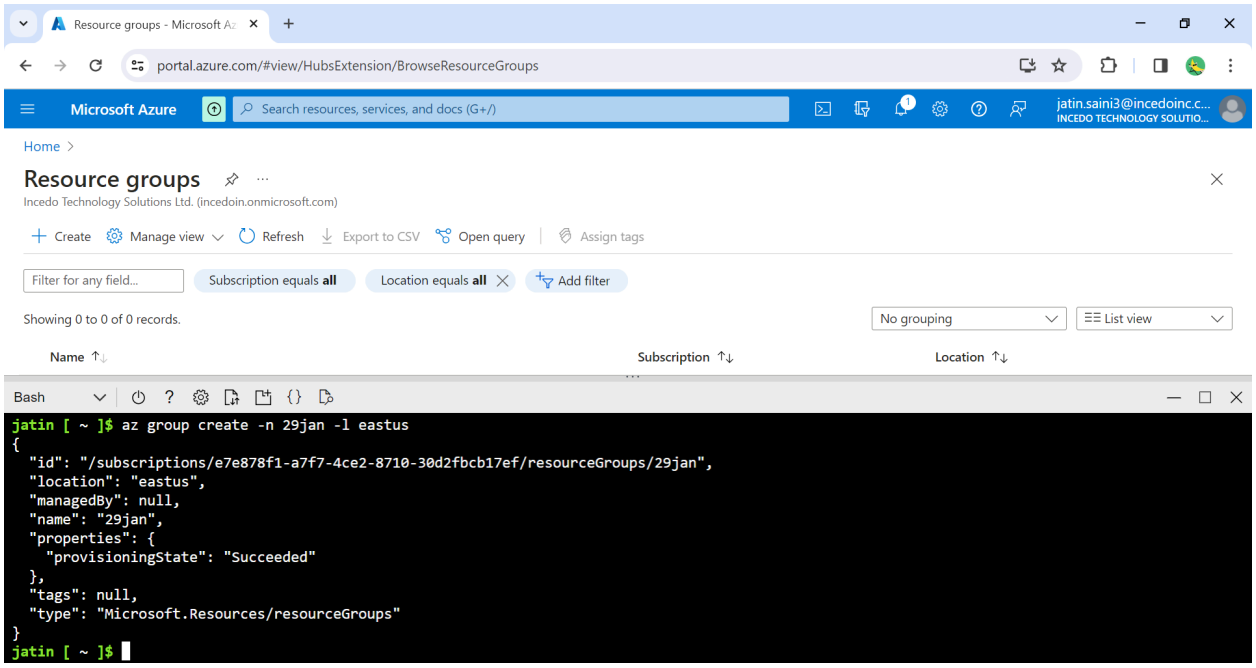
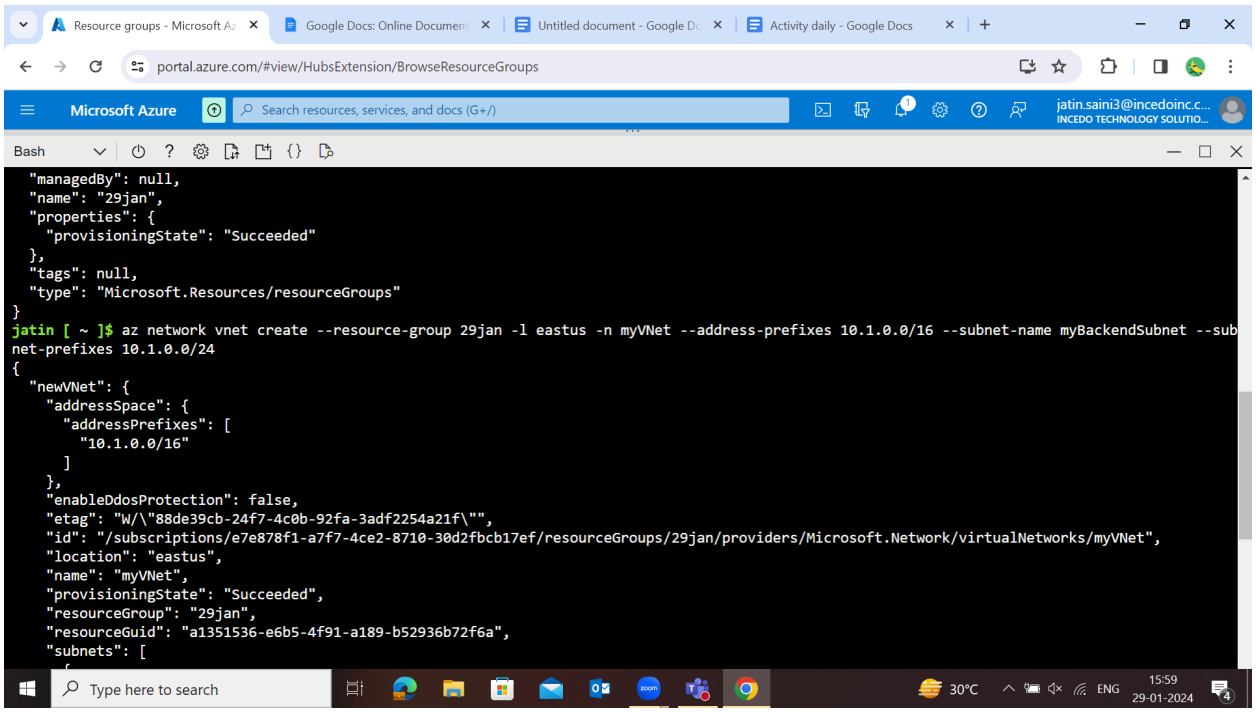
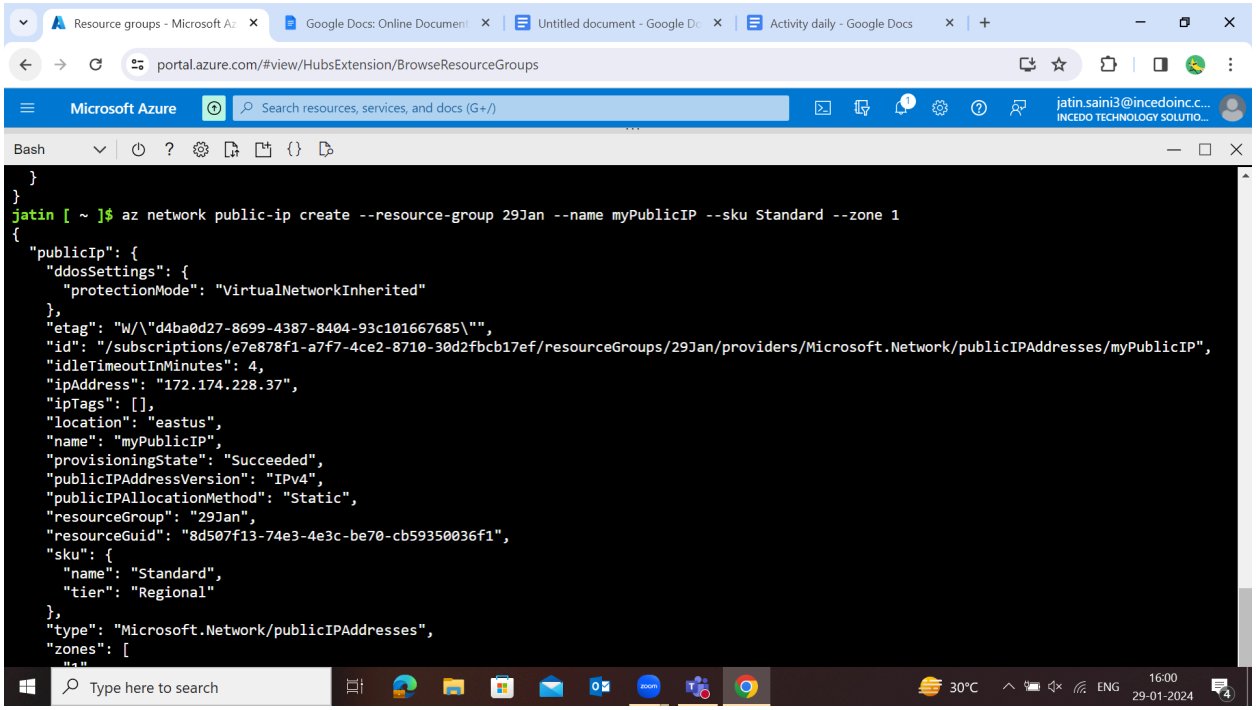
29th January
Studying Subnets

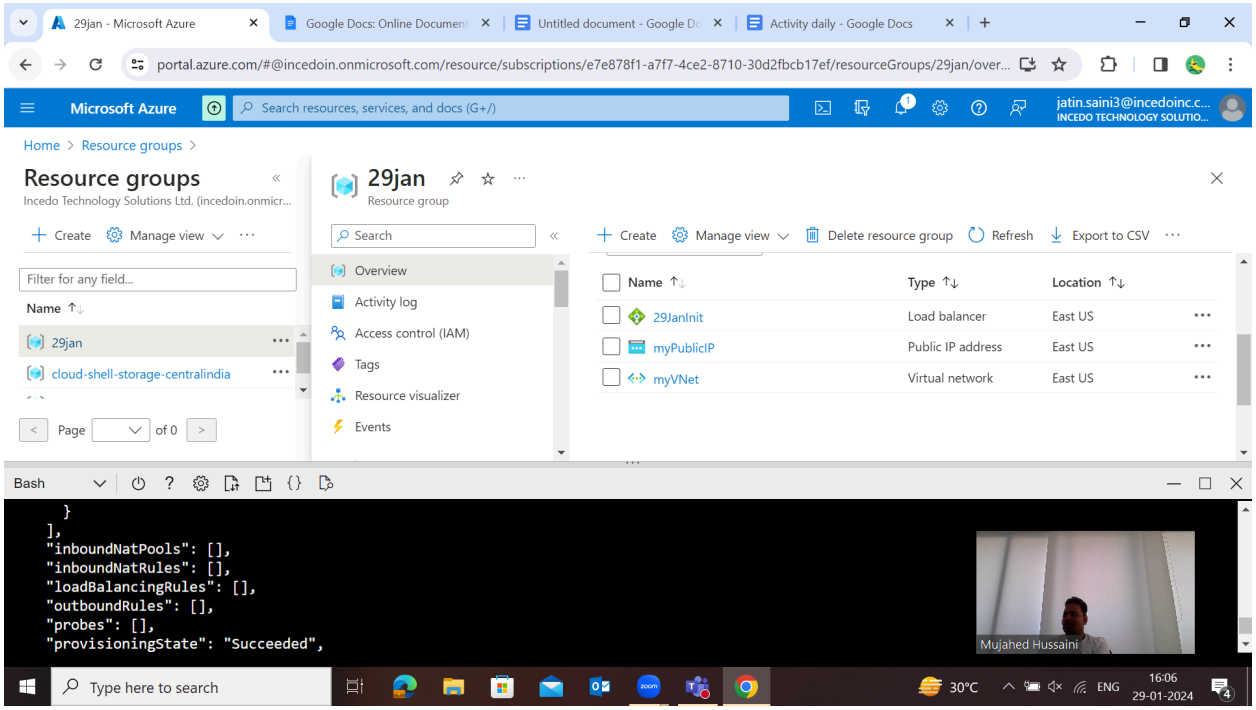


```
az network vnet create \
        --resource-group CreatePubLBQS-rg \
