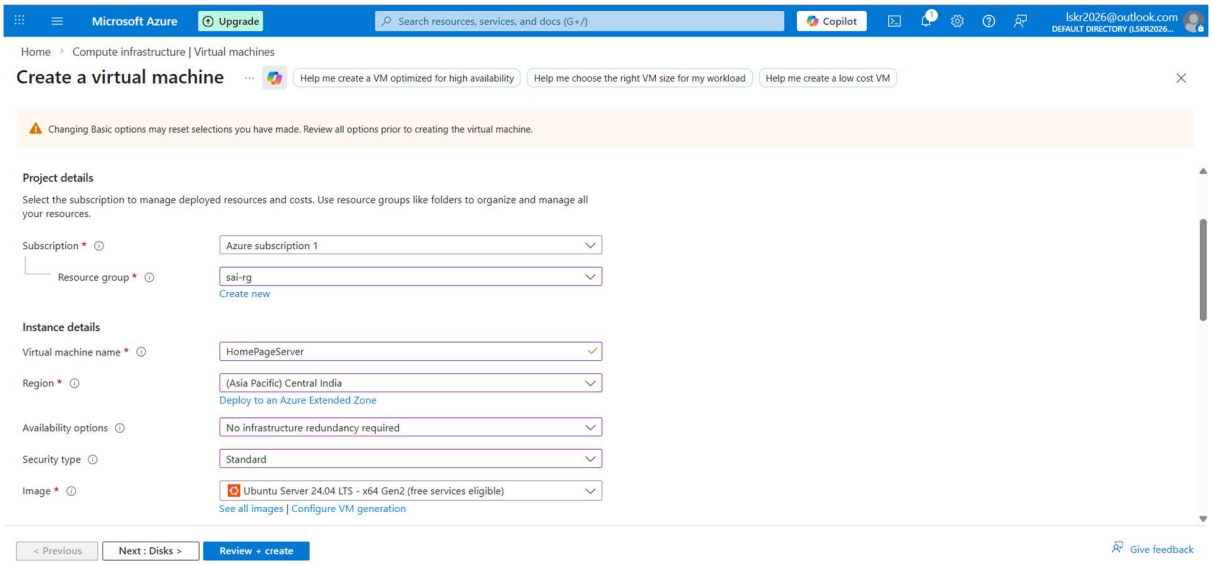
Application Gateway

→It is mainly works on url / path based routing

→Application gateway mainly we use for routing the traffic to the web pages that pages maintained in the different servers.

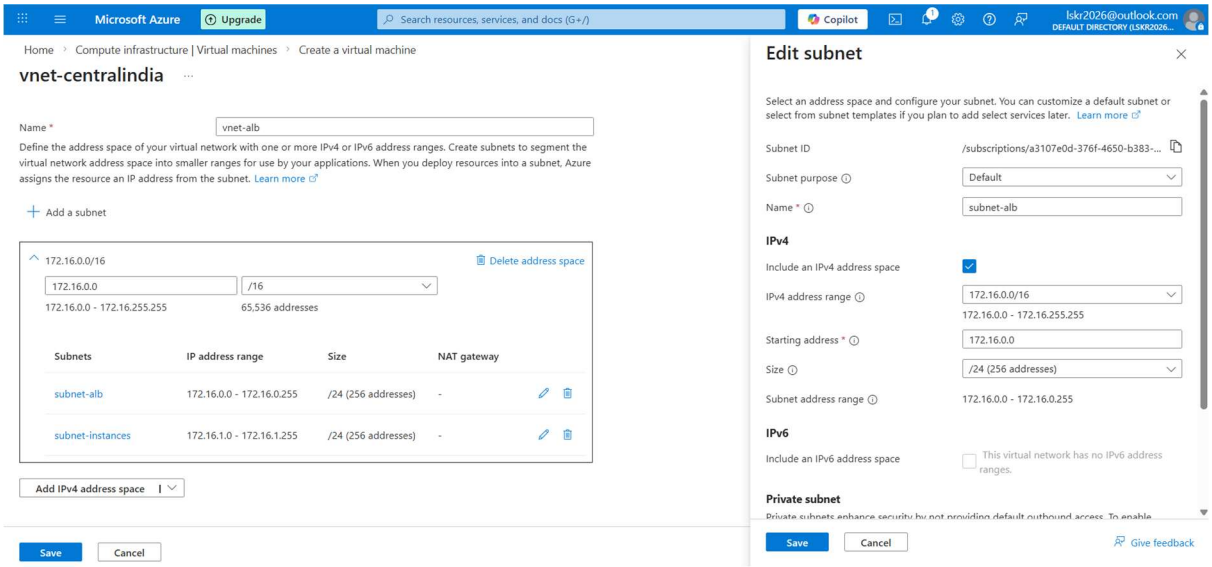
→Creating a virtual machine for Home page



