Azure Application Gateway – DEMO

Step-by-Step Configuration

1. Create a RG which will contain below resources using attached scripts.

Resource Group = "App-Gateway-Demo"

Region / Location = "uksouth"

vnetName = "vnet\_appgateway\_demo" – CIDR Address Space – 10.0.4.0/23

subnetName= "vnet\_appgateway\_demo\_subnet1" - CIDR Address Space – 10.0.4.0/24

VM1-Name = "VM\_IMAGE" #Ubuntu VM

VM2-Name = "VM\_VIDEO" ##Ubuntu VM

1. Log in to the Azure portal at  [https://portal.azure.com](https://portal.azure.com/).
2. Get the public IP of VM1 “VM\_IMAGE”
3. SSH to VM1 "VM\_IMAGE" as shown below

knallusa@LIN80032595 MINGW64 /c/Data/Samy/Pers/MyBuz/Trainer/Matrials/Azure

$ ssh admin11@20.68.200.64

The authenticity of host '20.68.200.64 (20.68.200.64)' can't be established.

ED25519 key fingerprint is SHA256:jLYOfJnltcBNYLjWqHCsiV4bfURcwIcnwrCQ7q4Y+bw.

This key is not known by any other names

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added '20.68.200.64' (ED25519) to the list of known hosts.

admin11@20.68.200.64's password:

Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 5.4.0-1089-azure x86\_64)

1. And then run below scripts to **install Apache web server**

# INSTALLING APACHE

sudo apt-get update -y

sudo apt-get upgrade -y

sudo apt-get install apache2 -y

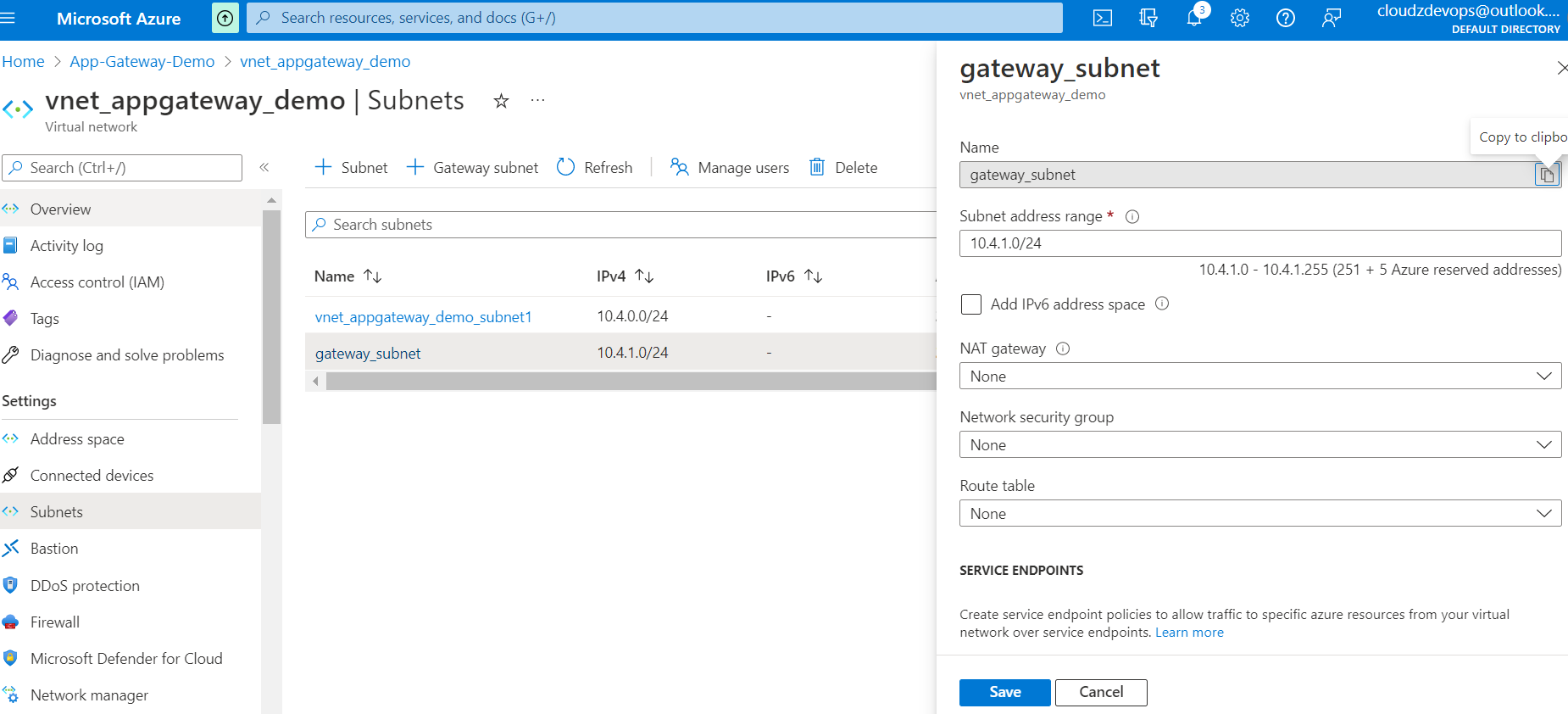
sudo chmod -R 777 /var/www/html # This need to run if you get error while running below cmd -

