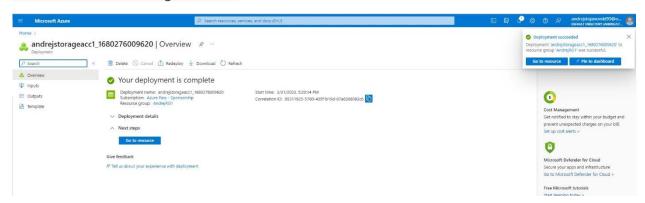
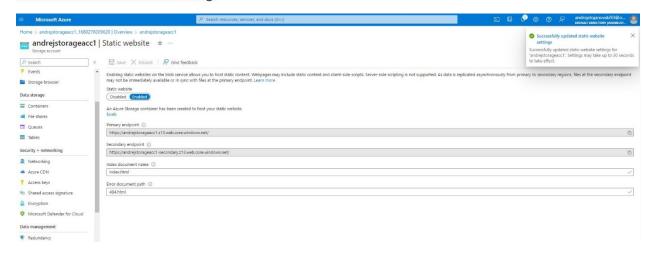
PART 1

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.

1.Create an Azure Storage account:

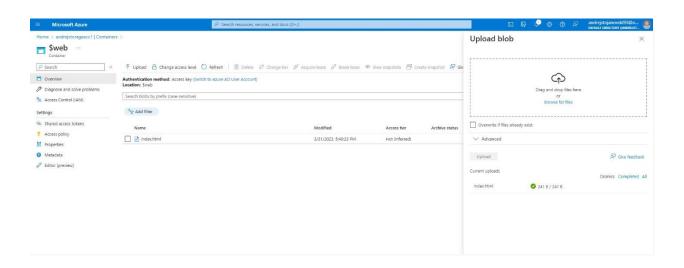


2.Enable static website hosting:

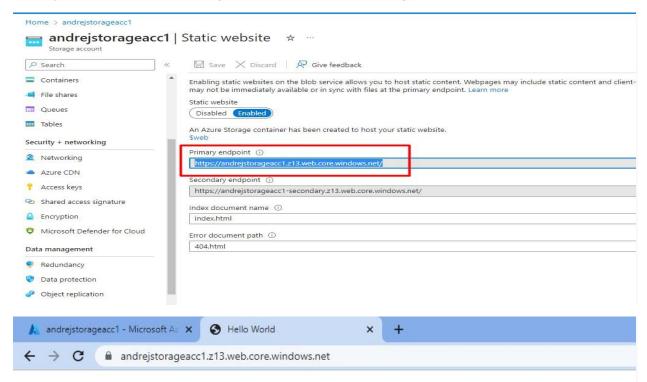


3.Build your "Hello World" website

4.Deploy your "Hello World" website to Azure Storage:



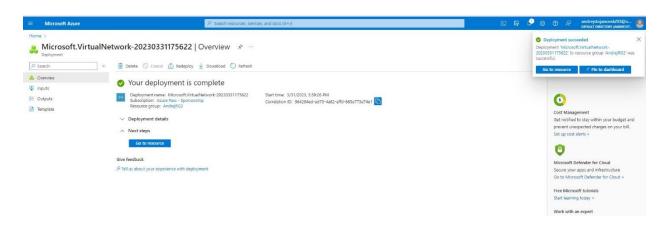
5. Verify that the default web page has the "Hello World!" page:



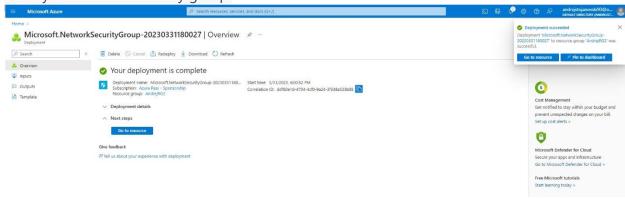
Hello World!

PART 2

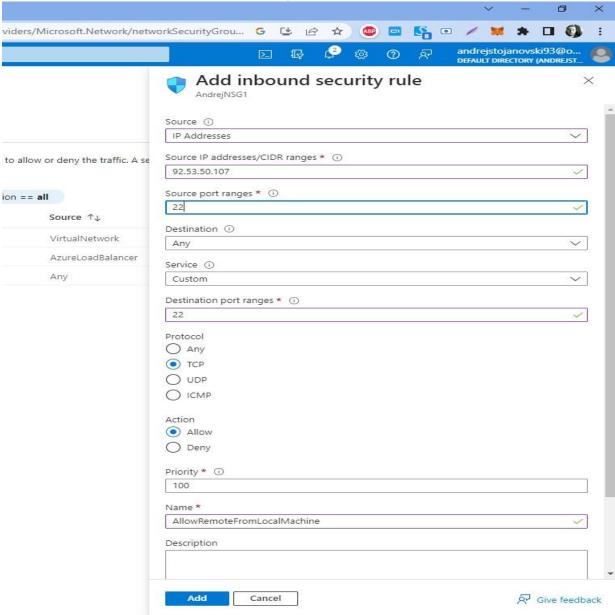
1. Create a Virtual Network:



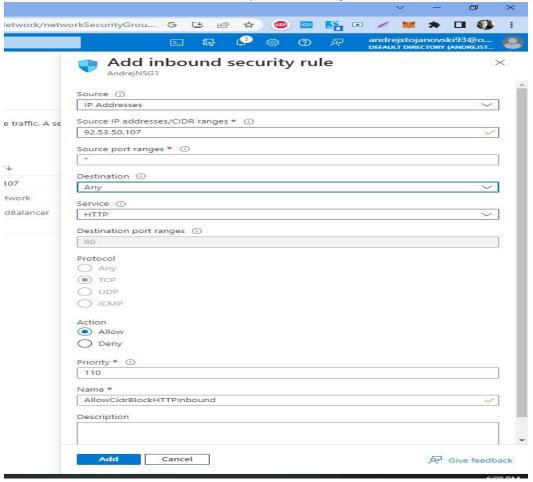
2. Modify the network security group:



3. Create a rule that allows SSH (port 22) from your local machine's IP address. viders/Microsoft.Network/networkSecurityGrou... G 世 6 分

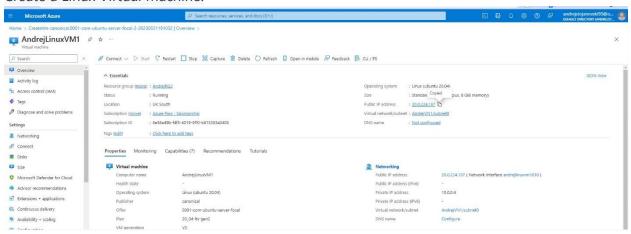


4. Create another rule that allows HTTP (port 80) from your local machine's IP address.





5. Create a Linux Virtual Machine:



6. Connect to the VM:

7. Install Apache Web Server:

```
andrej@AndrejLinuxVM1:~$ sudo apt-get install apache2 -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
    apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4
    liblua5.2-0 ssl-cert
Suggested packages:
    apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser openssl-blacklist
The following NEW packages will be installed:
    apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap
    libjansson4 liblua5.2-0 ssl-cert
0 upgraded, 11 newly installed, 0 to remove and 0 not upgraded.
Need to get 1867 kB of archives.
After this operation, 8098 kB of additional disk space will be used.
Get:1 http://azure.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil1 amd64 1.6.1-4ubuntu2.1 [84.9 kB]
Get:2 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-4ubuntu2.1 [10]
```

8. Check the status of Apache Web Serv

```
Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

New release '22.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Fri Mar 31 16:32:41 2023 from 92.53.50.107
andrej@AndrejLinuxVM1:~$ sudo systemctl status apache2

apache2.service - The Apache HTTP Server

Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)

Active: active (running) since Fri 2023-03-31 16:49:40 UTC; 11min ago

Docs: https://httpd.apache.org/docs/2.4/
Process: 3477 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)

Main PID: 3481 (apache2)

Tasks: 55 (limit: 9530)

Memory: 8.8M

CGroup: /system.slice/apache2.service

-3481 /usr/sbin/apache2 -k start

-3482 /usr/sbin/apache2 -k start

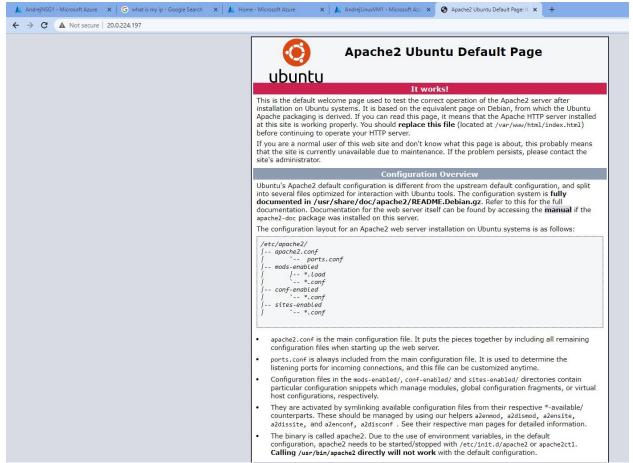
-3483 /usr/sbin/apache2 -k start

-3483 /usr/sbin/apache2 -k start

Mar 31 16:49:40 AndrejLinuxVM1 systemd[1]: Starting The Apache HTTP Server..

Mar 31 16:49:40 AndrejLinuxVM1 systemd[1]: Started The Apache HTTP Server.
```

9.Connect to the public IP of the Linux VM, without the change in HTML page (default)



10. Change the HTML page to Hello World!

```
andrej@AndrejLinuxVM1:~

andrej@DESKTOP-8840HSK:/mnt/d/MidTermIndex$ scp index.html andrej@20.0.224.197:/tmp/
andrej@20.0.224.197's password:
index.html
andrej@DESKTOP-8840HSK:/mnt/d/MidTermIndex$ ssh andrej@20.0.224.197
andrej@20.0.224.197's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1035-azure x86_64)

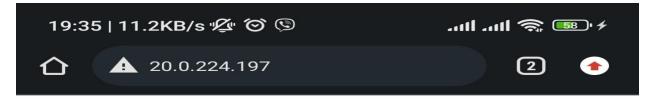
Last login: Fri Mar 31 16:52:19 2023 from 92.53.50.107
andrej@AndrejLinuxVM1:~$ sudo mv /tmp/index.html /var/www/html/
andrej@AndrejLinuxVM1:~$ sudo systemctl restart apache2
andrej@AndrejLinuxVM1:~$
```

11. Reload the page after changing the html page on apache web server



Hello World!

12. From cellphone



Hello World!