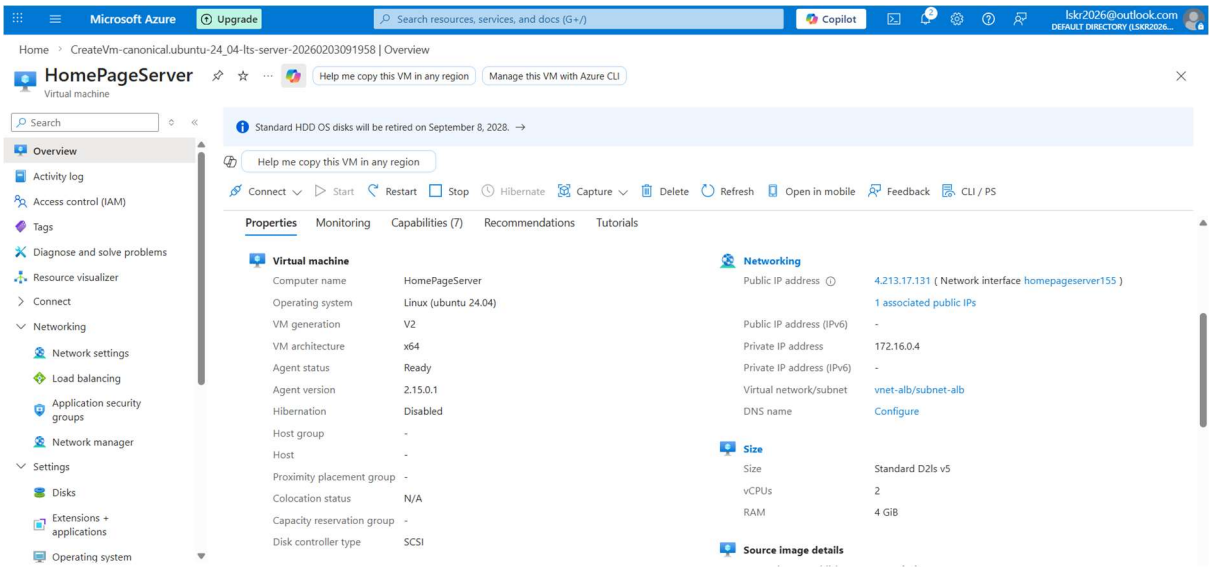
→Creating and selecting Vnet and subnet for the instance.

→Here we created two subnets one is for maintaining Vm's.

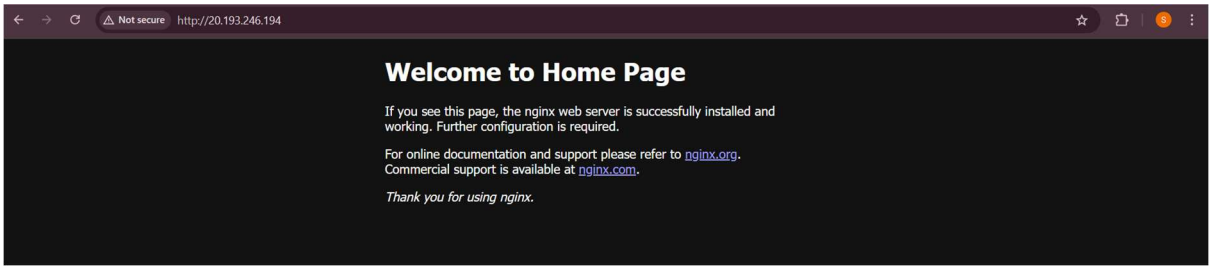
→We dedicate one subnet for the Application gateway.



→Home page server is created and installed nginx on the home page server.



