

How to Create a Microsoft Azure Virtual WAN

<https://campus.barracuda.com/doc/93194265/>

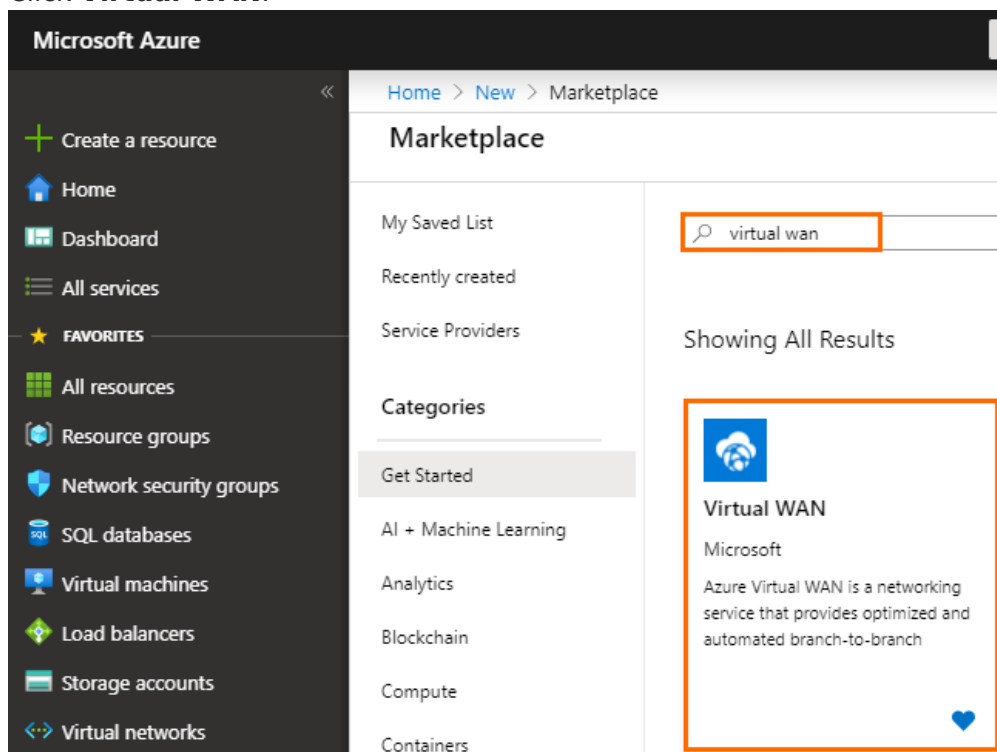
Barracuda CloudGen WAN supports multiple Microsoft Azure Virtual WANs. Microsoft's Azure Virtual WAN technology allows fast, secure, and uninterrupted network availability to both your cloud-hosted or hybrid data center and your branch offices through Microsoft's global network. Follow the steps below to create a Virtual WAN with a hub in Microsoft Azure.

Before You Begin

- Create a [Microsoft Azure account](#).

Step 1. Create a Microsoft Azure Virtual WAN

1. Log into the Azure portal: <https://portal.azure.com>
2. In the left menu, click **Create a resource** and search for **Virtual WAN**.
3. Click **Virtual WAN**.



4. In the next blade, click **Create**.
5. In the **Create WAN** blade, specify values for the following:
 - **Resource Group** – Select an existing resource group from the drop-down menu, or create a new one.

- **Resource group location** – Select the region of the Virtual WAN, e.g., West Europe.
- **Name** – Enter a name for your Virtual WAN. The Virtual WAN will be displayed with this name in the CloudGen WAN user interface.
- **Type** – Select **Standard**.

Home > New > Marketplace > Virtual WAN > Create WAN

Create WAN

[Basics](#) [Review + create](#)

The virtual WAN resource represents a virtual overlay of your Azure network and is a collection of multiple resources. [Learn more](#)

Project details

Subscription *

Resource group * [Create new](#)

Virtual WAN details

Resource group location *

Name *

Type

[Review + create](#) [Previous](#) [Next : Review + create >](#)

