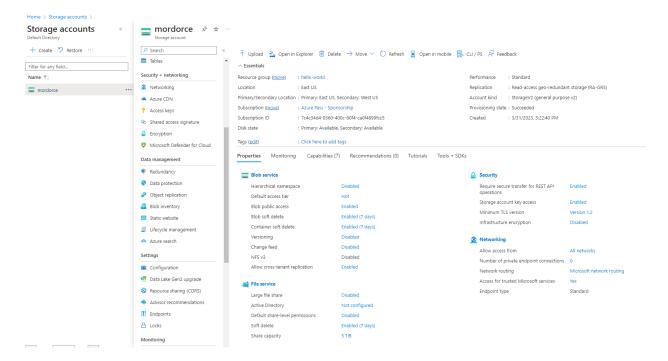
Velibor Stanisic - Mid-Term Task

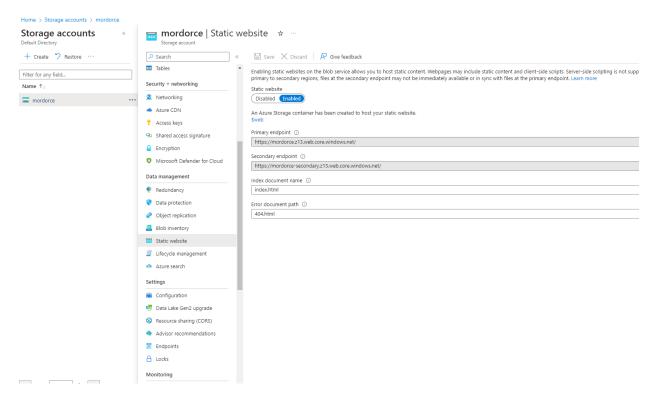
Part I

- 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.

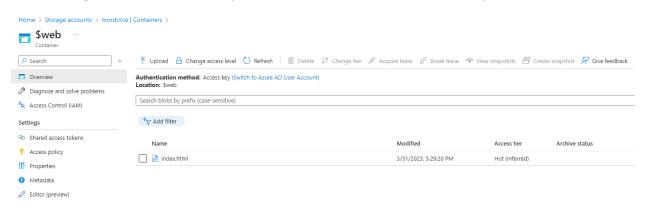
Created a storage account.



Under Settings, enabled Static Website Option set paths to index.html



In the settings -> containers \$web I uploaded the index.html file I created locally



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.
- 6. Deploy the "Hello World" web page.

7. Provide Testing from your cellphone.



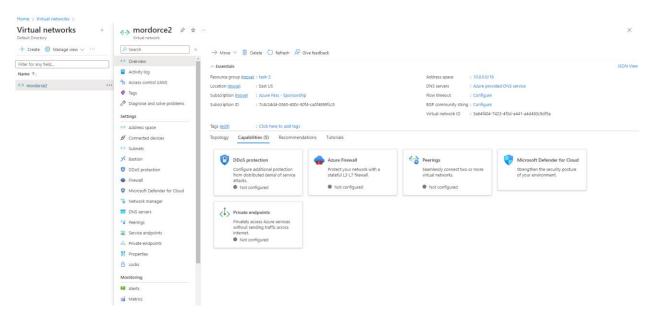
Hello World!





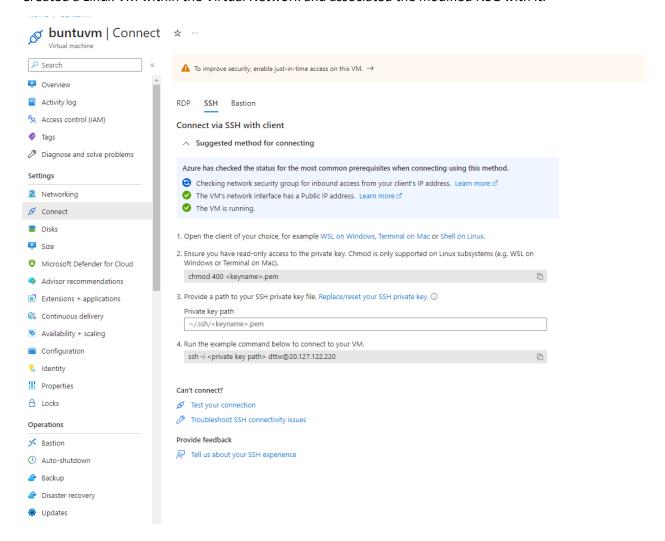
8. Provide the steps and results.

Created a Virtual Network in Azure.



Modified the Network Security Group to allow SSH and HTTP access only from your local machine and phone's IP addresses.

Created a Linux VM within the Virtual Network and associated the modified NSG with it.



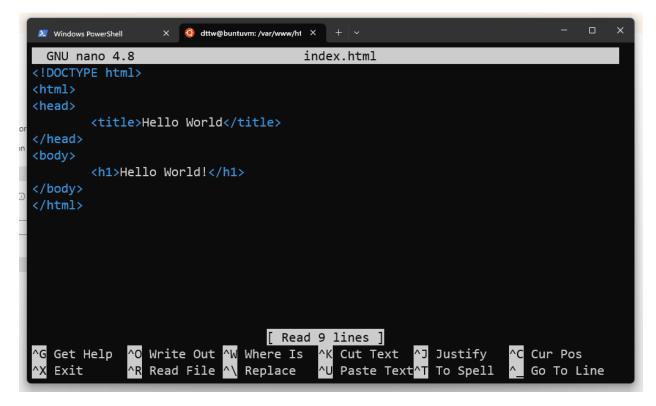
Connected to the VM via SSH using your local machine.

```
× 🧔 dttw@buntuvm: /var/www/ht × + v
Windows PowerShell
drwxr-xr-x 3 dttw dttw 4096 Nov 6 19:14 .yarn
-rw-r--r-- 1 dttw dttw 116 Nov 6 19:04 .yarnrc
dttw@dttw:~$ ssh dttw@20.127.122.220
The authenticity of host '20.127.122.220 (20.127.122.220)' can't be established.
ED25519 key fingerprint is SHA256:c3zUuCJxCqntg2nypP+5dtfAKZ4Hsyry+T00KFplapc.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '20.127.122.220' (ED25519) to the list of known hosts
dttw@20.127.122.220's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1035-azure x86_64)
* Documentation: https://help.ubuntu.com
 * Management:
                  https://landscape.canonical.com
* Support:
                  https://ubuntu.com/advantage
 System information as of Fri Mar 31 16:40:06 UTC 2023
 System load: 0.17
                                  Processes:
                                                         114
```

Installed the Apache Web Server on the VM.

```
Windows PowerShell
                  × 🧿 dttw@buntuvm: /var/www/h1 × + ×
n-f Metadata [516 B]
Fetched 24.2 MB in 5s (4810 kB/s)
Reading package lists... Done
dttw@buntuvm:~$ sudo apt-get install apache2
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-sql
ite3 libaprutil1-ldap libjansson4
 liblua5.2-0 ssl-cert
Suggested packages:
 apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser openss
1-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 3 not upgraded.
Need to get 1867 kB of archives.
```

Edit the index.html to display Hello World in /var/www/html.



Tested the web page from your phone's browser, successfully viewing the "Hello World" web page.