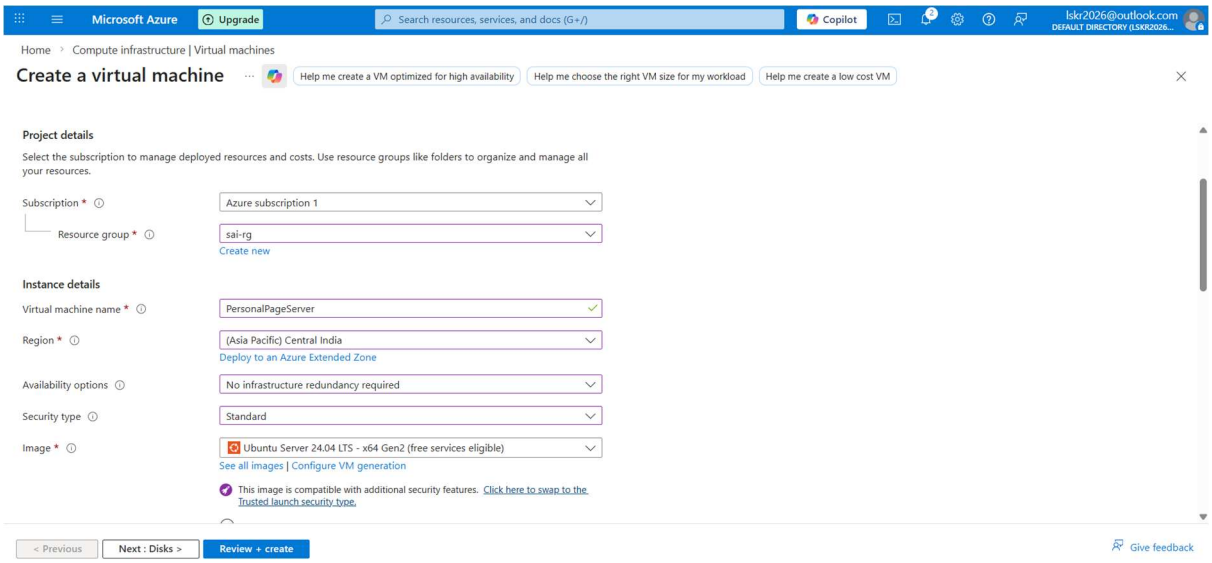
→Installed nginx and browse with public ip.



→Creating a second Virtual machine for personal page.

→And assign this vm to the same vnet and with the same subnet.

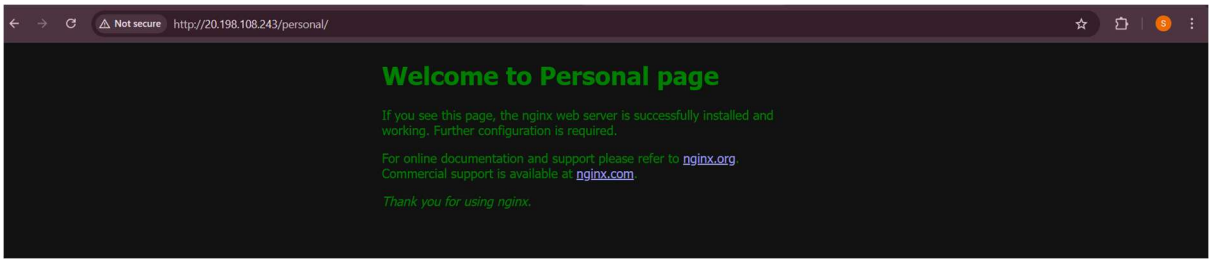
→Extra subnet is for the application gateway.



→Installed nginx for second Vm and change the default path.

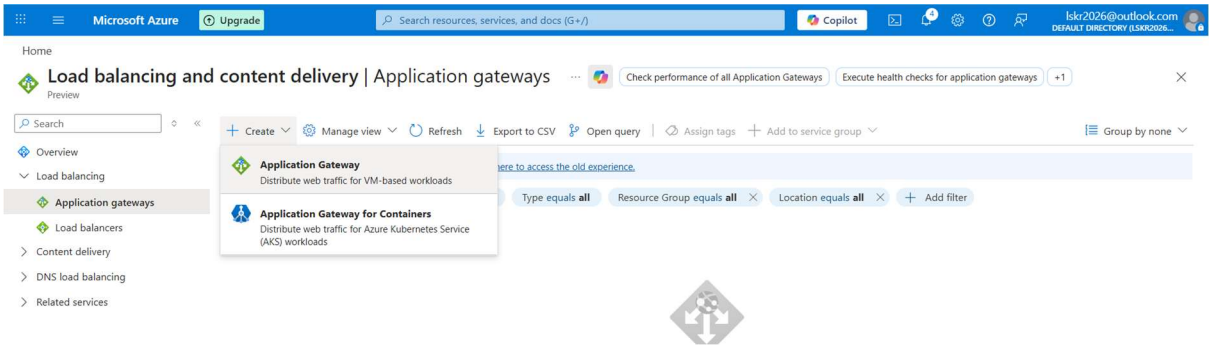
→/var/www/html → /var/www/html/personal

→Changing the text to knowing it is personal page



→Search for the application gateway in the search bar.

