
How to Create a Microsoft Azure Virtual WAN

<https://campus.barracuda.com/doc/98223576/>

Barracuda SecureEdge 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**.

[Home](#) > [Create a resource](#) >

Marketplace

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☐ Azure benefit eligible only ⓘ

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Virtual WAN

Microsoft

Azure Service

Azure Virtual WAN is a networking service that provides optimized and automated branch-to-branch connectivity through Azure.

Create ▾



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 SecureEdge 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 SecureEdge.


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**.


[Home](#) > [RG-Campus-VWAN](#) > [Campus-VWAN](#)


Campus-VWAN | Hubs ☆ ...


Virtual WAN

[+ New Hub](#) [Refresh](#)


 Overview


 Activity log


 Access control (IAM)

 Tags


Settings


 Configuration

 Properties

 Locks

Connectivity

 **Hubs**

 VPN sites


[+ Add filter](#)

Hub


7. The **Create virtual hub** blade opens. Specify values for the following:
- **Region** – Select a region from the drop-down list, e.g., **West Europe**.
 - **Name** – Enter a name for the hub, e.g., doc-vwan-hub.
 - **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.
 - **Virtual hub capacity** – Select the virtual hub capacity according to your requirements.
 - **Hub routing preference** – Select the hub routing preference, e.g., ExpressRoute. Note that ExpressRoute is the default setting but can be changed depending on your requirements.

Create virtual hub ...

[Basics](#)
[Site to site](#)
[Point to site](#)
[ExpressRoute](#)
[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). [Learn more](#) 

Project details

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

Subscription	NetSec-cust2
Resource group	RG-Campus-VWAN

Virtual Hub Details

Region *	West Europe
Name *	doc-vwan-hub
Hub private address space * 	10.0.0.0/24
Virtual hub capacity * 	2 Routing Infrastructure Units, 3 Gbps Router, Supports 2000 VMs
Hub routing preference * 	ExpressRoute

 Creating a hub with a gateway will take 30 minutes.

Review + create

Previous

Next : Site to site >

8. Click **Review + create**.

9. Review your settings and click **Create** to start the creation of the hub.


10. 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

11. Click on the resource group your vWAN is attached to. See Step 1.

12. Click on your vWAN created in Step 1.

13. On the left side, click **Hubs**.

14. Click on the hub you just created.

15. Wait until the routing status becomes green and Provisioned is displayed.

Home > RG-Campus-VWAN > Campus-VWAN | Hubs >

doc-wan-hub Virtual HUB

Search << Edit virtual hub Delete Refresh Reset router Reset Hub

Overview Essentials JSON View

Connectivity

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

Routing

- Route Maps (Preview)

Essentials

Name	: doc-wan-hub	Router version	: Latest
Resource group	: RG-Campus-VWAN	Routing status	: Provisioned
Tags	: Tags	Hub routing preference	: VpnGateway
Hub status	: Succeeded	Metrics	: View in Azure Monitor
Private address space	: 10.0.0.0/24		
Location	: West Europe		

[See less](#)

Next Steps

[How to Create a SecureEdge for Virtual WAN Edge Service in Microsoft Azure](#)

Figures

1. vwan-marketplace.png
2. create_vwan_blade.png
3. new-hub.png
4. create_virtual_hub.png
5. hub_suc.png
6. hub_succ_prov.png

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