storagemidterm-secondary.z13.web.core.windows.net/
Index document name
index.html
Error document path


$web - Microsoft Azure
HTML 5 Boilerplate
portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenu...
Преглед на евиден...
Хокинг: „Алчноста,...
How should I cite a...
Create Your Free W...
За една деценија с...
Microsoft Azure
Search resources, services, and docs (G+/)
Home > Storage accounts > storagemidterm | Static website >
$web
Container
Search
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Shared access tokens
Access policy
Properties
Metadata
Editor (preview)
Upload
Change access level
Refresh
Delete
Change tier
Authentication method: Access key (Switch to Azure AD User Account)
Location: $web
Search blobs by prefix (case-sensitive)
Show deleted blobs
Add filter
Name
Modified
Access tier
Archive status
index.html
3/31/2023, 5:27:13 PM
Hot (Inferred)

In the end I copied the primary endpoint link and paste it in a new browser tab and verified that the website is working and displaying the "Hello World!" content.

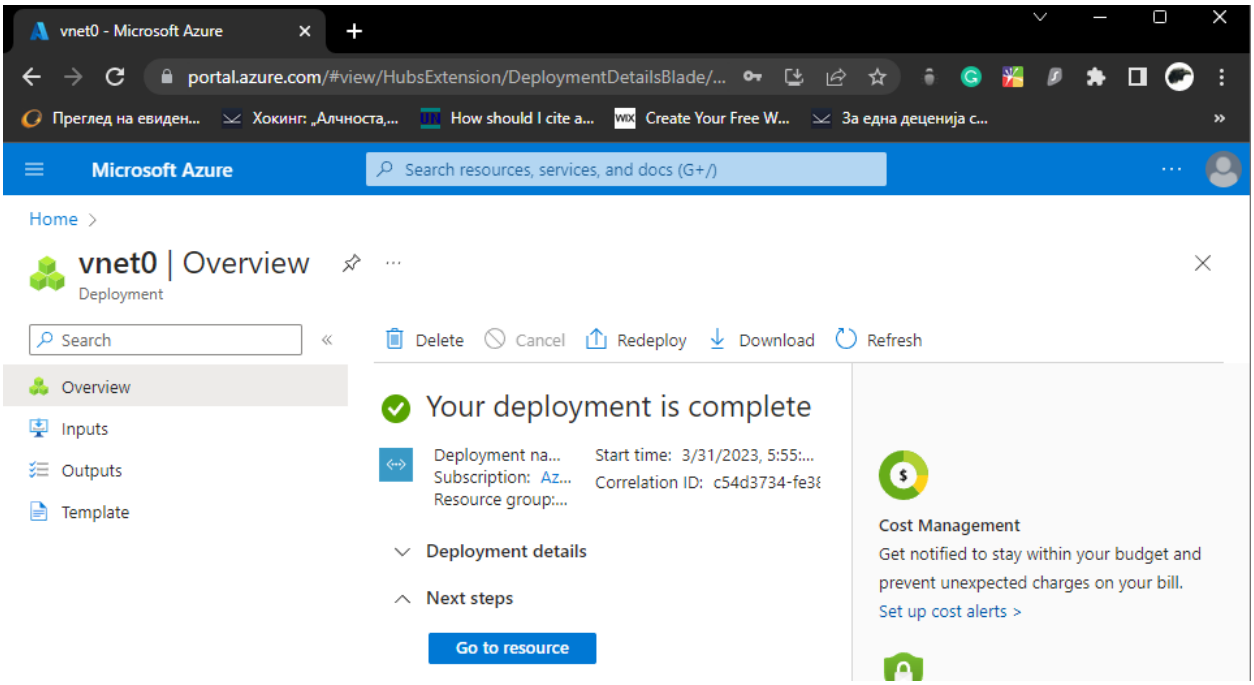


Hello World!