        --location eastus \
        --name myVNet \
        --address-prefixes 10.1.0.0/16 \
        --subnet-name myBackendSubnet \
        --subnet-prefixes 10.1.0.0/24
```

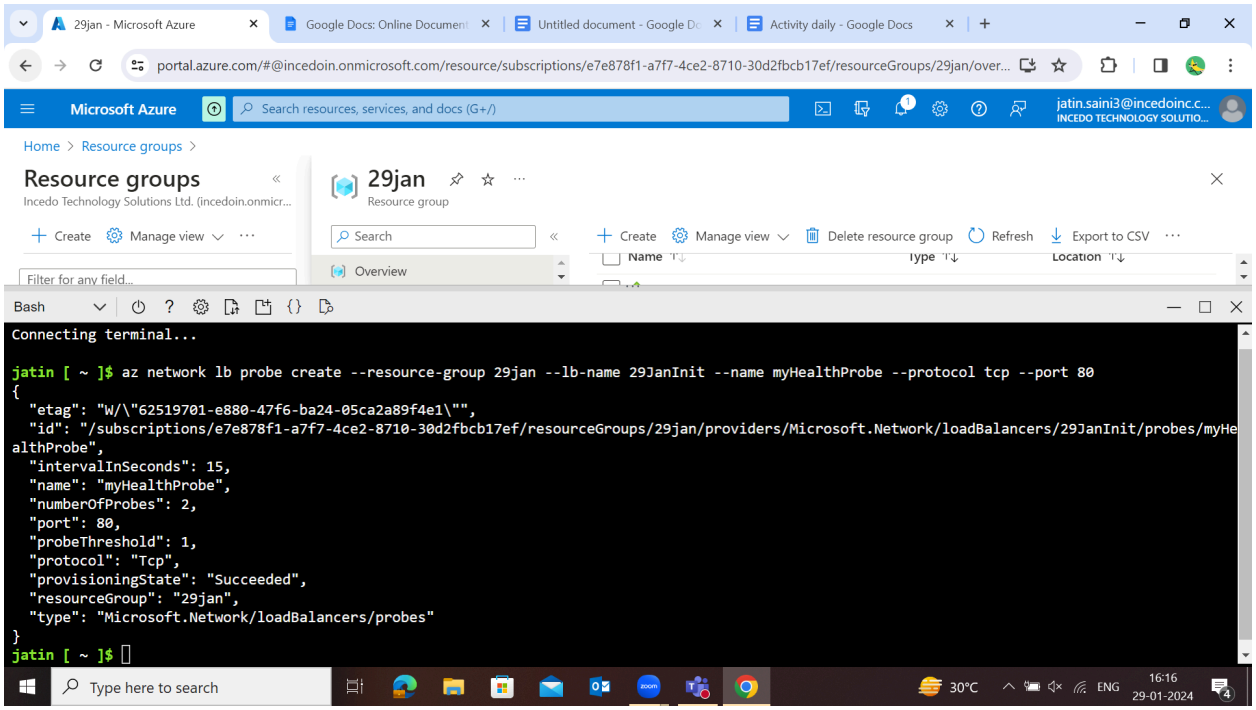


az network public-ip create --resource-group