|  |
| --- |
|  |
| #create Resourcegroup |
|  | Login-AzureRmAccount |
|  |  |
|  | New-AzureRmResourceGroup -Name "PranithaRG" -Location "East Us" |
|  |  |
|  |  |
|  | #create a VirtualNetwork-1 in pranithaRG |
|  |  |
|  | $VN1=New-AzureRmVirtualNetwork -ResourceGroupName "PranithaRG" -Location "East Us" -Name "PranithaVnet1 " -AddressPrefix "10.0.0.0/24" |
|  | $SubnetConfig1=Add-AzureRmVirtualNetworkSubnetConfig -Name Frontendsubnet -AddressPrefix 10.0.0.0/28 -VirtualNetwork $VN1 |
|  | $SubnetConfig2=Add-AzureRmVirtualNetworkSubnetConfig -Name Backendsubnet -AddressPrefix 10.0.0.16/28-VirtualNetwork $VN1 |
|  | $Gatesubway=add-AzureRmVirtualNetworkSubnetConfig -Name Gatewaysubway -AddressPrefix 10.0.0.32/28 -VirtualNetwork $VN1 |
|  | $VN1 | Set-AzureRmVirtualNetwork |
|  |  |
|  | #Creating Public Ip and configuring into vpn-gateway for Virtual Network1 |
|  |  |
|  | $ip = New-AzureRmPublicIpAddress -Name "pranithaip1" -ResourceGroupName "PranithaRG" -Location "East Us" -AllocationMethod Dynamic |
|  | $subnet = Get-AzureRmVirtualNetworkSubnetConfig -Name Frontendsubnet -VirtualNetwork $VN1 |
|  | $ipconf = New-AzureRmVirtualNetworkGatewayIpConfig -Name VPNGatewayipconf -Subnet $subnet -PublicIpAddress $ip |
|  |  |
|  | #$ipconf = New-AzureRmVirtualNetworkGatewayIpConfig -Name "pranithaIP" -Subnet $SubnetConfig1 -PublicIpAddress $ip |
|  |  |
|  | #Creating VPN gateway |
|  | New-AzureRmVirtualNetworkGateway -Name VPNGateway1 -ResourceGroupName PranithaRG -Location "East Us" -IpConfigurations $ipconf -GatewayType Vpn -VpnType RouteBased -GatewaySku Basic |
|  |  |
|  | #Setting connections in VPN gateway |
|  | Set-VpnConnection -Name Vnet1 |
|  |  |
|  | #creating a Virtual Network-2 |
|  |  |
|  | $VN2=New-AzureRmVirtualNetwork -ResourceGroupName "PranithaRG" -Location "East Us" -Name "PranithaVnet2" -AddressPrefix "10.0.1.0/24" |
|  |  |
|  | $SubnetConfig1=Add-AzureRmVirtualNetworkSubnetConfig -Name Frontendsubnet -AddressPrefix 10.0.1.0/28 -VirtualNetwork $VN2 |
|  | $SubnetConfig2=Add-AzureRmVirtualNetworkSubnetConfig -Name Backendsubnet -AddressPrefix 10.0.1.16/28 -VirtualNetwork $VN2 |
|  | $Gatesubway=add-AzureRmVirtualNetworkSubnetConfig -Name Gatewaysubway -AddressPrefix 10.0.1.32/28 -VirtualNetwork $VN2 |
|  | $VN2 | Set-AzureRmVirtualNetwork |
|  | #Creating Public Ip and configuring into vpn-gateway for Virtual Network2 |
|  | $ip = New-AzureRmPublicIpAddress -Name "pranithaip2" -ResourceGroupName "PranithaRG" -Location "East Us" -AllocationMethod Dynamic |
|  | $subnet = Get-AzureRmVirtualNetworkSubnetConfig -Name $Gatesubway -VirtualNetwork $VN2 |
|  | $ipconf = New-AzureRmVirtualNetworkGatewayIpConfig -Name vpngatewayipconf -Subnet $subnet -PublicIpAddress $ip |
|  |  |
|  | #Creating VPN gateway |
|  | New-AzureRmVirtualNetworkGateway -Name VPNgateway2 -ResourceGroupName PranithaRG |
|  | -Location 'East US' -IpConfigurations $gwipconfig -GatewayType Vpn -VpnType VPN -GatewaySku Basic |
|  |  |
|  | #Setting connections in VPN gateway |
|  | Set-VpnConnection -Name Vnet2 |
|  | #giving connection between vnet1 to vnet2 and vnet2 to vnet1 |
|  |  |
|  | New-AzureRmVirtualNetworkGatewayConnection -Name con1 -ResourceGroupName PranithaRG -VirtualNetworkGateway1 VPNgateway1 -VirtualNetworkGateway2 VPNgateway2 -Location 'East-Us' -ConnectionType Vnet2Vnet -SharedKey '12345678' |
|  | $pranithaVNet1GW = Get-AzureRmVirtualNetworkGateway -Name VPNgateway1 -ResourceGroupName PranithaRG |
|  | $pranithaVNet2GW = Get-AzureRmVirtualNetworkGateway -Name VPNgateway2 -ResourceGroupName PranithaRG |
|  | New-AzureRmVirtualNetworkGatewayConnection -Name con2 -ResourceGroupName PranithaRG -VirtualNetworkGateway1 VPNgateway1 -VirtualNetworkGateway2 VPNgateway2 -Location 'East-Us' -ConnectionType Vnet2Vnet -SharedKey '12345678' |
|  |  |
|  |  |
|  |  |
|  |  |
|  | #creating a Virtual Network-3 |
|  |  |
|  | $VN3=New-AzureRmVirtualNetwork -ResourceGroupName "PranithaRG" -Location "East Us" -Name "Pranithavnet3" -AddressPrefix "10.0.2.0/24" |
|  |  |
|  | $SubnetConfig1=Add-AzureRmVirtualNetworkSubnetConfig -Name Frontendsubnet -AddressPrefix 10.0.2.0/24 -VirtualNetwork $VN3 |
|  | $SubnetConfig2=Add-AzureRmVirtualNetworkSubnetConfig -Name Backendsubnet -AddressPrefix 10.0.1.16/28 -VirtualNetwork $VN3 |
|  | $Gatesubway=add-AzureRmVirtualNetworkSubnetConfig -Name Gatewaysubway -AddressPrefix 10.0.1.32/28 -VirtualNetwork $VN3 |
|  | $VN3 | Set-AzureRmVirtualNetwork |
|  |  |
|  |  |
|  | #Creating Vnet-3 to Vnet-2 Peering |
|  |  |
|  |  |
|  | Add-AzureRmVirtualNetworkPeering -Name VnetPeering2 -RemoteVirtualNetworkId PranithaRemote2 -VirtualNetwork $VN3 -AllowGatewayTransit |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |