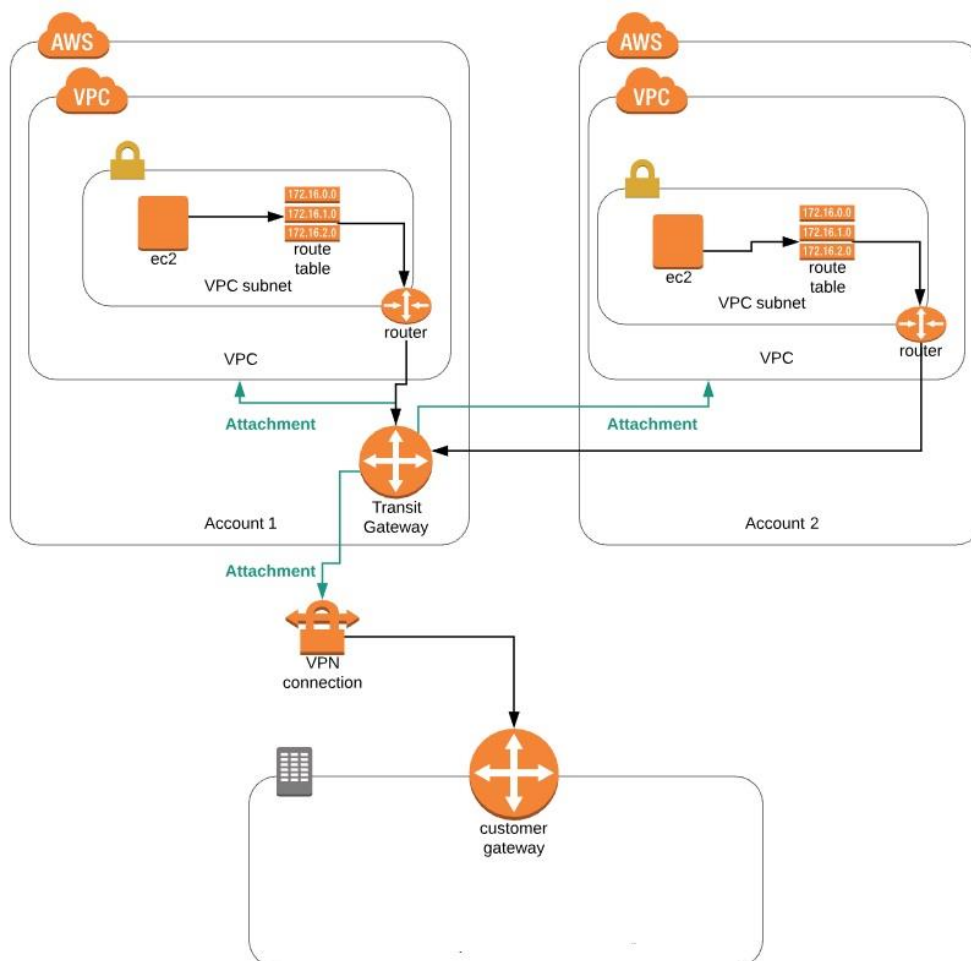


Setup AWS Transit Gateway

<https://theithollow.com/2018/12/12/setup-aws-transit-gateway/>

We will see learn how to connect On-premises to the AWS cloud through a VPN connection terminating on the Transit Gateway. The Transit Gateway is of Account 1 and will need to be attached not only to a VPN tunnel, but also to a VPC within the same account and another VPC in a second account.



aws

Services

Resource Groups

VPN Connections

Customer Gateways

Virtual Private Gateways

VPN Connections

Transit Gateways

Transit Gateways

Transit Gateway Attachments

Transit Gateway Route Tables

Create Transit Gateway

Actions

search : q

Add filter

<input type="checkbox"/>	Name	Transit Gateway ID	Owner account ID	State
--------------------------	------	--------------------	------------------	-------

Transit Gateways > Create Transit Gateway

Create Transit Gateway

A Transit Gateway (TGW) is a network transit hub that interconnects attachments (VPCs and VPNs) within the same account or across accounts.

Name tag

Description

Configure the Transit Gateway

Amazon side ASN

DNS support ☒ enable

VPN ECMP support ☒ enable

Default route table association ☒ enable

Default route table propagation ☒ enable



Configure sharing options for cross account

Auto accept shared attachments ☐ enable

Cancel

- Network ACLs
- Security Groups
- VPN Connections
- Customer Gateways
- Virtual Private Gateways
- VPN Connections
- Transit Gateways
- Transit Gateways
- Transit Gateway Attachments
- Transit Gateway Route Tables

Create Transit Gateway Attachment Actions ▾

 search : q  Add filter

<input type="checkbox"/>	Name	Transit Gateway attachment ID
--------------------------	------	-------------------------------

No Transit Gateway Attachments found matchin

Create Transit Gateway Attachment

Select a Transit Gateway and the type of attachment you would like to create.

Transit Gateway ID*

tgw-0b89e97d72f6a3314

Attachment type

☒ VPC

☐ VPN

VPC Attachment

Select and configure your VPC attachment.