CreatePubLBQS-rg --name myPublicIP --sku Standard --zone 1





Health Probe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Name
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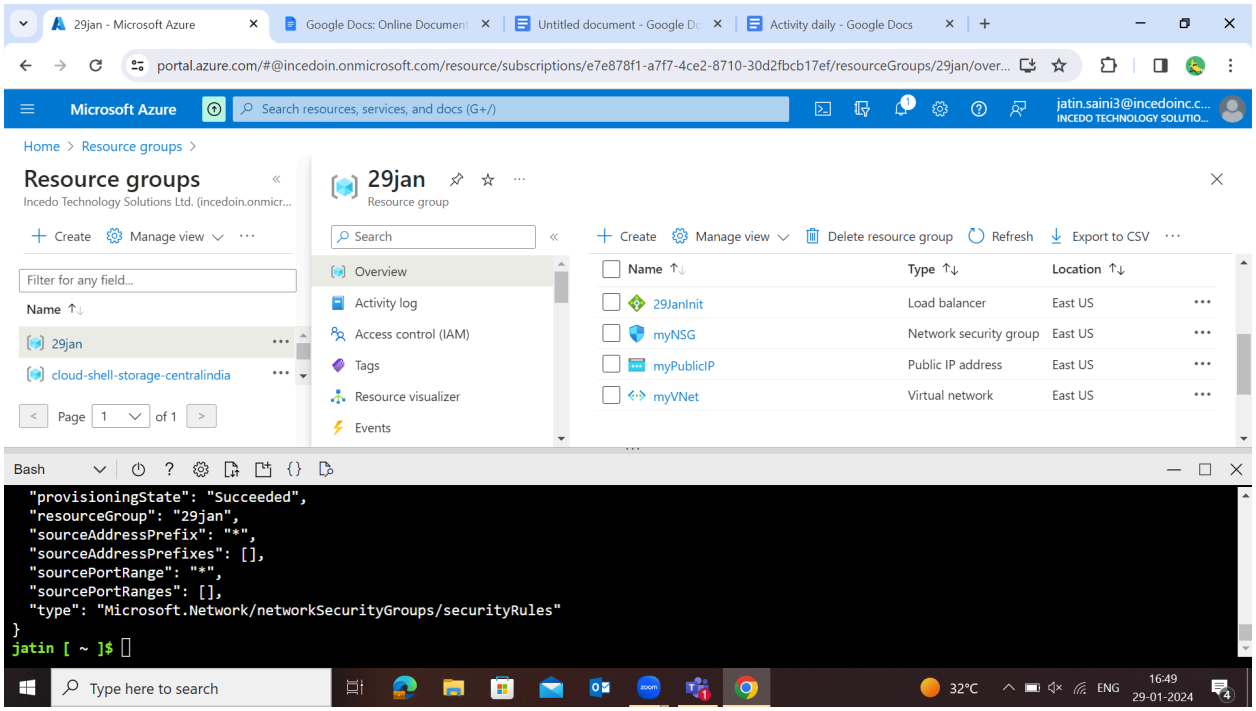
Location
Bash
Connecting terminal...