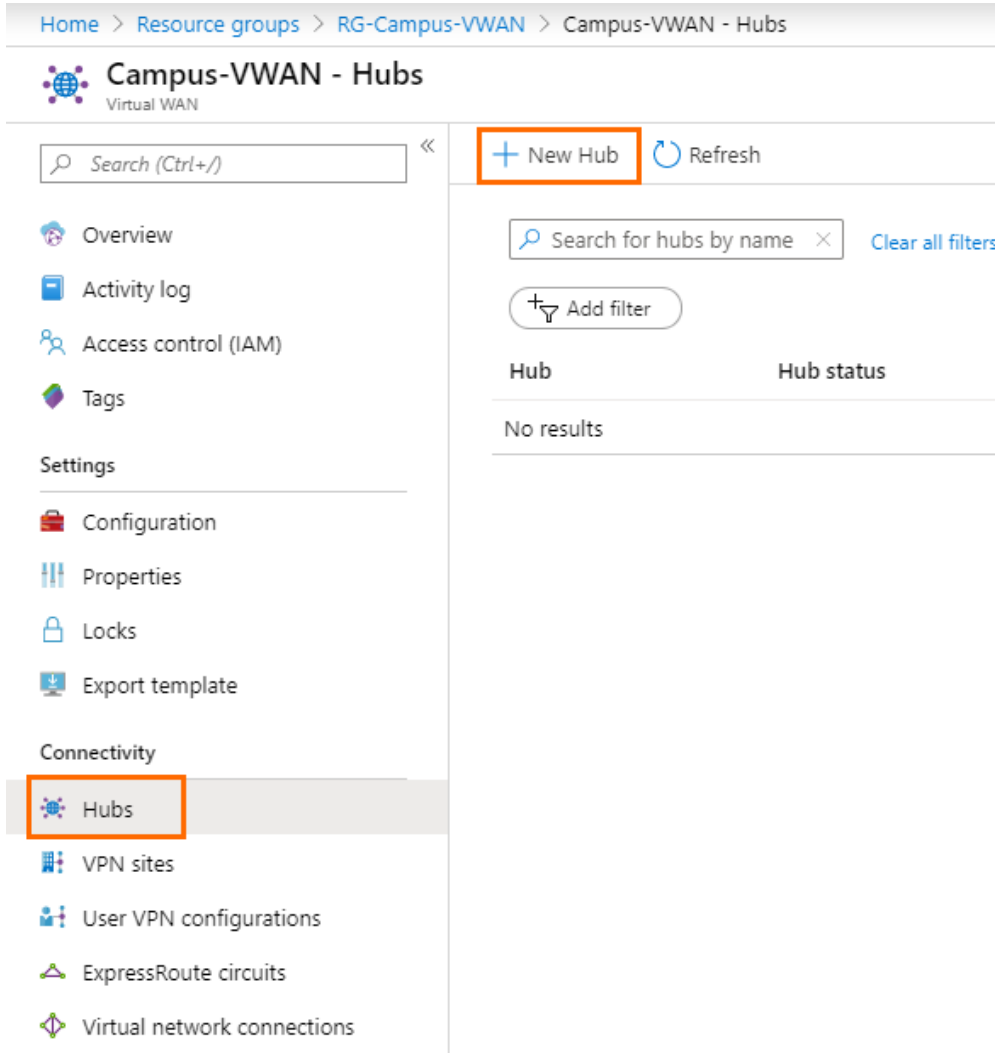
6. Click **Review + Create**.
7. Click **Create** to finish Virtual WAN creation.

Step 2. Create a Hub in Your Microsoft Azure Virtual WAN

Create a hub in each region where you want to use Barracuda CloudGen WAN.

1. Log into the Azure portal: <https://portal.azure.com>
2. In the left menu, click **All services** and search for **Resource groups**.
3. Click on the resource group your vWAN is attached to. See Step 1.
4. Click on your vWAN created in Step 1.

5. On the left side, click **Hubs**.
6. In the next blade, click **+ New Hub**.



The screenshot shows the Barracuda CloudGen WAN interface. The breadcrumb navigation at the top reads: Home > Resource groups > RG-Campus-VWAN > Campus-VWAN - Hubs. The main heading is "Campus-VWAN - Hubs" with "Virtual WAN" underneath. On the left, a navigation pane lists various options: Overview, Activity log, Access control (IAM), Tags, Settings (Configuration, Properties, Locks, Export template), and Connectivity (Hubs, VPN sites, User VPN configurations, ExpressRoute circuits, Virtual network connections). The "Hubs" option under Connectivity is highlighted with an orange box. In the main content area, there is a search bar, a "+ New Hub" button (also highlighted with an orange box), and a "Refresh" button. Below these are search filters and a table header with columns "Hub" and "Hub status", which currently shows "No results".

7. The **Create virtual hub** blade opens. Specify values for the following:
 - o **Region** - Select a region from the drop-down menu, e.g., **West Europe**.
 - o **Name** - Enter a name for the hub, e.g., doc-vwan-hub.
 - o **Hub private address space** - Enter the hub's address range in CIDR, e.g., 10.0.0.0/24. Select a unique network that is dedicated for the hub only.