→Select Application Gateway and click on create.

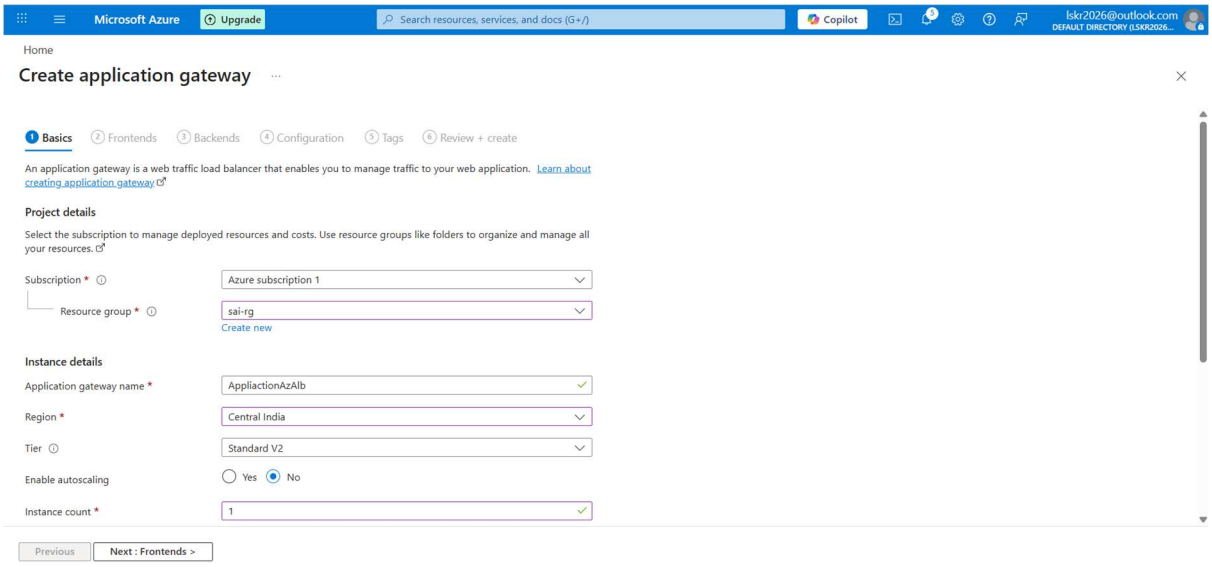


→Adding basic details for the application gateway.

→Selecting Resource group and add name for the application gateaway.

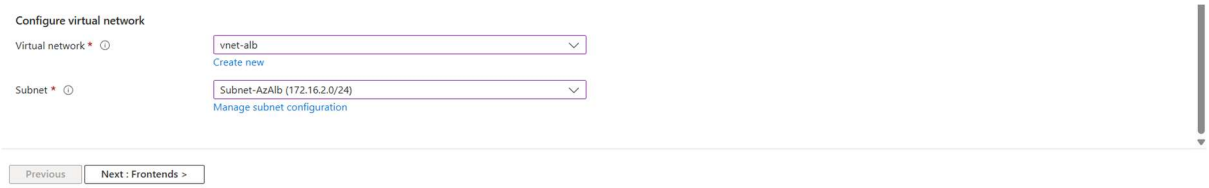
→Select region where our Vm's created.

→Here I can't enable autoscaling.