Attachment name tag

NonProd-VPC-Attachment

DNS support

☒ enable

IPv6 support

☐ enable

VPC ID*

vpc-0b01a4398df1754c7

Subnet IDs*

subnet-0aa60eb38460cb157

subnet-02a3bd7677f302513

Availability Zone	Subnet ID
<input checked="" type="checkbox"/> us-east-1a	subnet-0aa60eb38460cb157 (npd-npd-us-east-1-public-az1)
<input checked="" type="checkbox"/> us-east-1b	subnet-02a3bd7677f302513 (npd-npd-us-east-1-public-az2)
<input type="checkbox"/> us-east-1c	No subnet available
<input type="checkbox"/> us-east-1d	No subnet available
<input type="checkbox"/> us-east-1e	No subnet available
<input type="checkbox"/> us-east-1f	No subnet available

Create Transit Gateway Attachment

Select a Transit Gateway and the type of attachment you would like to create.

Transit Gateway ID*

tgw-0b89e97d72f6a3314

Attachment type

VPC

VPC Attachment

Select and configure your VPC attachment.

Attachment name tag

Prod-VPC-Attachment

DNS support

enable

IPv6 support

enable

VPC ID*

vpc-03120498beb601278

Subnet IDs*

subnet-045f34d0e5021091e

subnet-08b45f7b5d520ceb7

Availability Zone	Subnet ID
<div><div></div>us-east-1a</div>	subnet-045f34d0e5021091e (prd-prd-us-east-1-private-az1) <div></div>
<div><div></div>us-east-1b</div>	subnet-08b45f7b5d520ceb7 (prd-prd-us-east-1-private-az2) <div></div>
<div><div></div>us-east-1c</div>	No subnet available
<div><div></div>us-east-1d</div>	No subnet available
<div><div></div>us-east-1e</div>	No subnet available
<div><div></div>us-east-1f</div>	No subnet available

Cancel Create attachment

Edit routes

Destination	Target	Status	Propagated	
10.90.0.0/16	local	active	No	
<div>0.0.0.0/0</div>	<div>igw-0430b013ca269df00</div>	active	No	<div></div>
<div>10.93.0.0/16</div>	<div>tgw-0b89e97d72f6a3314</div>		No	<div></div>

Add route

* Required

Cancel Save routes

Security Groups

VPN Connections

Customer Gateways

Virtual Private Gateways

VPN Connections

Transit Gateways

Transit Gateways

Transit Gateway Attachments

Transit Gateway Route Tables

Create Transit Gateway Attachment

Actions

search : Prod-VPC-Attachment

Add filter

	Name	Transit Gateway attachment ID	Transit Gateway ID	Resource type
<input type="checkbox"/>	Prod-VPC-Attachment	tgw-attach-000841730bca0744c	tgw-0b89e97d72f6a3314	VPC
<input type="checkbox"/>	NonProd-VPC-Attachment	tgw-attach-0849de65194ce9671	tgw-0b89e97d72f6a3314	VPC

[Transit Gateway Attachments](#) > Create Transit Gateway Attachment

Create Transit Gateway Attachment

Select a Transit Gateway and the type of attachment you would like to create.

Transit Gateway ID*

tgw-0b89e97d72f6a3314

Attachment type

☐ VPC

☒ VPN

VPN Attachment

Create a new customer gateway or select an existing customer gateway that you would like to connect to the Transit Gateway via a VPN connection.

Customer Gateway

☒ Existing

☐ New

Customer Gateway ID

cgw-056ee5041ce35b84e

Routing options

☐ Dynamic (requires BGP)

☒ Static

Tunnel Options

Customize tunnel inside CIDR and pre-shared keys for your VPN tunnels. Unspecified tunnel options will be randomly generated by Amazon.

Inside IP CIDR for Tunnel 1

Generated by Amazon

Pre-Shared Key for Tunnel 1

Generated by Amazon

Inside IP CIDR for Tunnel 2

Generated by Amazon

Pre-shared key for Tunnel 2

Generated by Amazon

[Cancel](#) [Create attachment](#)

NAT Gateways

Peering Connections

Security

Network ACLs

Security Groups

VPN Connections

Customer Gateways

Virtual Private Gateways

VPN Connections

Transit Gateways

Transit Gateways

Transit Gateway Attachments

Transit Gateway Route Tables

Create Transit Gateway Route Table

Actions

Filter by tags and attributes or search by keyword

<< < 1 to 1 of 1 > >

	Name	Transit Gateway route table ID	Transit Gateway ID	State
<input checked="" type="checkbox"/>		tgw-rtb-0741cd439135a7049	tgw-0b89e97d72f6a3314	available

Transit Gateway Route Table: tgw-rtb-0741cd439135a7049

Details

Associations

Propagations

Routes

Tags

The table below will return a maximum of 1000 routes.

Create route

Replace route

Delete route

Filter by attributes or search by keyword

<< < 1 to 2 of 2 > >

	CIDR	Attachment	Resource type	Route type	Route state
<input type="checkbox"/>	10.90.0.0/16	tgw-attach-000841730bca0744c vpc-03120498beb601278	VPC	propagated	active
<input type="checkbox"/>	10.93.0.0/16	tgw-attach-0849de65194ce9671 vpc-0b01a4398d1754c7	VPC	propagated	active

[Transit Gateway Route Tables](#) > Create route

Create route

Add a static route to your Transit Gateway route table.

Transit Gateway ID tgw-0b89e97d72f6a3314

Transit Gateway route table ID tgw-rtb-0741cd439135a7049

CIDR*



Blackhole ☐ 

Choose attachment



[Cancel](#)

[Create route](#)