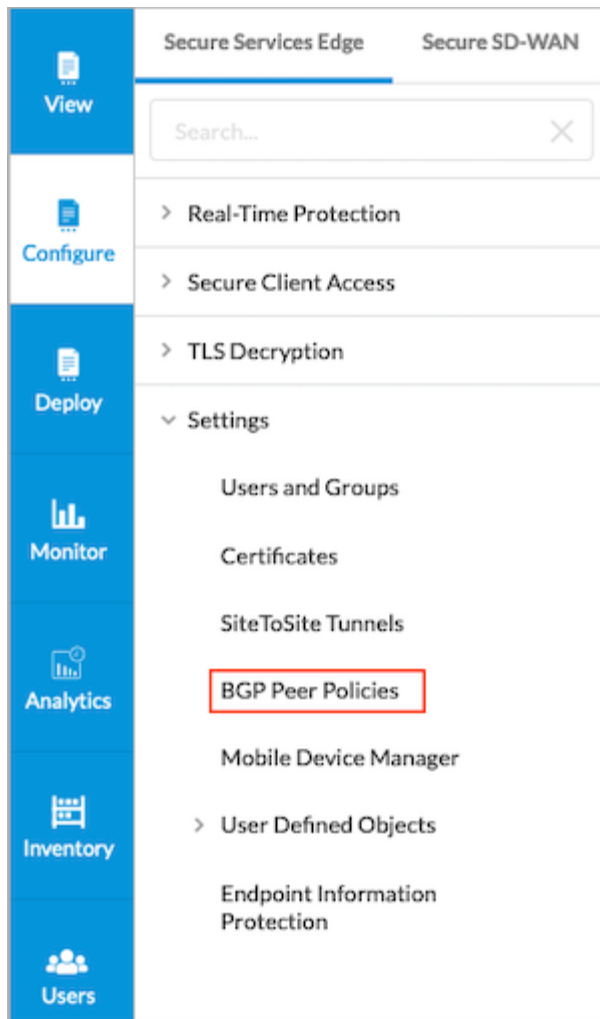

Configure SASE BGP Peer Policies

 For supported software information, click [here](#).

BGP peer policies consist of one or more terms for filtering BGP routes that are received from remote BGP peers or that are advertised to remote BGP peers. You can configure import policies to modify or reject routes coming from remote BGP peers, and you can configure export policies to apply policies to routes that are advertised to BGP peers. After you configure BGP peer policies, you use them when configuring site-to-site tunnels. For more information about site-to-site tunnels, see [Configure SASE Site-to-Site Tunnels](#).

To configure BGP peer policies:

1. Go to Configure > Secure Services Edge > Settings.



2. Click BGP Peer Policies. The screen displays all configured peer policies.

Configure > SASE > Settings > BGP Peer Policies

BGP Peer Policies Publish

Below are all the BGP Peer Policies

BGP Peer Policy		Search	+ Add Policy Term	Edit	Clone	Delete	Refresh
	NAME	POLICY TERMS	LAST MODIFIED				
<input type="checkbox"/>	testCreateBGB	emptyrow, test123	10/12/2022, 3:49:34 AM Administrator				
<input type="checkbox"/>	testtesd		10/12/2022, 7:01:30 AM Administrator				
<input type="checkbox"/>	TestBGPCreate	policyterm, test1	10/25/2022, 2:07:25 PM Administrator				
<input type="checkbox"/>	1212	212	10/12/2022, 6:55:28 AM Administrator				
<input type="checkbox"/>	tewses	,123213	10/11/2022, 4:11:19 AM Administrator				

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3. Click + Add Policy Term to add a new peer policy term. The Add BGP Peer Policy screen displays.

[https://docs.versa-networks.com/Security_Service_Edge_\(SSE\)/Configuration_from_Concerto/Configure_SASE_BGP_Peer_...](https://docs.versa-networks.com/Security_Service_Edge_(SSE)/Configuration_from_Concerto/Configure_SASE_BGP_Peer_...)

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Configure > SASE > Settings > BGP Peer Policies

Add BGP Peer Policy Publish

1 ENTER POLICY TERM

NAME
No Data

+ Add Edit Reorder Delete Refresh

Cancel Next

2 ENTER NAME, DESCRIPTION & TAGS

4. Click + Add under Enter Policy Term. The Add Policy Term screen displays.

Add Policy Term ×

Criteria

Community Extended Community

AS Path

IPv4 NLRI

IPv4 Prefixes	Min Length	Max Length	Action	-	+
<input type="text"/>	<input type="text"/>	<input type="text"/>	Permit		

IPv6 NLRI

IPv6 Prefixes	Min Length	Max Length	Action	-	+
<input type="text"/>	<input type="text"/>	<input type="text"/>	Select		



Action



General Information

Cancel Save

5. Click Criteria to specify the match criteria. Enter information for the following fields.

Field	Description
Criteria (Group of Fields)	
<ul style="list-style-type: none"> Community 	Enter the BGP community string to match. A BGP community is a group of destinations with a common property. This path attribute in BGP update messages identifies community members and performs actions at a group level instead of at an individual level. BGP communities help identify and segregate BGP routes,

Field	Description
	enabling smooth traffic flow.
<ul style="list-style-type: none"> Extended Community 	<p>Enter the extended BGP community string to match. In an extended community, you can group a larger number of destinations than in a community.</p> <p><i>Range:</i> 0000000000000000 to FFFFFFFFFFFFFFFF</p> <p><i>Default:</i> None</p>
<ul style="list-style-type: none"> AS Path 	Enter the AS path number to match.
<ul style="list-style-type: none"> IPv4 NLRI (Group of Fields) 	
<ul style="list-style-type: none"> IPv4 Prefixes 	<p>Enter information about the IPv4 prefix:</p> <ul style="list-style-type: none"> IPv4 Subnet—Enter a valid IPv4 prefix, for example, 10.1.1.0/24. Minimum Length—Enter the minimum prefix length to match. The minimum prefix length must be less than the maximum prefix length. <i>Range:</i> 24 through 32 <i>Default:</i> None Maximum Length—Enter the maximum prefix length to match. The minimum prefix length must be less than the maximum prefix length. <i>Range:</i> 0 through 32 <i>Default:</i> None Action—Select the Permit or Deny action from the drop-down list. Click the  Plus icon to add additional IPv4 prefixes. Click the  Minus icon to remove IPv4 prefixes.
<ul style="list-style-type: none"> IPv6 NLRI (Group of Fields) 	
<ul style="list-style-type: none"> IPv6 Prefixes 	<p>Enter information about the IPv6 prefix:</p> <ul style="list-style-type: none"> IPv6 Subnet—Enter the IPv6 prefix, which must be must be 2001::/24.

Field	Description
	<ul style="list-style-type: none"> Minimum Length—Enter the minimum prefix length to match. The minimum prefix length must be less than the maximum prefix length. <i>Range:</i> 0 through 128 <i>Default:</i> None Maximum Length—Enter the maximum prefix length to match. The minimum prefix length must be less than the maximum prefix length. <i>Range:</i> 0 through 128 <i>Default:</i> None Action—Select the Permit or Deny action from the drop-down list. Click the  Plus icon to add additional IPv6 prefixes. Click the  Minus icon to remove IPv6 prefixes.

6. Click Action, and then enter information for the following fields.

Add Policy Term

Criteria

Action

Select

Local Preference

☐ Enabled ECMP for BGP Routes in RIB

Route Preference

Metric Action

Select

Metric

Community

Community Action

Select

Community Value

Extended Community Action

Select

Extended Community Value

AS Path

AS Path Action

Select

AS Path Prepend

Local AS Path Count

General Information

Cancel

Save

Field	Description
Action (Group of Fields)	
<ul style="list-style-type: none"> Action 	<p>Select the action to take on the routes:</p> <ul style="list-style-type: none"> Accept Reject
<ul style="list-style-type: none"> Local Preference 	<p>Enter the local preference value to use to choose the outbound external BGP path.</p> <p><i>Range:</i> 0 through 2147483647</p>
<ul style="list-style-type: none"> Enabled ECMP for BGP Routes in RIB 	<p>Select to perform equal-cost multipath (ECMP) for BGP paths in the route table. BGP performs ECMP load balancing when two or more routes have the same administrative distance.</p>
<ul style="list-style-type: none"> Route Preference 	<p>Enter a route preference value for routes learned from EBGp.</p> <p><i>Range:</i> 0 through 255</p> <p><i>Default:</i> None</p>
<ul style="list-style-type: none"> Metric Action 	<p>Select the metric action to take:</p> <ul style="list-style-type: none"> Set Value IGP (interior gateway protocol) Add Subtract
<ul style="list-style-type: none"> Metric 	<p>Enter a metric value. If you select the IGP metric action, do not configure a metric value.</p> <p><i>Range:</i> 0 through 4294967295.</p>
Community (Group of Fields)	
<ul style="list-style-type: none"> Community Action 	<p>Select how to match the community list for a route:</p>

Field	Description
	<ul style="list-style-type: none"> Community field is ignored. Remove all communities from the route. Replace all communities with the single community specified by set-community. Remove all communities that match community value. Append the value of community value into the communities list.
<ul style="list-style-type: none"> Community Value 	<p>Enter the community value. The value should be a set of communities separated by a space in the format <i>2-byte decimal:2-byte decimal</i>. Note that not all extended community actions require a community value.</p> <p><i>Range:</i> 0 through 65535</p>
<ul style="list-style-type: none"> Extended Community Action 	<p>Select how to match the community list for a route:</p> <ul style="list-style-type: none"> Community field is ignored. Remove all communities from the route. Replace all communities with the single community specified by set-community. Remove all communities that match community value. Append the value of community value into the communities list.
<ul style="list-style-type: none"> Extended Community Value 	<p>Enter the BGP extended community value. The extended community value should be 16 characters.</p> <p><i>Range:</i> 0000000000000000 to FFFFFFFFFFFFFFFF</p> <p><i>Default:</i> None</p>
AS Path (Group of Fields)	
<ul style="list-style-type: none"> AS Path Action 	<p>Select a regular expression to match the AS path for the route:</p>