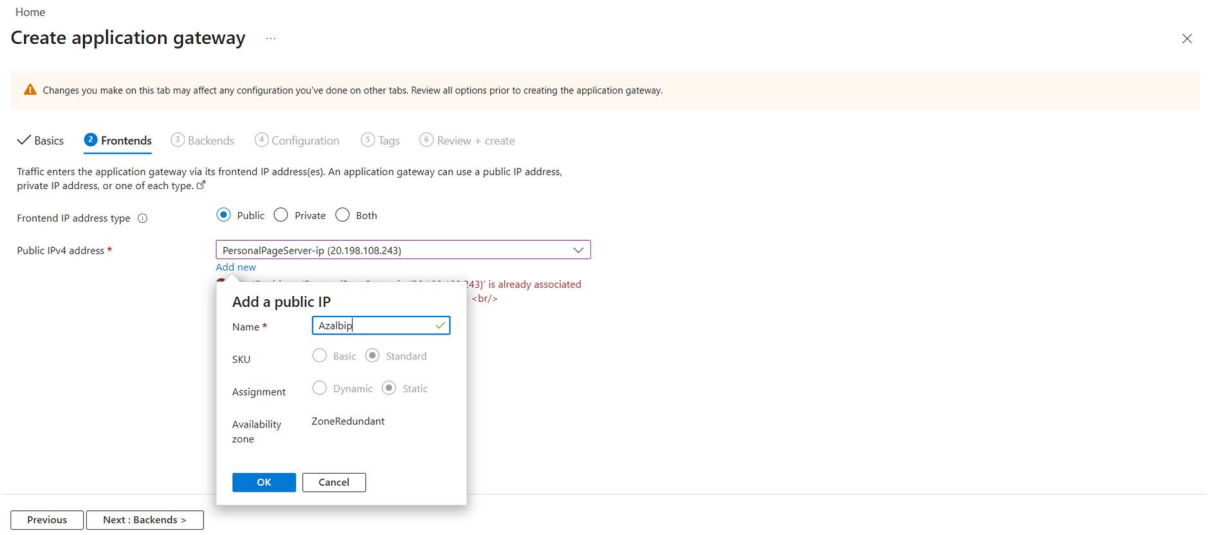
→Selecting Virtual network.

→And Select the dedicated subnet to the Application Gateway.



→Next in the Frontend Ip's We add the new public ip to access the azalb.

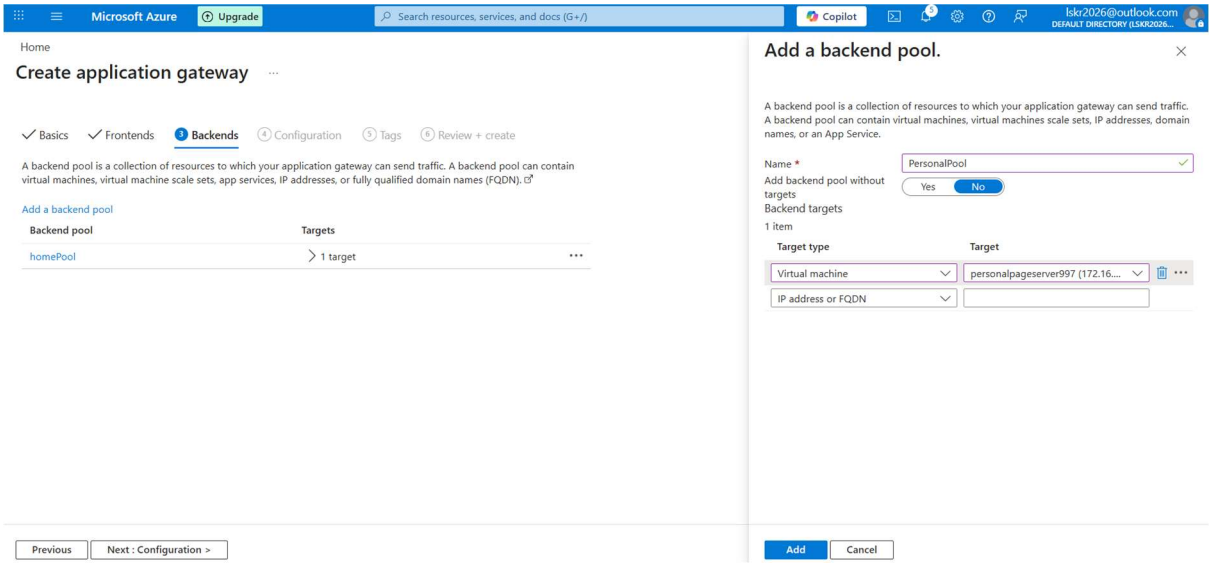
→Free subscription can only assign 3 public ip's for a region. Make sure we can maintain it.



→Adding backend pool for the application gateway.