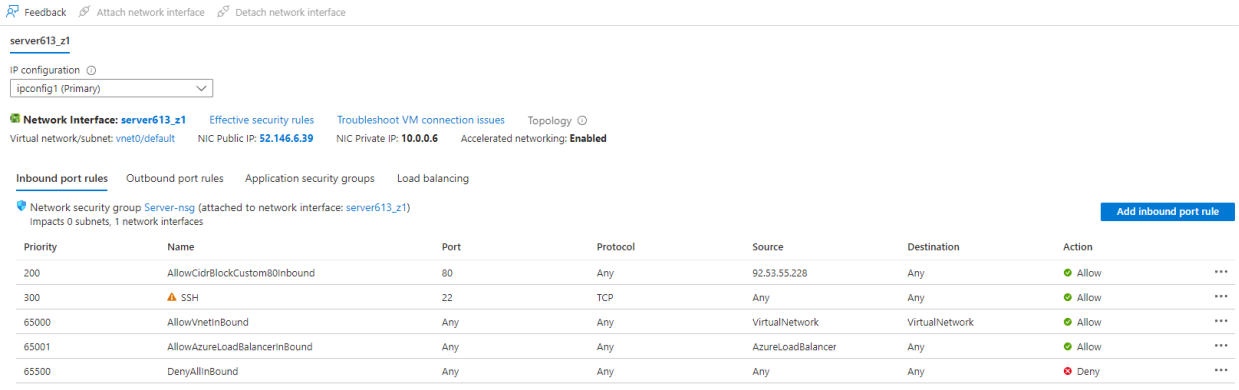
Part II

In this exercise we will setup a Linux based web server and will deploy a web page on it.

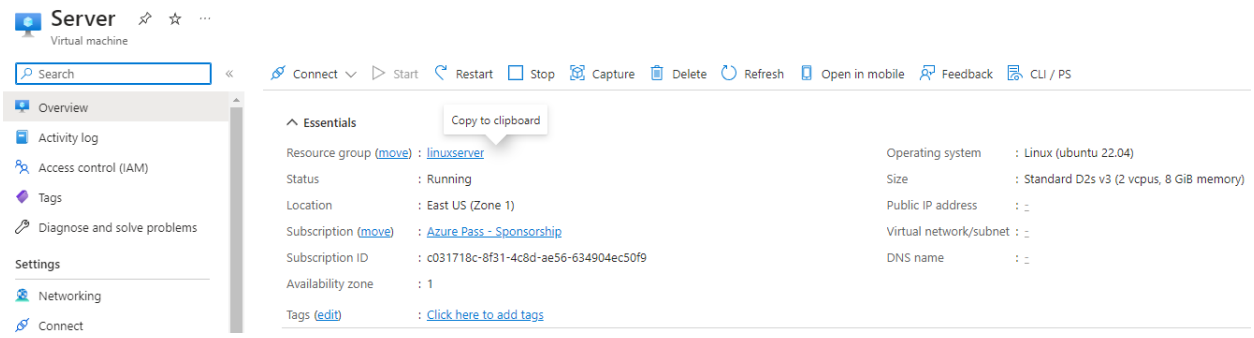
1. Create a Virtual Network where you will deploy your Linux Based Web Server.