echo "See all of your Images here" > /var/www/html/index.html

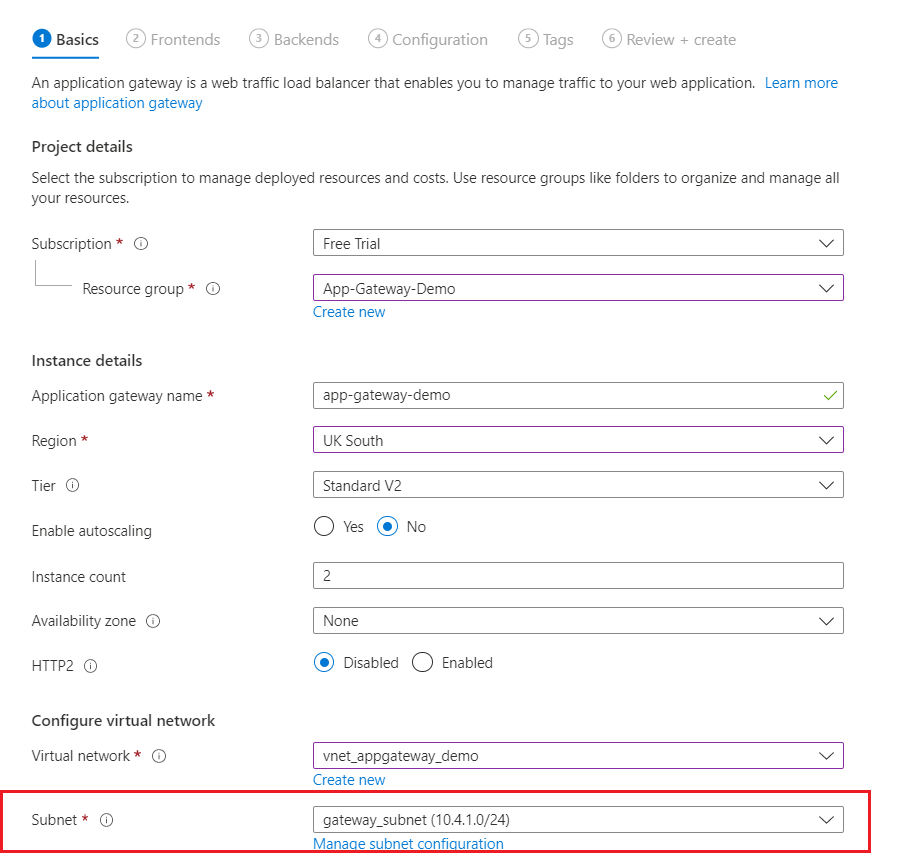
mkdir /var/www/html/videos

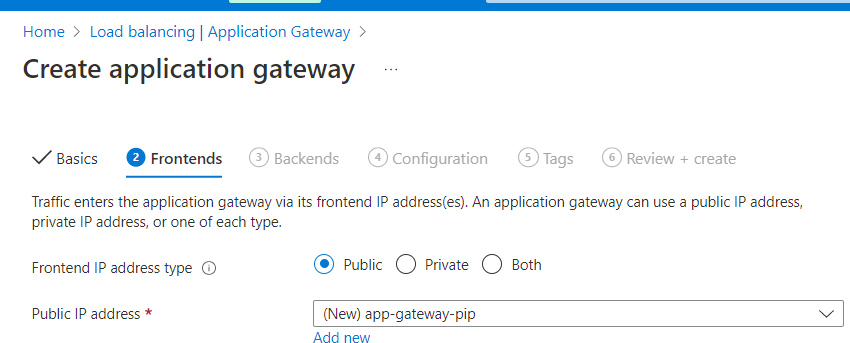
mv /var/www/html/index.html /var/www/html/videos/index.html

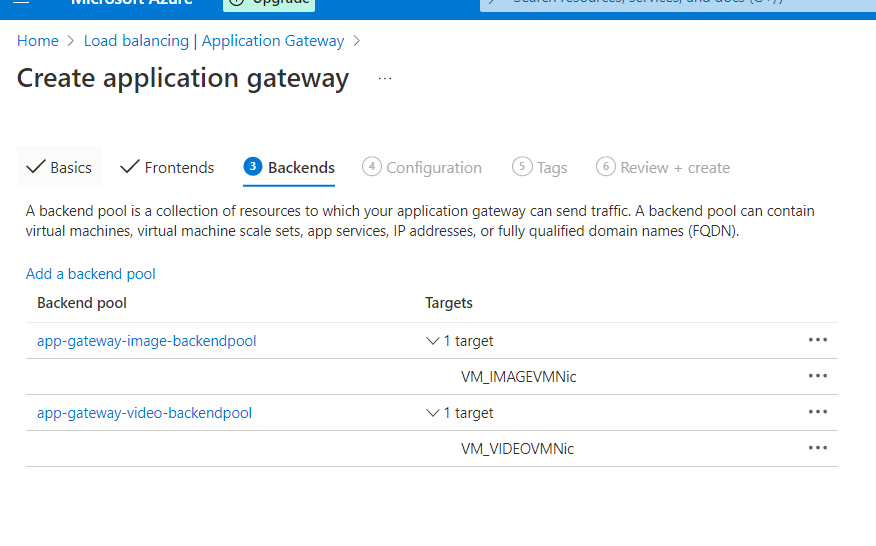
1. Get the public IP of VM2 “VM\_VIDEO” and repeat above step # 3 and 4.
2. Create a new subnet “gateway\_subnet” with CIDR range 10.4.1.0/24. You must create a new separate subnet on which only you will have to create application gateway.

