

Creating a Basic VPN Gateway

The Basic VPN gateway is often all that's needed, and price-wise, it's around \$30/month vs VpnGW1 at \$136/month. However, due to the sunset of [Basic Public IPs] (<https://azure.microsoft.com/en-us/updates/upgrade-to-standard-sku-public-ip-addresses-in-azure-by-30-september-2025-basic-sku-will-be-retired/>) used by the Basic VPN gateway, creating a new instance of the Basic VPN Gateway is no longer possible via the portal. Thankfully, it's still possible via a ARM template.

Prerequisites: - VNet with a Gateway Subnet already created - Basic Public IP with dynamic addressing

ARM Template. Replace the parameters with the appropriate URLs of your resources.

```
{
  "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "virtualNetworkGateways_VPN_Gateway_name": {
      "defaultValue": "VPN_Gateway_Basic",
      "type": "string"
    },
    "publicIPAddresses_VPN_PublicIP_externalid": {
      "defaultValue": "subscriptions/XXXXXX/resourceGroups/XXXXX/providers/Microsoft.Network/publicIPAddresses/XXXXXX",
      "type": "string"
    },
    "virtualNetworks_Main_externalid": {
      "defaultValue": "subscriptions/XXXXXX/resourceGroups/XXXXX/providers/Microsoft.Network/virtualNetworks/XXXXXX",
      "type": "string"
    }
  }
}
```

```

    }
  },
  "variables": {},
  "resources": [
    {
      "type": "Microsoft.Network/virtualNetworkGateways",
      "apiVersion": "2017-06-01",
      "name": "[parameters('virtualNetworkGateways_VPN_Gateway_name')]",
      "location": "eastus",
      "properties": {
        "enablePrivateIpAddress": false,
        "ipConfigurations": [
          {
            "name": "default",
            "id": "[concat(resourceId('Microsoft.Network/virtualNetworkGateways',
parameters('virtualNetworkGateways_VPN_Gateway_name')),
'/ipConfigurations/default')]",
            "properties": {
              "privateIPAllocationMethod": "Dynamic",
              "publicIpAddress": {
                "id": "[parameters('publicIPAddresses_VPN_PublicIP_externalid')]"
              },
              "subnet": {
                "id": "[concat(parameters('virtualNetworks_Main_externalid'),
'/subnets/GatewaySubnet')]"
              }
            }
          }
        ]
      },
    ],
  ],

```

```
    "natRules": [],
    "virtualNetworkGatewayPolicyGroups": [],
    "disableIPSecReplayProtection": false,
    "sku": {
      "name": "Basic",
      "tier": "Basic"
    },
    "gatewayType": "Vpn",
    "vpnType": "RouteBased",
    "activeActive": false,
    "vpnGatewayGeneration": "Generation1",
    "allowRemoteVnetTraffic": false,
    "allowVirtualWanTraffic": false
  }
}
]
```