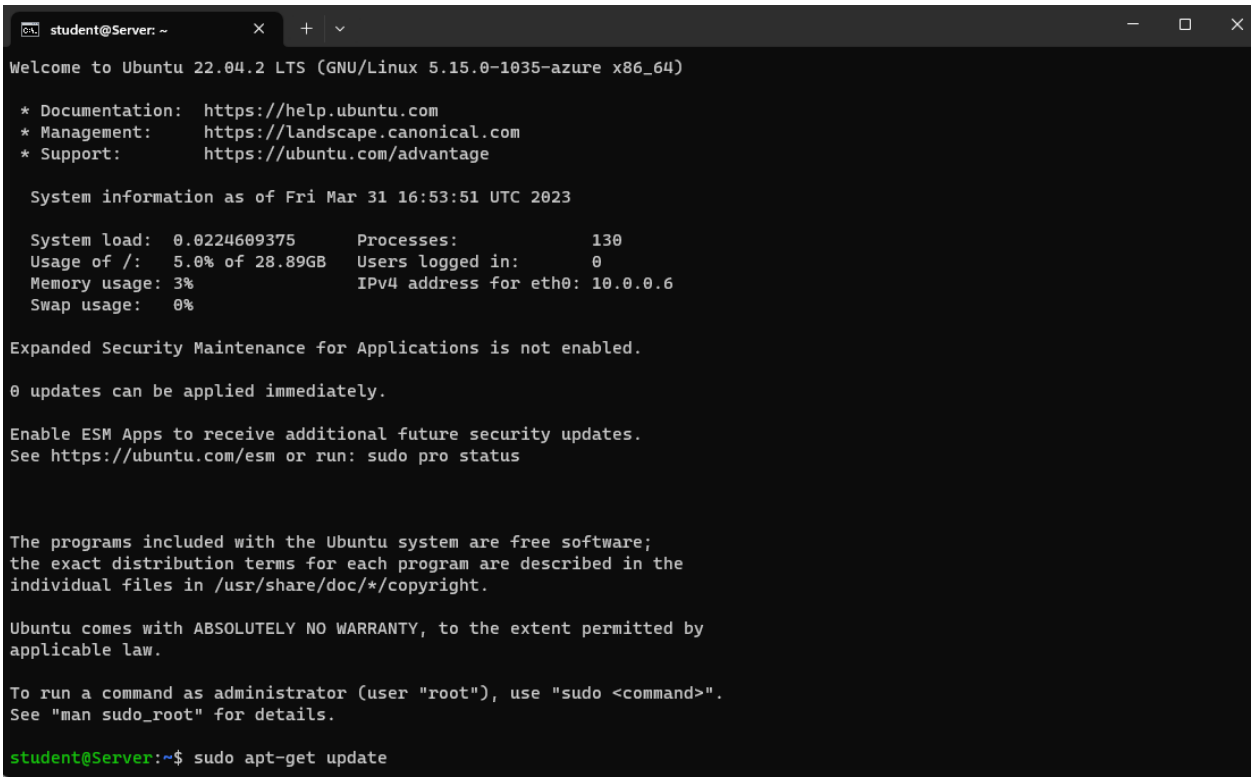
2. Modify the network security group for your virtual machine that will allow you to remotely manage your machine only from your local machine and nowhere else.



3. Create a Linux Virtual Machine that will be your Web Server which is publicly available for web publishing (not SSL) only from your machine and nowhere else.



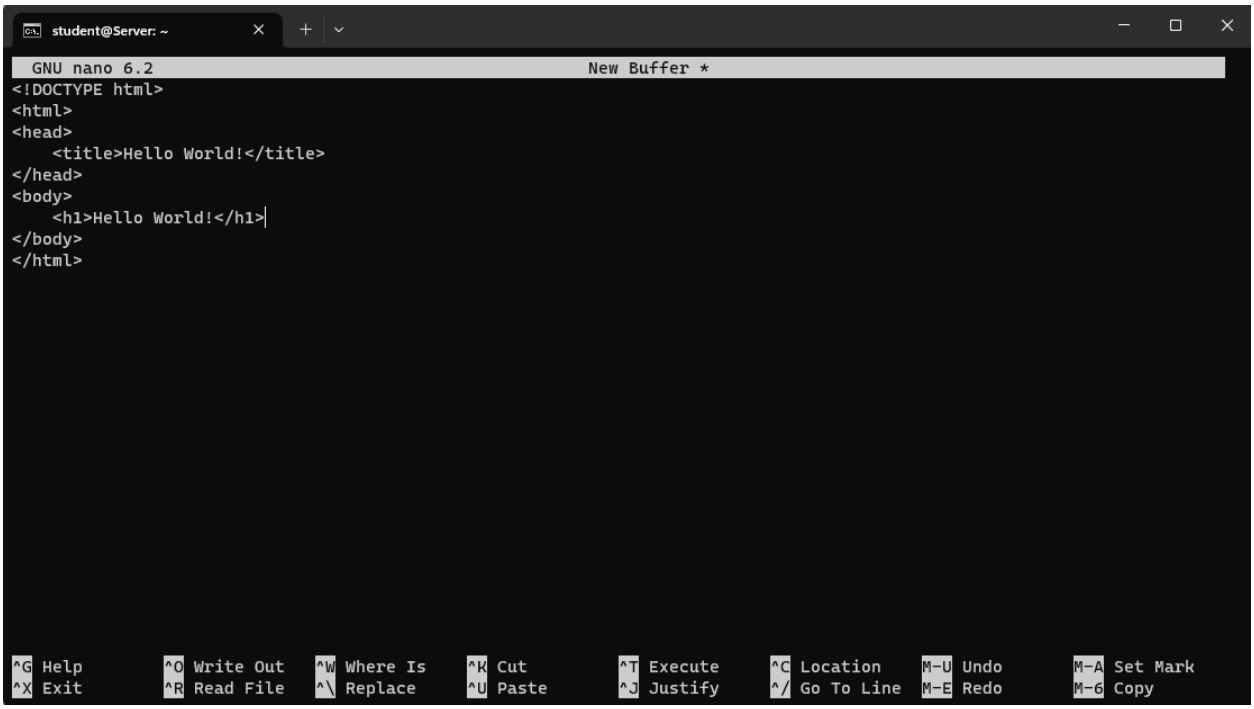
4. Connect to the VM.