Home > Resource groups > RG-Campus-VWAN > Campus-VWAN - Hubs > Create virtual hub

Create virtual hub

Basics Site to site Point to site ExpressRoute Routing Tags Review + create

A virtual hub is a Microsoft-managed virtual network. The hub contains various service endpoints to enable connectivity from your on-premises network (vpnsite). The hub is the core of your network in a region. There can only be one hub per Azure region. When you create a hub using Azure portal, it creates a virtual hub VNet and a virtual hub vpngateway. [Learn more](#)

Project details

The hub will be created under the same subscription and resource group as the vWAN.

Subscription *	NGEngineeringTeam	▼
Resource group *	RG-Campus-VWAN	▼
Virtual Hub Details		
Region *	West Europe	▼
Name *	doc-vwan-hub	✓
Hub private address space * ⓘ	10.0.0.0/24	✓

i Creating a hub with a gateway will take 30 minutes.

Review + create

Previous

Next : Site to site >

- Click **Review + create**.
- Review your settings and click **Create** to start the creation of the hub.
- After the hub deployment succeeds, click **All services** in the left menu and search for **Resource groups**.

Home >



VirtualHubDeployment | Overview

Deployment

Search (Ctrl+/)



Delete



Cancel



Redeploy



Refresh



Overview



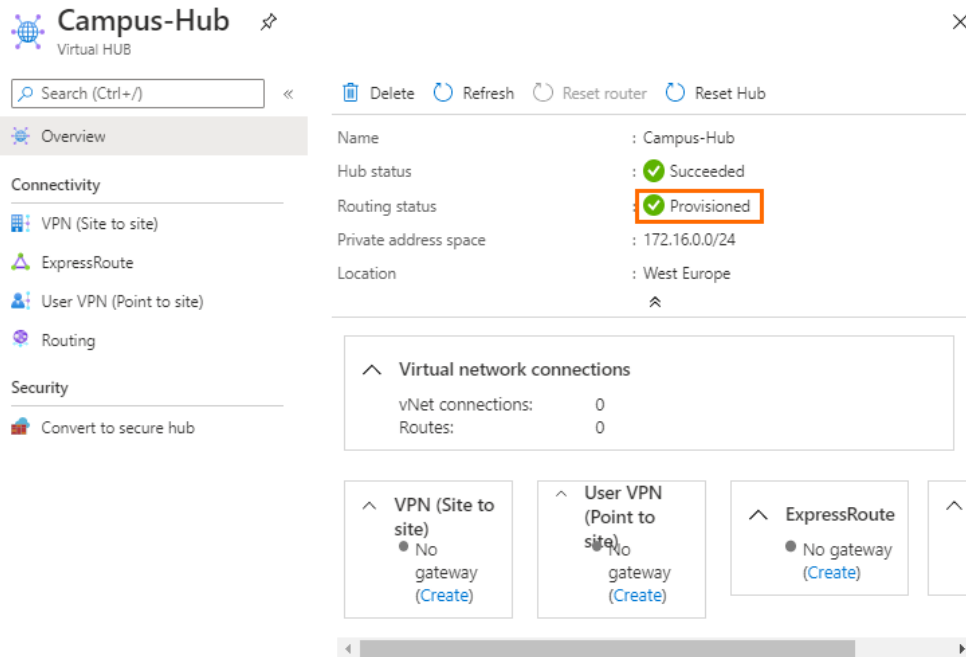
Inputs



Your deployment is complete

- Click on the resource group your vWAN is attached to. See Step 1.
- Click on your vWAN created in Step 1.
- On the left side, click **Hubs**.
- Click on the hub you just created.
- Wait until the routing status becomes green and **Provisioned** is displayed.

All services > Resource groups > Campus-VWAN > Campus-VWAN >



Campus-Hub
Virtual HUB

Search (Ctrl+/) << Delete Refresh Reset router Reset Hub

Overview

Connectivity

- VPN (Site to site)
- ExpressRoute
- User VPN (Point to site)
- Routing

Security

- Convert to secure hub

Name : Campus-Hub
Hub status : ✔ Succeeded
Routing status : ✔ Provisioned
Private address space : 172.16.0.0/24
Location : West Europe

Virtual network connections

vNet connections: 0
Routes: 0

VPN (Site to site)
● No gateway
[\(Create\)](#)

User VPN (Point to site)
● No gateway
[\(Create\)](#)

ExpressRoute
● No gateway
[\(Create\)](#)

Next Steps

[How to Create a Barracuda CloudGen WAN Gateway in Microsoft Azure](#)

Figures

1. marketplace_vwan1.png
2. create_vwan_blade.png
3. create_hubs_1.png
4. create_hub2.png
5. hub_suc.png
6. hub_prov.png

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