



Transit VPC default route propagation using BGP

How to add the default route to Transit VPC Subscribers

<http://www.paloaltonetworks.com>

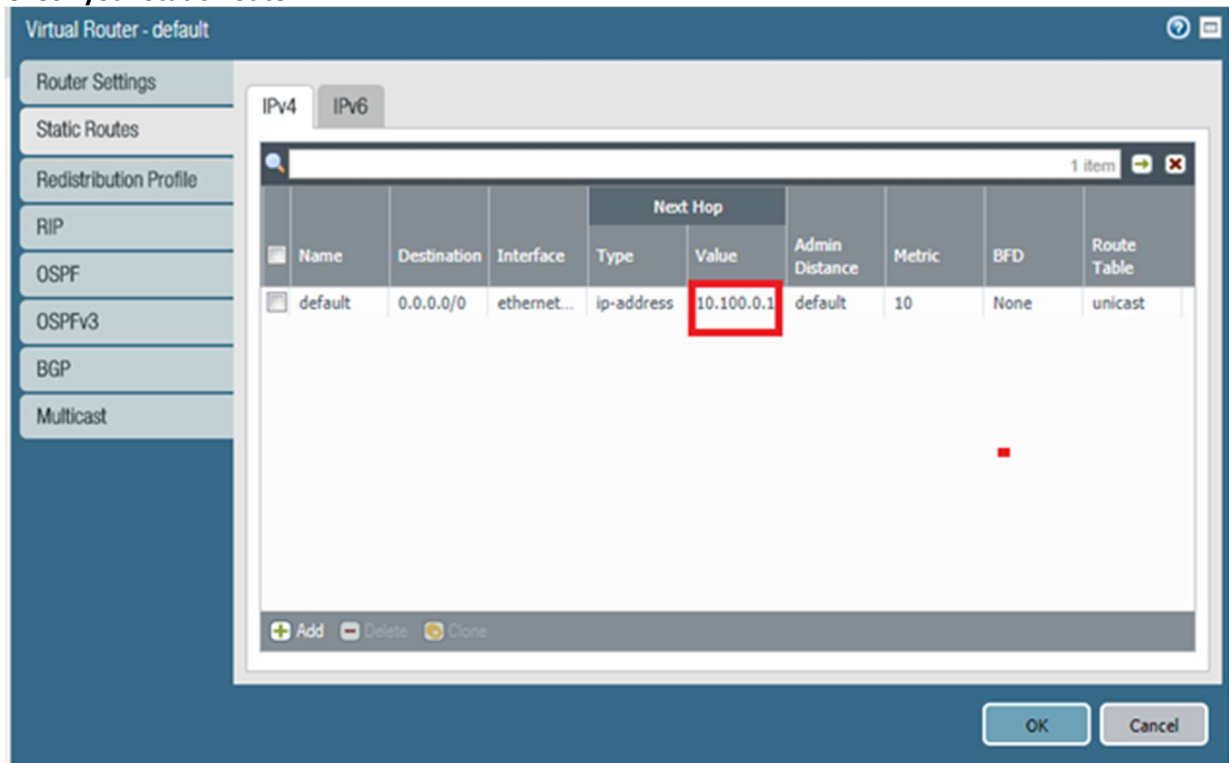
Palo Alto Networks Transit VPC default route propagation using BGP

This Documentation demonstrates how to add the default route to your SubscriberVPC. There are two ways you can accomplish this

1. You can manually add the default route pointing to the VGW to every Subscriber private route table
2. Or you can enable Propagation on the subscriber private route table and enable your redistribution profile on the VM-Series firewalls.

In this example we will demonstrate how to enable default route propagation using BGP to your SubscriberVPC. This can be replicated on each subsequent SubscriberVPC. **Be sure you perform this on both Firewalls because they are active/passive BGP Peers.**

Check your Static Route.



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Create a Redistribution Profile that matches the static route.

Virtual Router - default

Router Settings

Static Routes

Redistribution Profile

RIP

OSPF

OSPFv3

BGP

Multicast

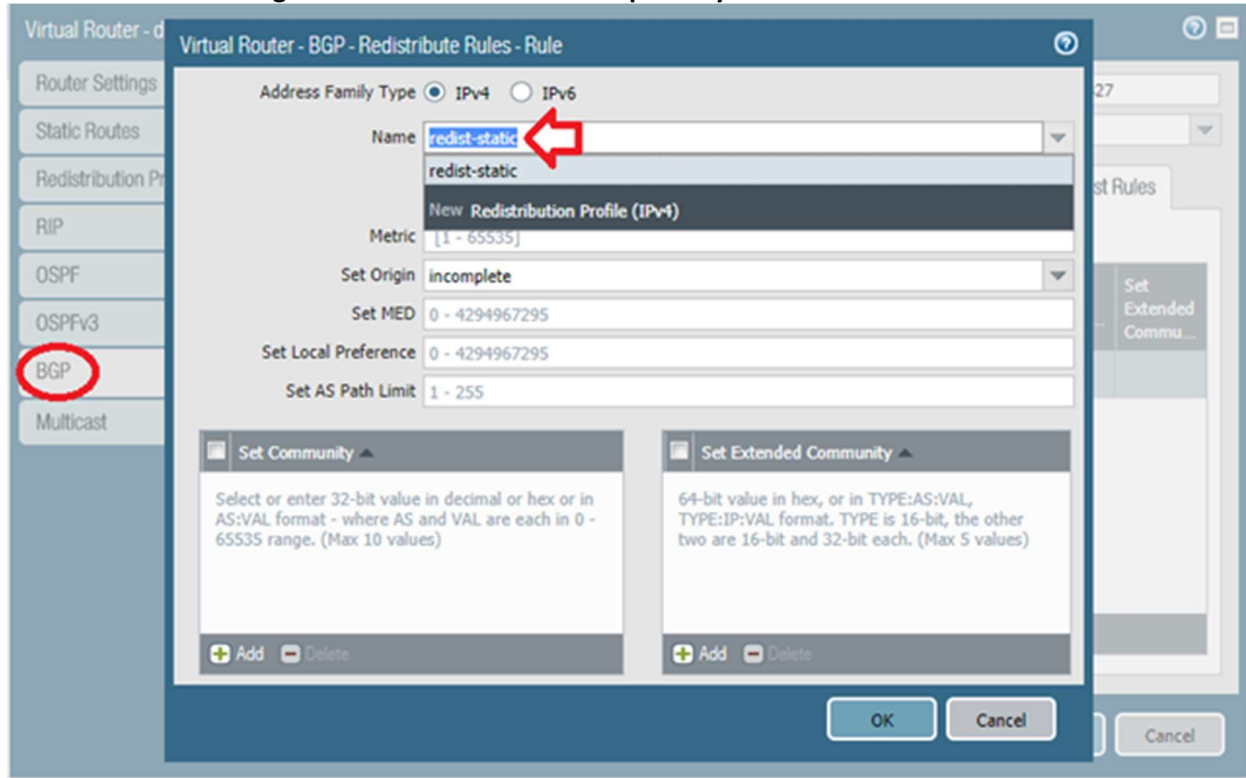
IPv4 IPv6

	Name	Priority	Filter						Action
			Type	Interface	Destination	Next Hop	OSPF Params	BGP Params	
<input type="checkbox"/>	redist-static	1	static	ethernet1/1	0.0.0.0/0	10.100.0.1			<input checked="" type="checkbox"/>

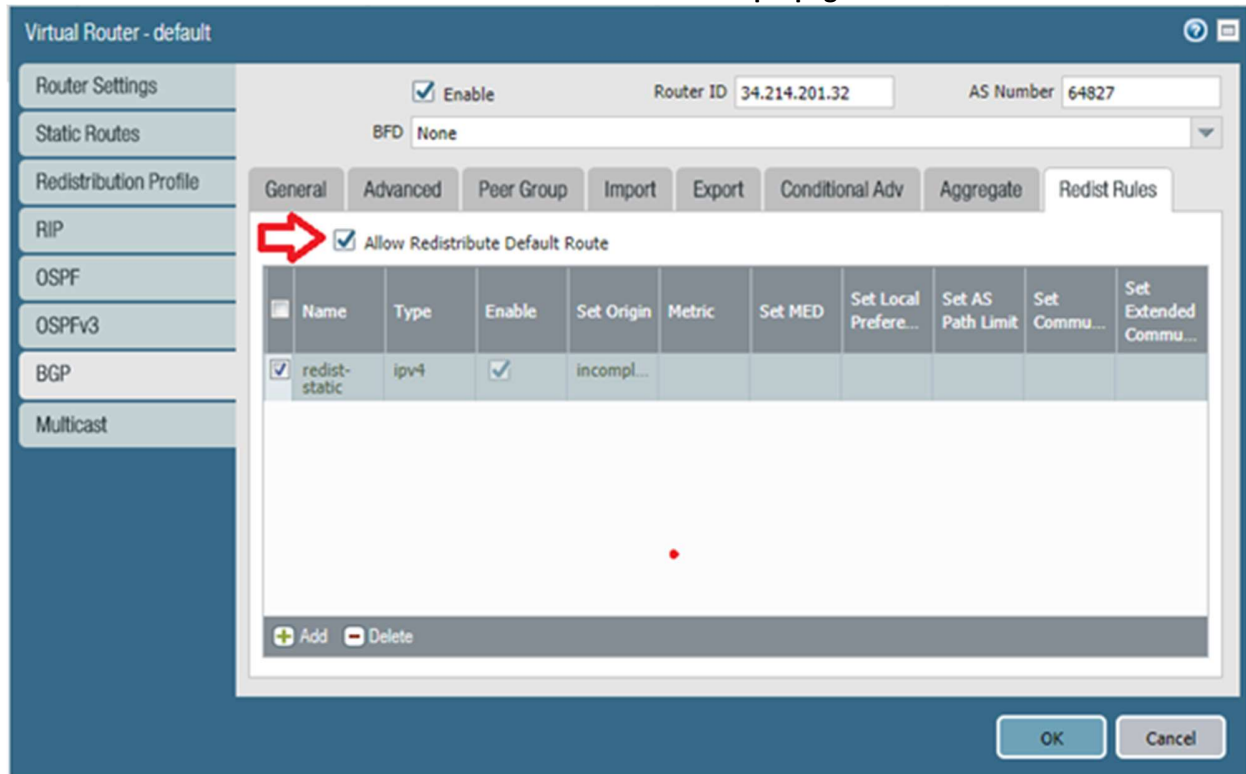
OK Cancel

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Go into the BGP Settings and add the Redistribution profile you created.



Then check "Allow Redistribute Default Route" or BGP will not propagate this.



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When this is done enable route propagation in the AWS subscriber private route table.

Create Route Table Delete Route Table Set As Main Table

Search Route Tables and thei X

<input type="checkbox"/>	Name	Route Table ID	Explicitly Associat	Main	VPC
<input type="checkbox"/>	Subscribing-priv-rt	rtb-38c64a40	2 Subnets	No	vpc-a9148fd0 Subscribe-vpc
<input checked="" type="checkbox"/>	Subscribing-priv-rt	rtb-a834b9d0	2 Subnets	No	vpc-fc66fd85 Subscribe-vpc

rtb-a834b9d0 | Subscribing-priv-rt

Summary Routes Subnet Associations Route Propagation Tags

Cancel Save

Virtual Private Gateway Propagate

vgw-d841e5c6 | PaGroup58 ☐

Then you will see the default route pointing to the VGW.

Create Route Table Delete Route Table Set As Main Table

Search Route Tables and thei X

<input type="checkbox"/>	Name	Route Table ID	Explicitly Associat	Main	VPC
<input type="checkbox"/>	Subscribing-priv-rt	rtb-38c64a40	2 Subnets	No	vpc-a9148fd0 Subscribe-vpc
<input checked="" type="checkbox"/>	Subscribing-priv-rt	rtb-a834b9d0	2 Subnets	No	vpc-fc66fd85 Subscribe-vpc

rtb-a834b9d0 | Subscribing-priv-rt

Summary Routes Subnet Associations Route Propagation Tags

Edit

View: All rules

Destination	Target	Status	Propagated
10.10.0.0/17	local	Active	No
0.0.0.0/0	vgw-d841e5c6	Active	Yes
10.11.0.0/17	vgw-d841e5c6	Active	Yes
10.12.0.0/17	vgw-d841e5c6	Active	Yes