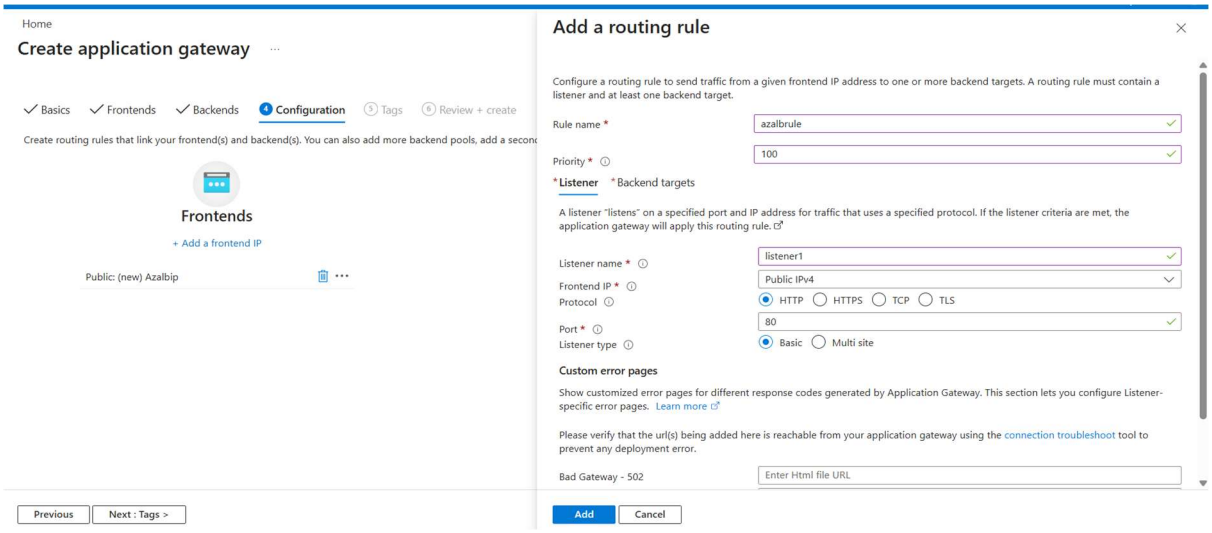
→Here the home pool contains one vm.

→Personal pool contains another vm.

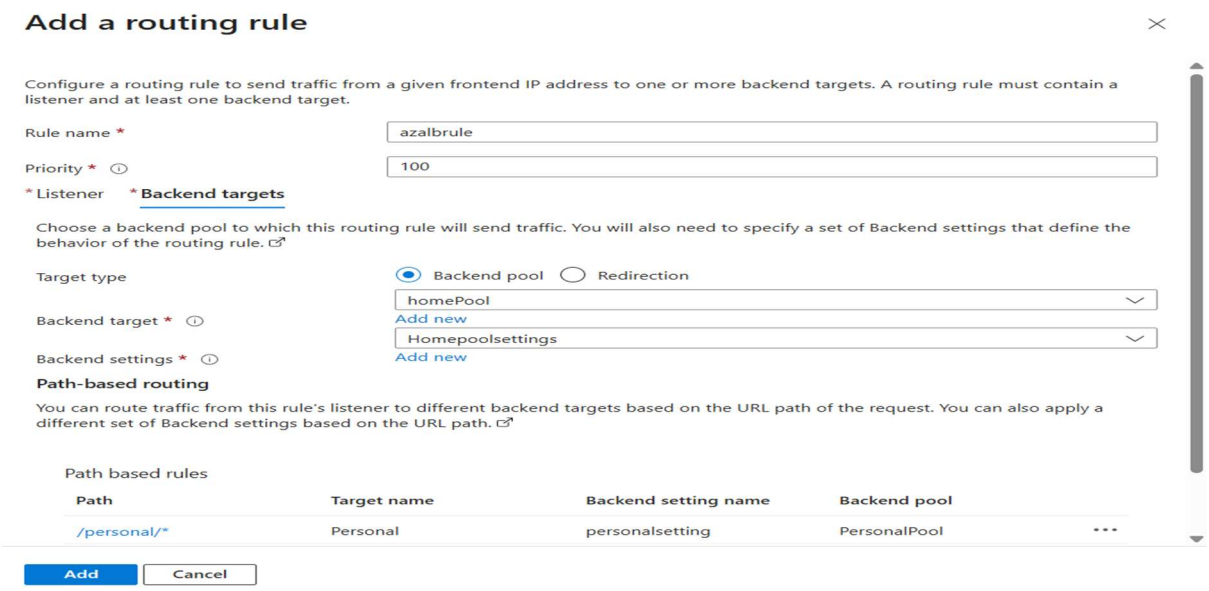


→Here adding the routing rule.