jatin [~]$ az network lb probe create --resource-group 29jan --lb-name 29JanInit --name myHealthProbe --protocol tcp --port 80
{
"etag": "W/\"62519701-e880-47f6-ba24-05ca2a89f4e1\"",
"id": "/subscriptions/e7e878f1-a7f7-4ce2-8710-30d2fbcb17ef/resourceGroups/29jan/providers/Microsoft.Network/loadBalancers/29JanInit/probes/myHealthProbe",
"intervalInSeconds": 15,
"name": "myHealthProbe",
"numberOfProbes": 2,
"port": 80,
"probeThreshold": 1,
"protocol": "Tcp",
"provisioningState": "Succeeded",
"resourceGroup": "29jan",
"type": "Microsoft.Network/loadBalancers/probes"
}
jatin [~]$
Type here to search
30°C
ENG
16:16
29-01-2024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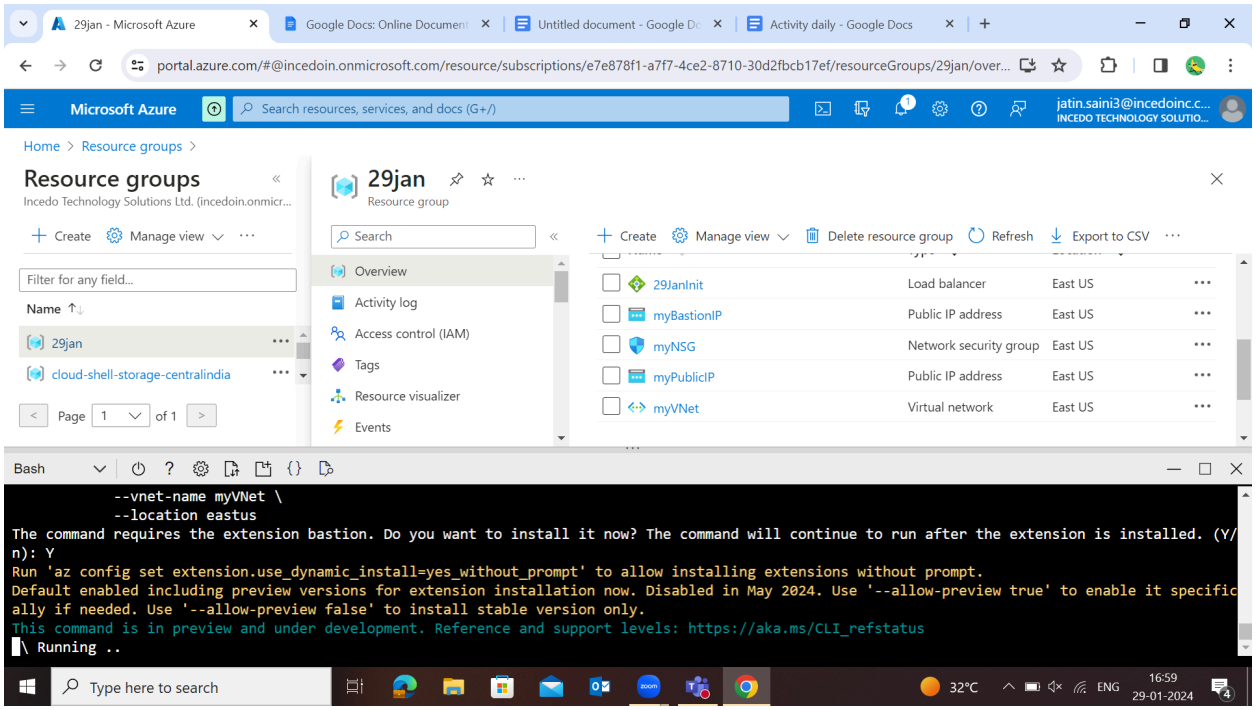
29JanInit
Load balancer
East US
myNSG
Network security group
East US
myPublicIP
Public IP address
East US
myVNet
Virtual network
East US
Bash
"provisioningState": "Succeeded",
"resourceGroup": "29jan",
"sourceAddressPrefix": "*",
"sourceAddressPrefixes": [],
"sourcePortRange": "*",
"sourcePortRanges": [],
"type": "Microsoft.Network/networkSecurityGroups/securityRules"
}
jatin [~]$
Type here to search
32°C
ENG
16:49
29-01-2024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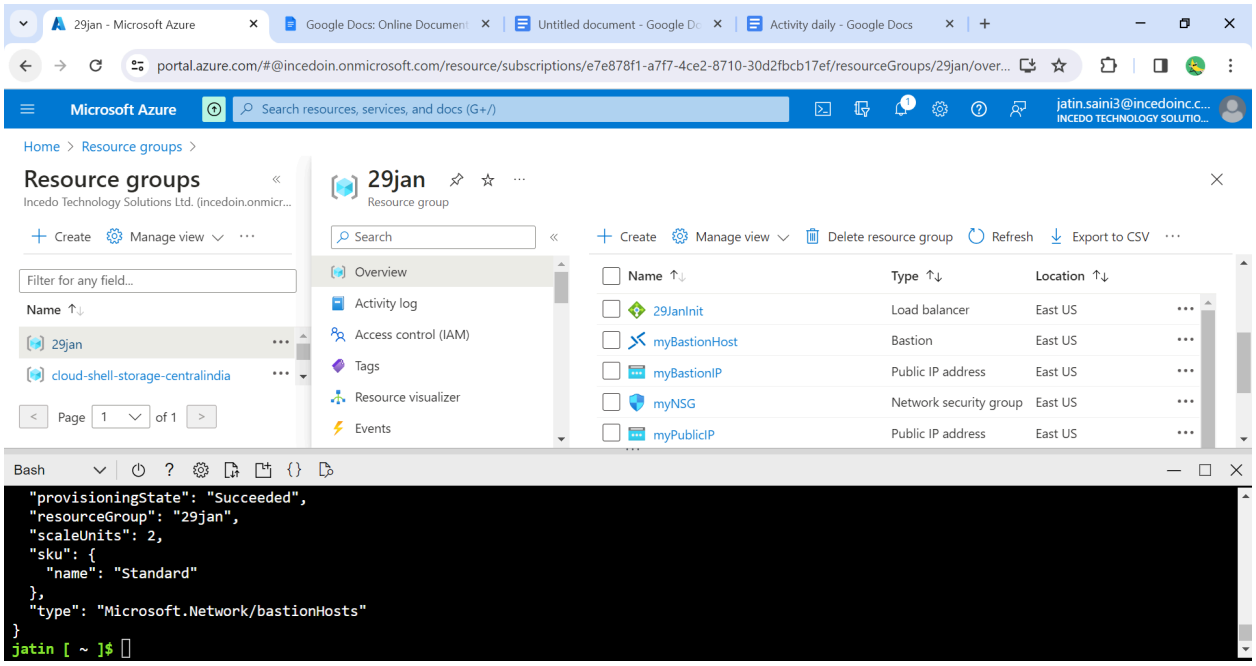
29JanInit Load balancer East US
myBastionIP Public IP address East US
myNSG Network security group East US
myPublicIP Public IP address East US
myVNet Virtual network East US
Bash
--vnet-name myVNet \
--location eastus
The command requires the extension bastion. Do you want to install it now? The command will continue to run after the extension is installed. (Y/n): Y
Run 'az config set extension.use_dynamic_install=yes_without_prompt' to allow installing extensions without prompt.
