

😊 Creating Network Security Group

1. Create a new file in VS Code and write the below script to create a network security group.





```
08_networksecuritygroup X
08_networksecuritygroup > ...
1 $resourceGroup="demo-RG"
2 $location="North Europe"
3 $networkSecurityGroupName="app-nsg"
4
5 $nsgRule1=New-AzNetworkSecurityRuleConfig -Name "Allow-RDP" -Access Allow -Protocol Tcp `
6 -Direction Inbound -Priority 120 -SourceAddressPrefix Internet -SourcePortRange * `
7 -DestinationAddressPrefix 10.0.0.0/24 -DestinationPortRange 3389
8
9 $nsgRule2=New-AzNetworkSecurityRuleConfig -Name "Allow-HTTP" -Access Allow -Protocol Tcp `
10 -Direction Inbound -Priority 130 -SourceAddressPrefix Internet -SourcePortRange * `
11 -DestinationAddressPrefix 10.0.0.0/24 -DestinationPortRange 80
12
13 New-AzNetworkSecurityGroup -Name $networkSecurityGroupName -ResourceGroupName $resourceGroup `
14 -Location $location -SecurityRules $nsgRule1,$nsgRule2
```

2. In your output you can see that your NSG has been created successfully.

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTMAN CONSOLE Code
[Running] powershell -ExecutionPolicy Bypass -File "d:\AzurePowerShell\08_networksecuritygroup.ps1"
WARNING: The names of some imported commands from the module 'Microsoft.Azure.PowerShell.Cmdlets.Network'
include
unapproved verbs that might make them less discoverable. To find the commands with unapproved verbs, run the
Import-Module command again with the Verbose parameter. For a list of approved verbs, type Get-Verb.

ResourceGroupName Name Location ProvisioningState
-----
demo-RG app-nsg northeurope Succeeded
```

3. In your azure portal you can see that too.

<input type="checkbox"/> Name ↑↓	Type ↑↓	Location ↑↓	
<input type="checkbox"/>  app-interface	Network Interface	North Europe	...
<input type="checkbox"/>  app-ip	Public IP address	North Europe	...
<input type="checkbox"/>  app-network	Virtual network	North Europe	...
<input type="checkbox"/>  app-nsg	Network security group	North Europe	...