→In our case we use http and the port 80

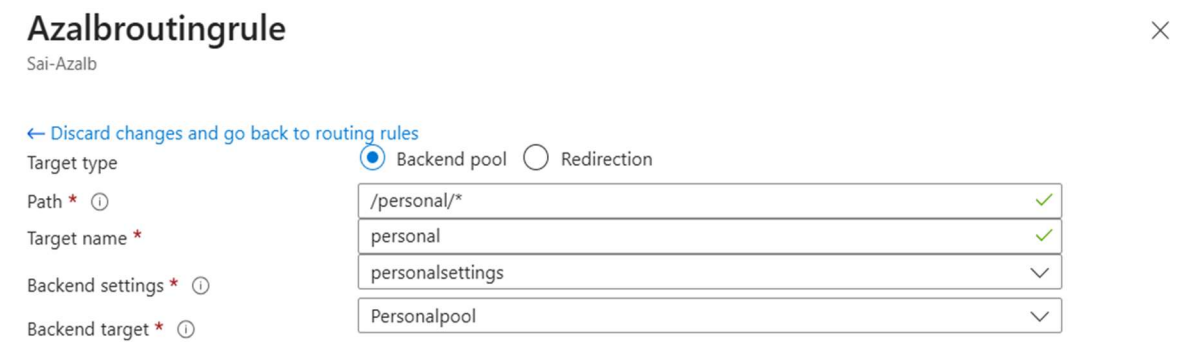


→In the backend targets we add home pool and home settings for default path.

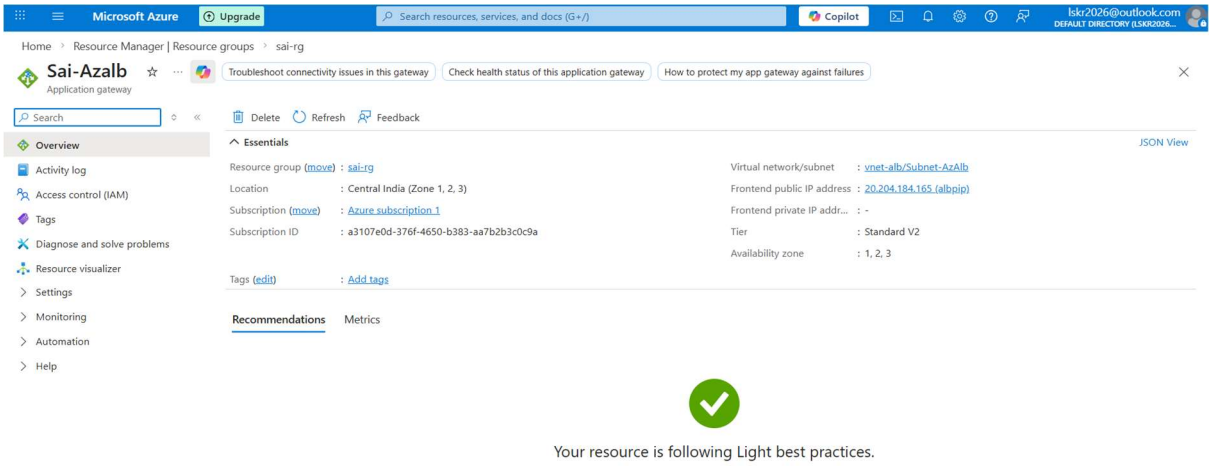


→Click on the Add multiple targets to create a path based rule

→Add the path and target name and backend settings and backend target.