5. Install Apache Web Server.

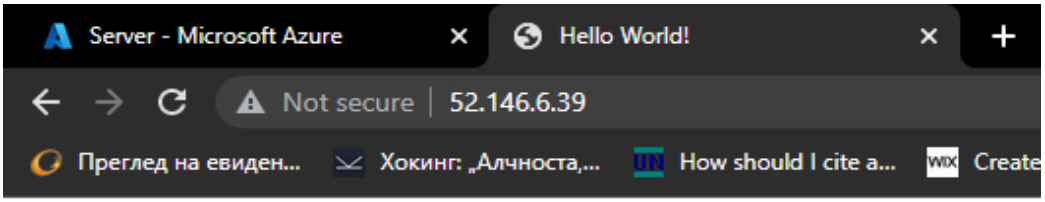
```
student@Server:~$ sudo apt-get install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

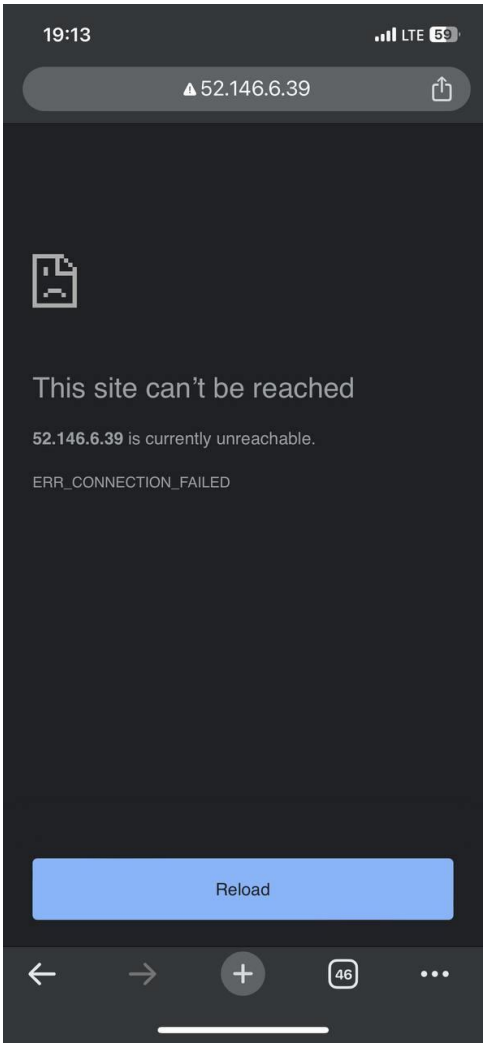
6. Deploy the “Hello World” web page.




```
student@Server:~$ ls /var/www/html
index.html
student@Server:~$ ls -l /var/www/html/index.html
-rw-r--r-- 1 root root 119 Mar 31 17:00 /var/www/html/index.html
```

7. Provide Testing from your cellphone.
The first screenshot is from my machine whose IP address is allowed to access the virtual machine.



Hello World!

The second screenshot is from my mobile phone which is connected to 4G and can’t connect to the VM because it has a different IP address from the PC and the inbound rule block it.