Default enabled including preview versions for extension installation now. Disabled in May 2024. Use '--allow-preview true' to enable it specifically if needed. Use '--allow-preview false' to install stable version only.
This command is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
\ Running ..
Type here to search
32°C
ENG
16:59
29-01-2024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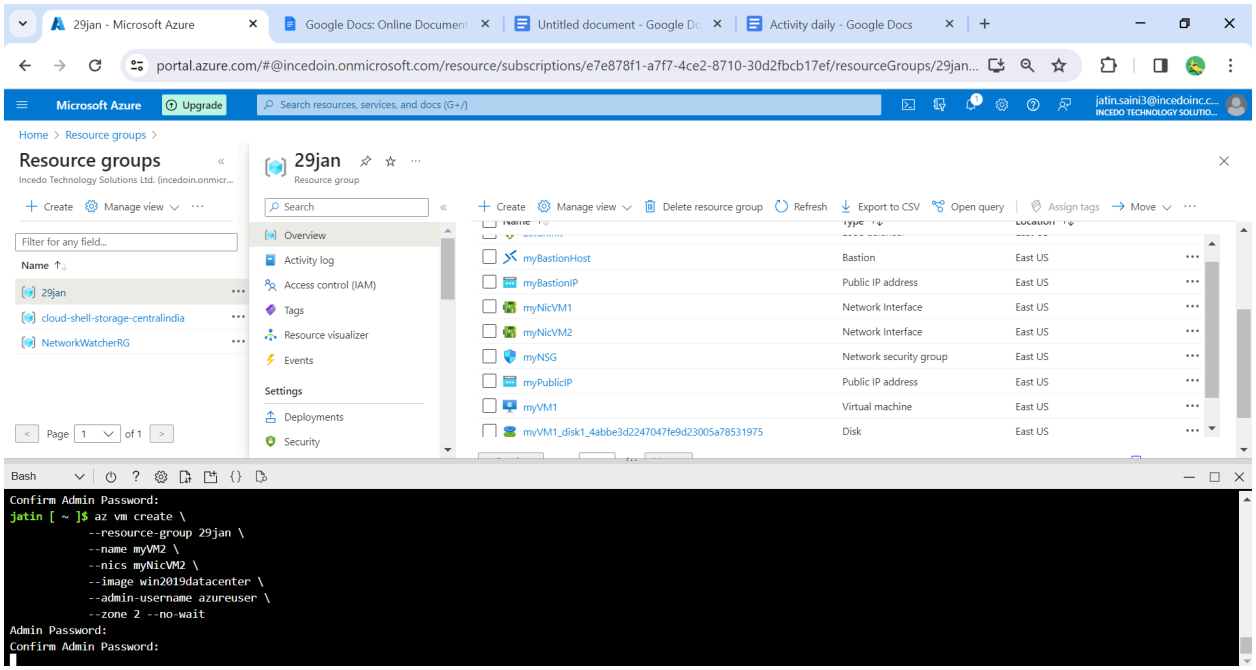
Location
29JanInit Load balancer East US
myBastionHost Bastion East US
myBastionIP Public IP address East US
myNSG Network security group East US
myPublicIP Public IP address East US
Bash
"provisioningState": "Succeeded",
"resourceGroup": "29jan",
"scaleUnits": 2,
"sku": {
"name": "Standard"
},
"type": "Microsoft.Network/bastionHosts"
}
jatin [~]$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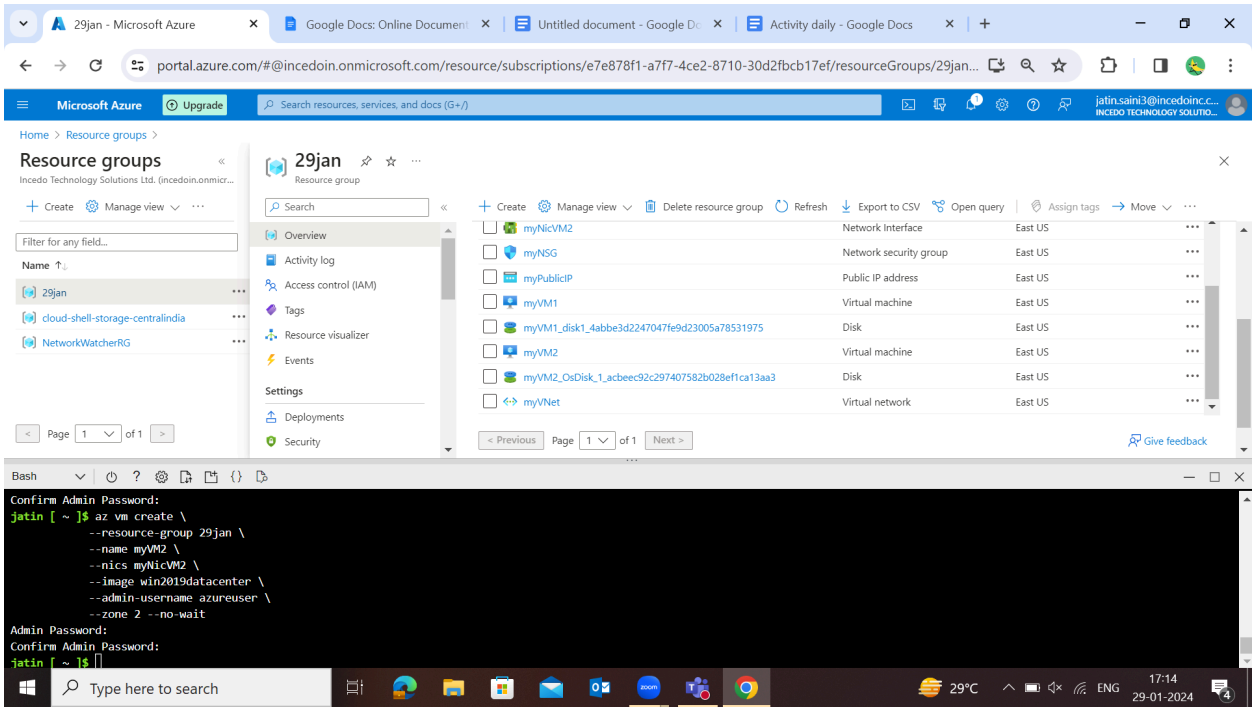
myBastionHost Bastion East US
myBastionIP Public IP address East US
myNicVM1 Network Interface East US
myNicVM2 Network Interface East US
myNSG Network security group East US
myPublicIP Public IP address East US