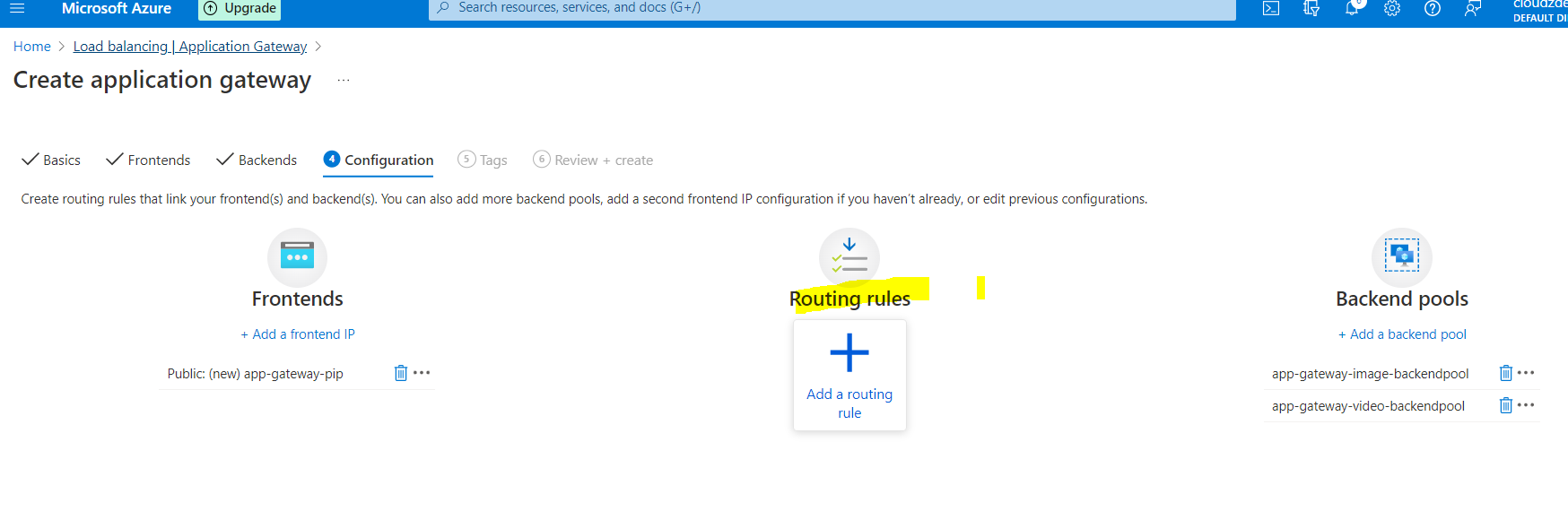


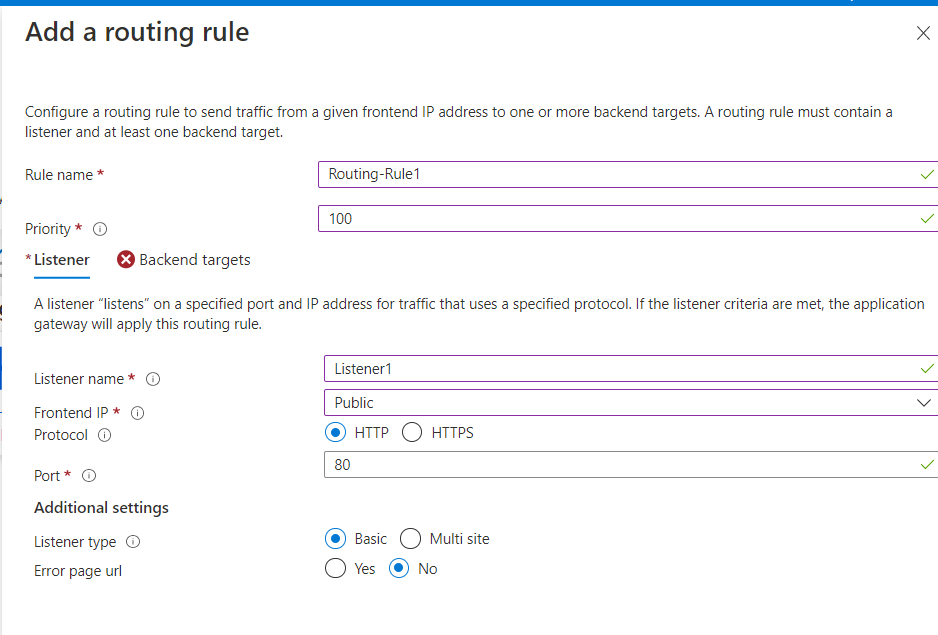
1. Create an “Application Gateway” as shown below