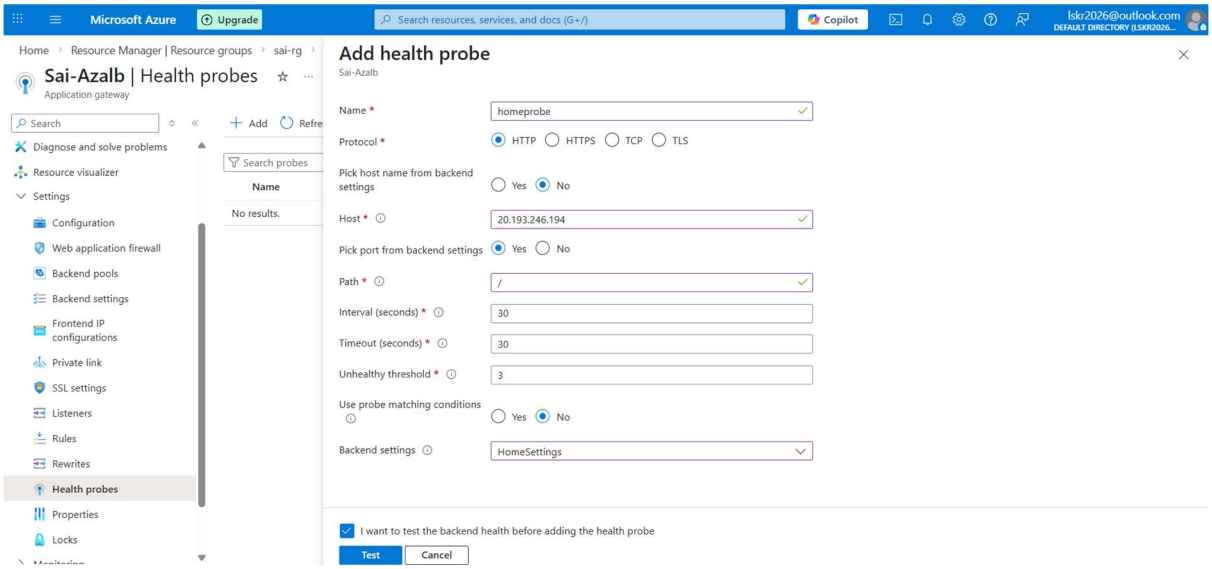


→Finally review and click on create the Application gateway looks like.

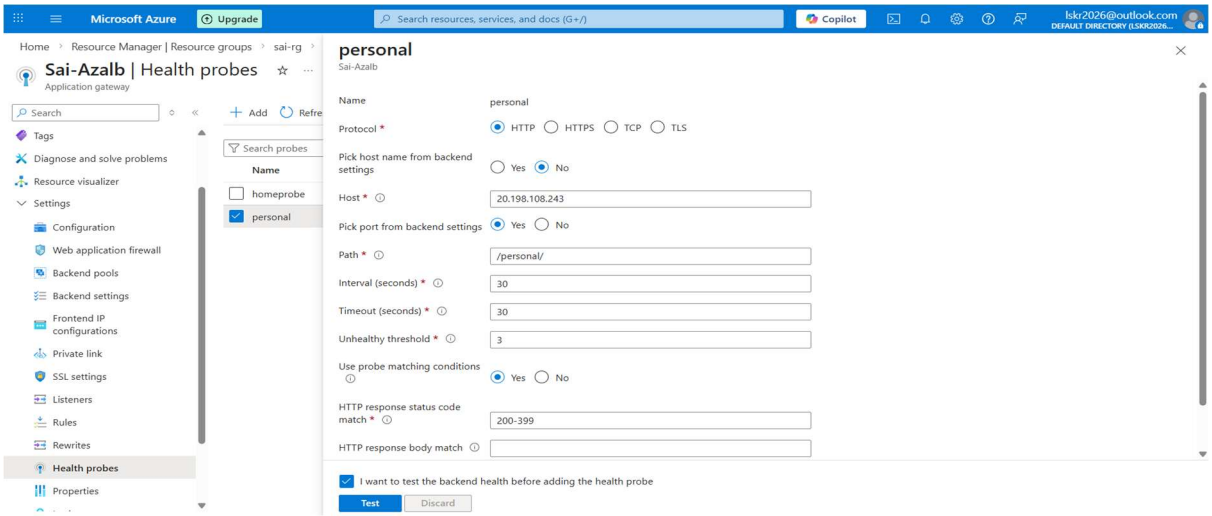


→Add health probes for both.

→home probe for the firstVm



→Personal health probe here we can set the path to the personal page.

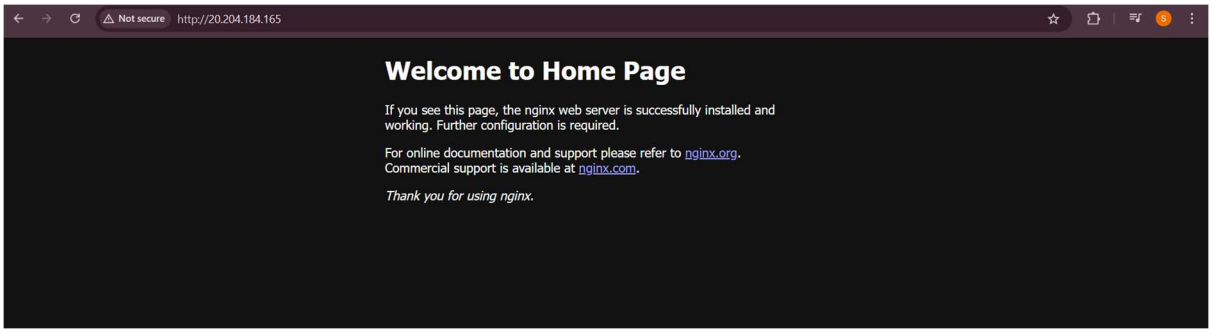


→Take the public ip address of the application gateway and search in the browser.

→In the default path home page we see.

→In the /personal path we see personal page.

→This is the home page for the application gateway.



→This is the personal page in the application gateway.