myVM1 Virtual machine East US
myVM1_disk1_4abbe3d2247047fe9d23005a78531975 Disk East US
Bash
Confirm Admin Password:
jatin [~]$ az vm create \
--resource-group 29jan \
--name myVM2 \
--nics myNicVM2 \
--image win2019datacenter \
--admin-username azureuser \
--zone 2 --no-wait
Admin Password:
Confirm Admin Password: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Open query
Assign tags
Move
myNicVM2 Network Interface East US
myNSG Network security group East US
myPublicIP Public IP address East US
myVM1 Virtual machine East US
myVM1_disk1_4abbe3d2247047fe9d23005a78531975 Disk East US
myVM2 Virtual machine East US
myVM2_OsDisk_1_acbeec92c297407582b028ef1ca13aa3 Disk East US
myVNet Virtual network East US
< Previous
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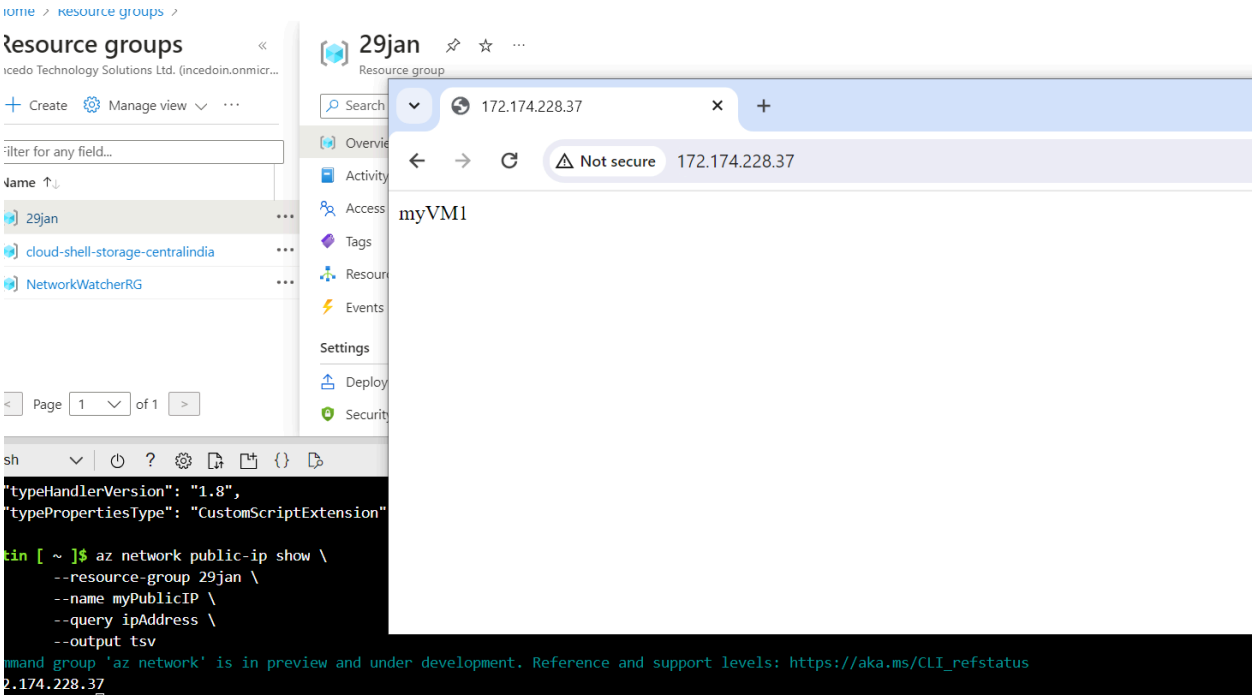
Next >
Give feedback
Bash
Confirm Admin Password:
jatin [~]$ az vm create \
--resource-group 29jan \
--name myVM2 \
--nics myNicVM2 \
--image win2019datacenter \
--admin-username azureuser \
--zone 2 --no-wait
Admin Password:
Confirm Admin Password:
jatin [~]$