Field	Description
	<ul style="list-style-type: none"> No AS path action. Prepend the local AS path the number of times specified by local AS prepend count. Remove all AS numbers matched by match as-path. Remove all AS numbers matched by match as-path and prepend the local AS the number of times specified by the local AS prepend count.
<ul style="list-style-type: none"> AS Path Prepend 	Select how to prepend the AS number to an AS path. <i>Range:</i> 1 through 4294967295
<ul style="list-style-type: none"> Local AS Path Count 	Enter a value from 1 through 255.

7. Click General Information, and enter information for the following fields.

Add Policy Term

Criteria

Action

General Information

Term Name *

Description

Cancel

Save

Field	Description
Term Name (Required)	Enter a name for the policy term.
Description	Enter a text description for the policy term.

8. Click the Enter Name, Description & Tags box, and then enter information for the following fields.

Configure > SASE > Settings > BGP Peer Policies

Add BGP Peer Policy Publish

ENTER POLICY TERM

2
ENTER NAME, DESCRIPTION & TAGS

Name*

Description

Tags

Cancel Save

Field	Description
Name (Required)	Enter a name for the BGP peer policy.
Description	Enter a text description for the BGP peer policy.
Tags	Enter one or more tags. A tag is an alphanumeric descriptor, with no white spaces or special characters, that you can use to search the objects.

9. Click Save.

Reorder Policy Terms

The order in which policy terms are listed on the Policy Term screen determines the order which terms are processed. You can reorder the terms so that a specific term is processed first, last, or, when there are three or more terms, in a specific location in the list.

To reorder policy terms:

1. Go to the Edit BGP Peer Policy screen.

1
ENTER POLICY TERM

Add Edit **Reorder** Delete Refresh

NAME
<input checked="" type="checkbox"/> policyterm
<input type="checkbox"/> test1

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Cancel Next

2. Select the term that you want to move in the list, and then click Reorder. The Configure Rule Order screen displays.

Configure Rule Order

How would you like to process rule "policyterm"?

☒ Process the rule last (add this rule at the bottom of the rule list)

☐ Process the rule first (add this rule at the top of the rule list)

☐ Process the rule in specific placement (select where to place in rule list)

Cancel Move

3. Select order in which you want to process the term.
4. Click Move. In the example above, the rule "policyterm" is moved to the bottom of the list.

Clone a BGP Peer Policy

1. Go to Configure > Secure Services Edge > Settings > BGP Peer Policies. The screen displays the configured BGP peer policies.

Configure > SASE > Settings > BGP Peer Policies

BGP Peer Policies

Publish

Below are all the BGP Peer Policies

BGP Peer Policy		Search	Add Policy Term Edit Clone Delete Refresh	
	NAME	POLICY TERMS	LAST MODIFIED	
<input checked="" type="checkbox"/>	testCreateBGB	emptyrow, test123	10/12/2022, 3:49:34 AM Administrator	
<input type="checkbox"/>	testtesd		10/12/2022, 7:01:30 AM Administrator	
<input type="checkbox"/>	TestBGPCreate	policyterm, test1	10/25/2022, 2:07:25 PM chaganti	
<input type="checkbox"/>	1212	212	10/12/2022, 6:55:28 AM Administrator	
<input type="checkbox"/>	tewses	, 123213	10/11/2022, 4:11:19 AM Administrator	

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2. Click the checkbox next to the name of the policy that you want to clone.

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3. Click Clone in the horizontal menu bar. In the Clone BGP Peer Policy screen, enter information for the following fields in the Enter Name, Description & Tags section.

Configure > SASE > Settings > BGP Peer Policies

Clone BGP Peer Policy

Publish

✓ ENTER POLICY TERM

2 ENTER NAME, DESCRIPTION & TAGS

Name *

Copy of testCreateBGB

Description

Tags

Cancel

Save

Field	Description
Name (Required)	You can retain the name "Copy of <i>policy_name</i> ", or you can enter a new name for the cloned policy.
Description	Enter a text description of the cloned BGP peer policy.
Tags	Enter one or more tags. A tag is an alphanumeric descriptor, with no white spaces or special characters, that you can use to search the objects.

Supported Software Information

Releases 11.3.1 and later support all content described in this article.

Additional Information

[Configure SASE Site-to-Site Tunnels](#)