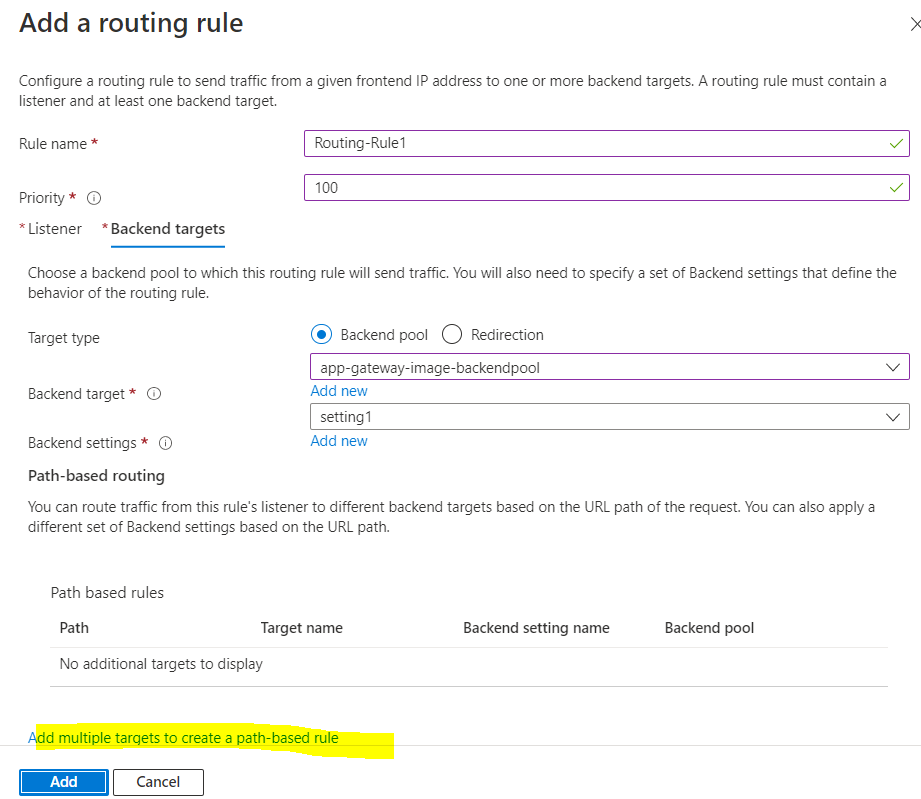
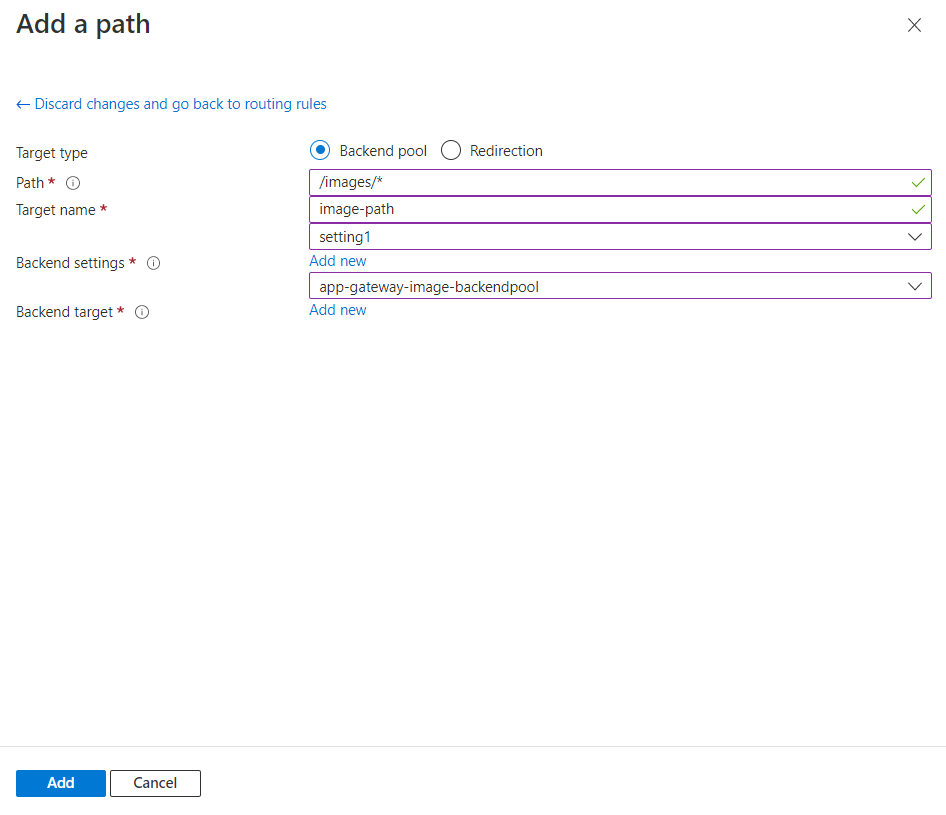