Type here to search
29°C
ENG
17:14
29-01-2024

```
Bash
}
jatin [ ~ ]$ az network public-ip create \
             --resource-group 29jan \
             --name myNATgatewayIP \
             --sku Standard \
             --zone 1 2 3
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
{
  "publicIp": {
    "ddosSettings": {
```

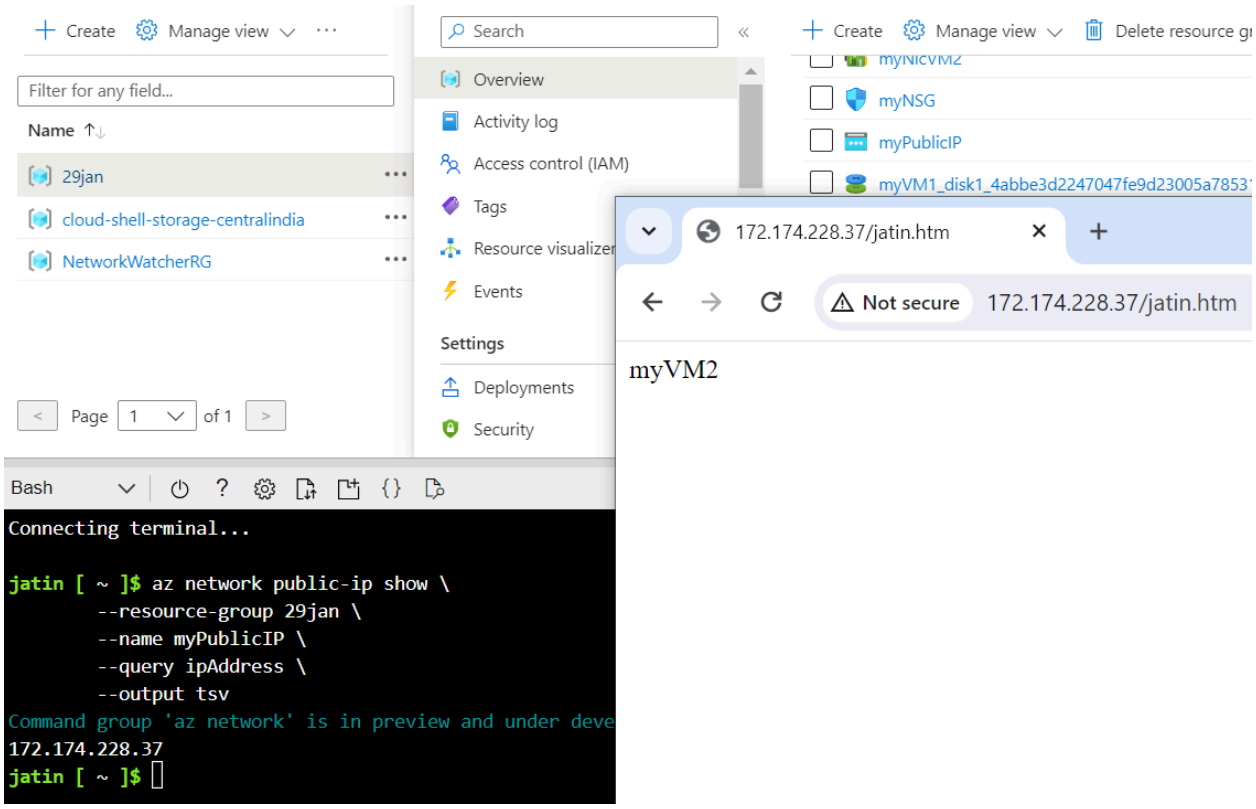
```
jatin [ ~ ]$ az network vnet subnet update \
        --resource-group 29jan \
        --vnet-name myVNet \
        --name myBackendSubnet \
        --nat-gateway myNATgateway
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
{
```

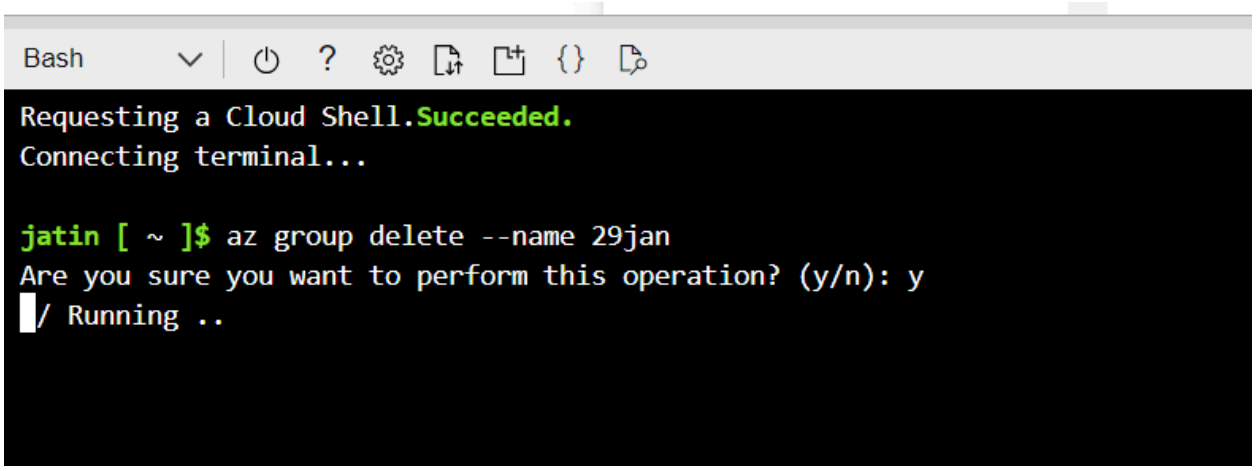
```
jatin [ ~ ]$ array=(myVM1 myVM2)
   for vm in "${array[@]}"
   do
      az vm extension set \
         --publisher Microsoft.Compute \
         --version 1.8 --name CustomScriptExtension \
         --vm-name $vm --resource-group 29jan \
         --settings '{"commandToExecute":"powershell Add-WindowsFeature Web-Server; powershell Add-Content -Path \"C:\\inetpub\\wwwroot\\jatin.htm\" -Value $($env:computername)"}'
   done
\ Running ..