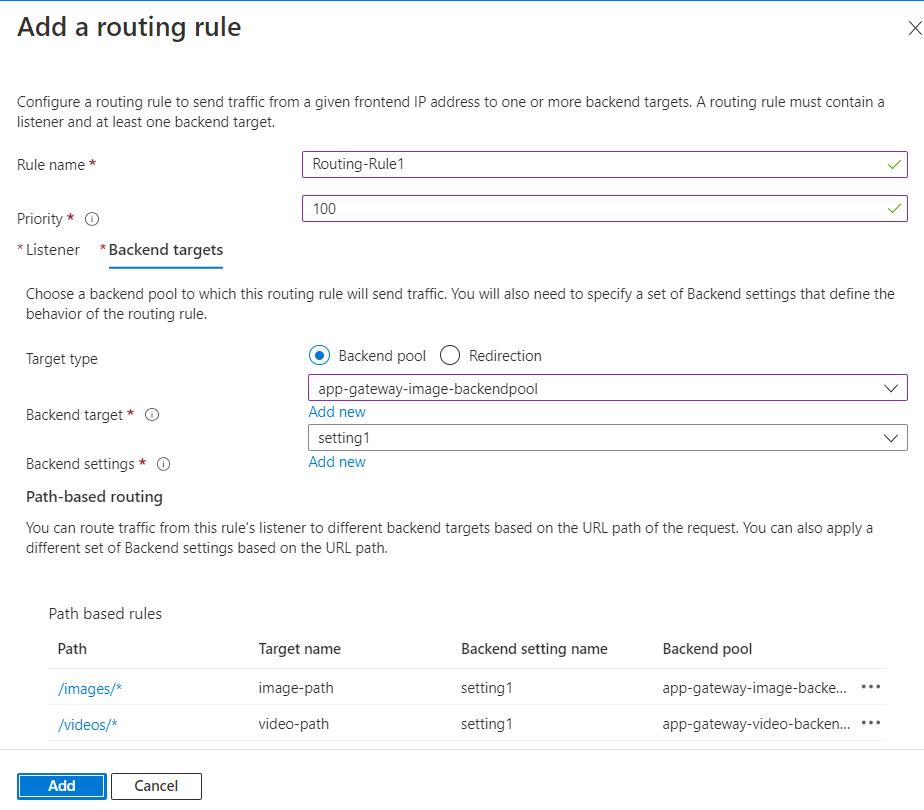




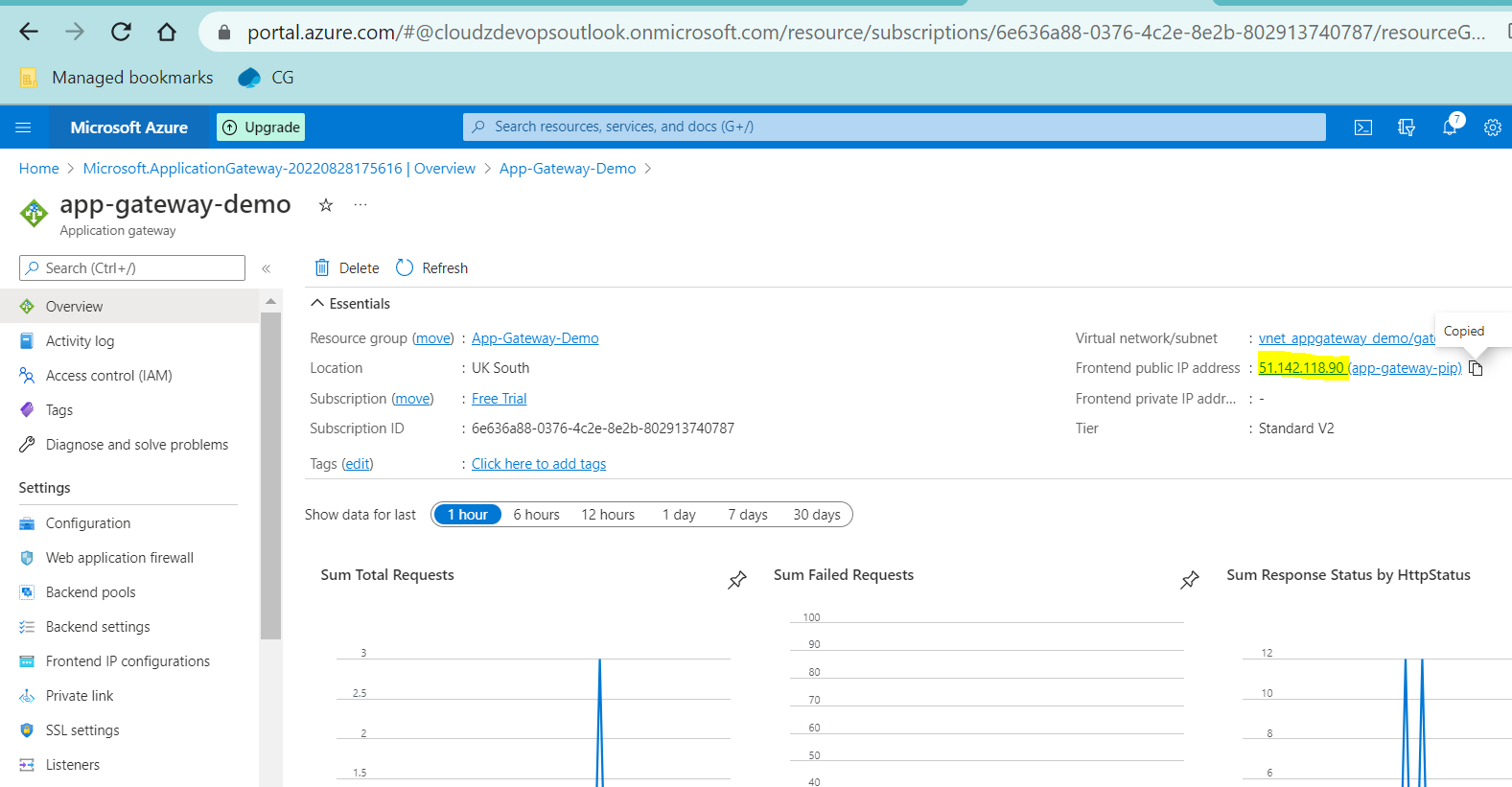






1. Get Frontend Public IP of Application Gateway



1. Access it with image and video path used URLs.