```

```
  "typeHandlerVersion": "1.8",
  "typePropertiesType": "CustomScriptExtension"
}
jatin [ ~ ]$ az network public-ip show \
        --resource-group 29jan \
        --name myPublicIP \
        --query ipAddress \
        --output tsv
Command group 'az network' is in preview and under development. Reference and support levels: https://aka.ms/CLI_refstatus
172.174.228.37
https://portal.azure.com/#@jncedoip.onmicrosoft.com/resource/subscriptio...
```



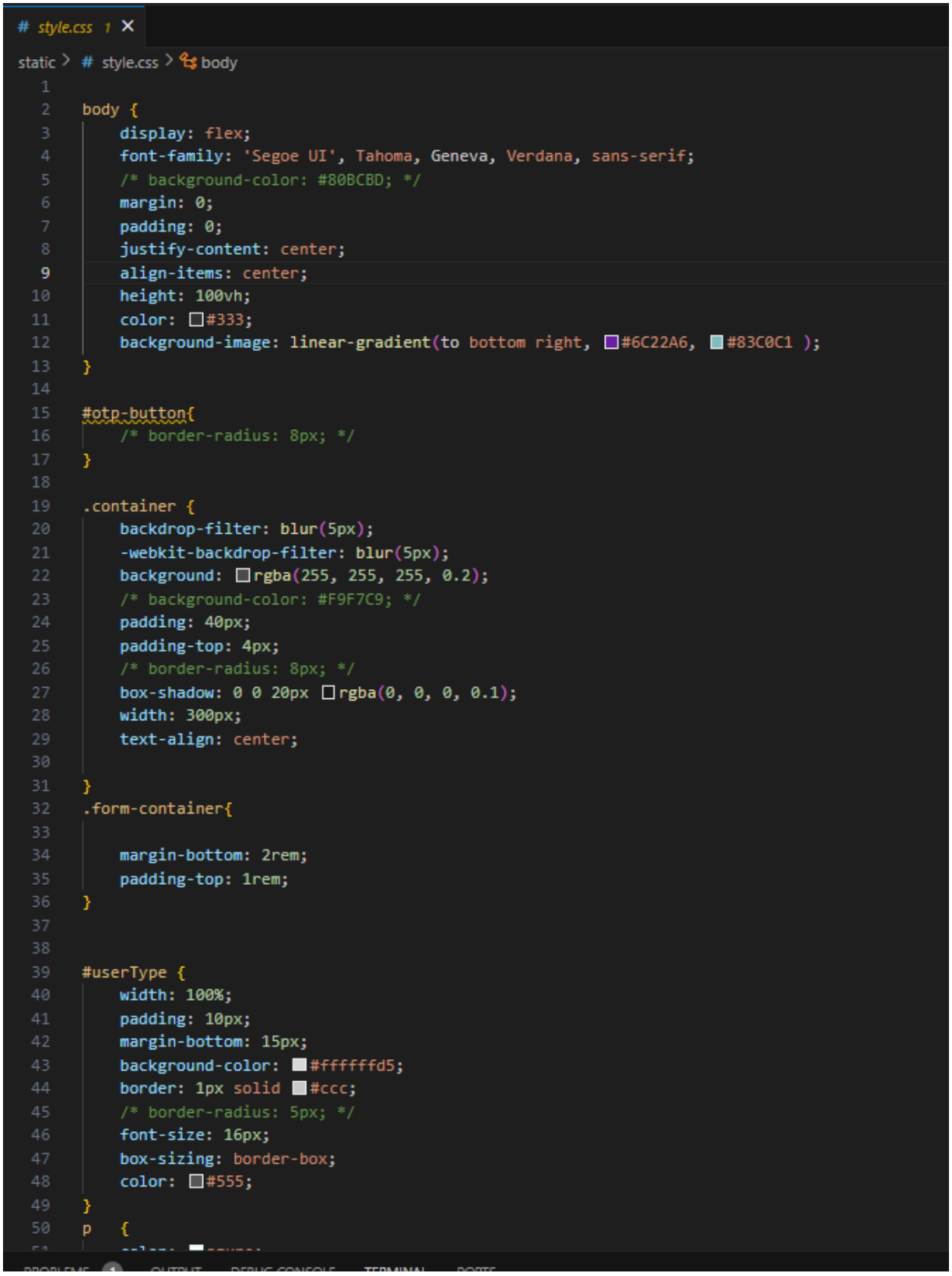
After deleting VM1




Bash
Requesting a Cloud Shell.Succeeded.
Connecting terminal...
jatin [~]$ az group delete --name 29jan
Are you sure you want to perform this operation? (y/n): y
/ Running ..

P.T.O.

B. Updated the CSS of the Home page and formatting the remaining code files



style.css 1

static > style.css > body

```css
body {
    display: flex;
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    /* background-color: #80BCBD; */
    margin: 0;
    padding: 0;
    justify-content: center;
    align-items: center;
    height: 100vh;
    color: #333;
    background-image: linear-gradient(to bottom right, #6C22A6, #83C0C1 );
}

#otp-button{
    /* border-radius: 8px; */
}

.container {
    backdrop-filter: blur(5px);
    -webkit-backdrop-filter: blur(5px);
    background: rgba(255, 255, 255, 0.2);
    /* background-color: #F9F7C9; */
    padding: 40px;
    padding-top: 4px;
    /* border-radius: 8px; */
    box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);
    width: 300px;
    text-align: center;

}
.form-container{

    margin-bottom: 2rem;
    padding-top: 1rem;
}


#userType {
    width: 100%;
    padding: 10px;
    margin-bottom: 15px;
    background-color: #ffffffd5;
    border: 1px solid #ccc;
    /* border-radius: 5px; */
    font-size: 16px;
    box-sizing: border-box;
    color: #555;
}
p   {
```