

Configure ASA IPsec VTI Connection Amazon Web Services

Contents

[Introduction](#)

[Configure AWS](#)

[Configure the ASA](#)

[Verify and Optimize](#)

Introduction

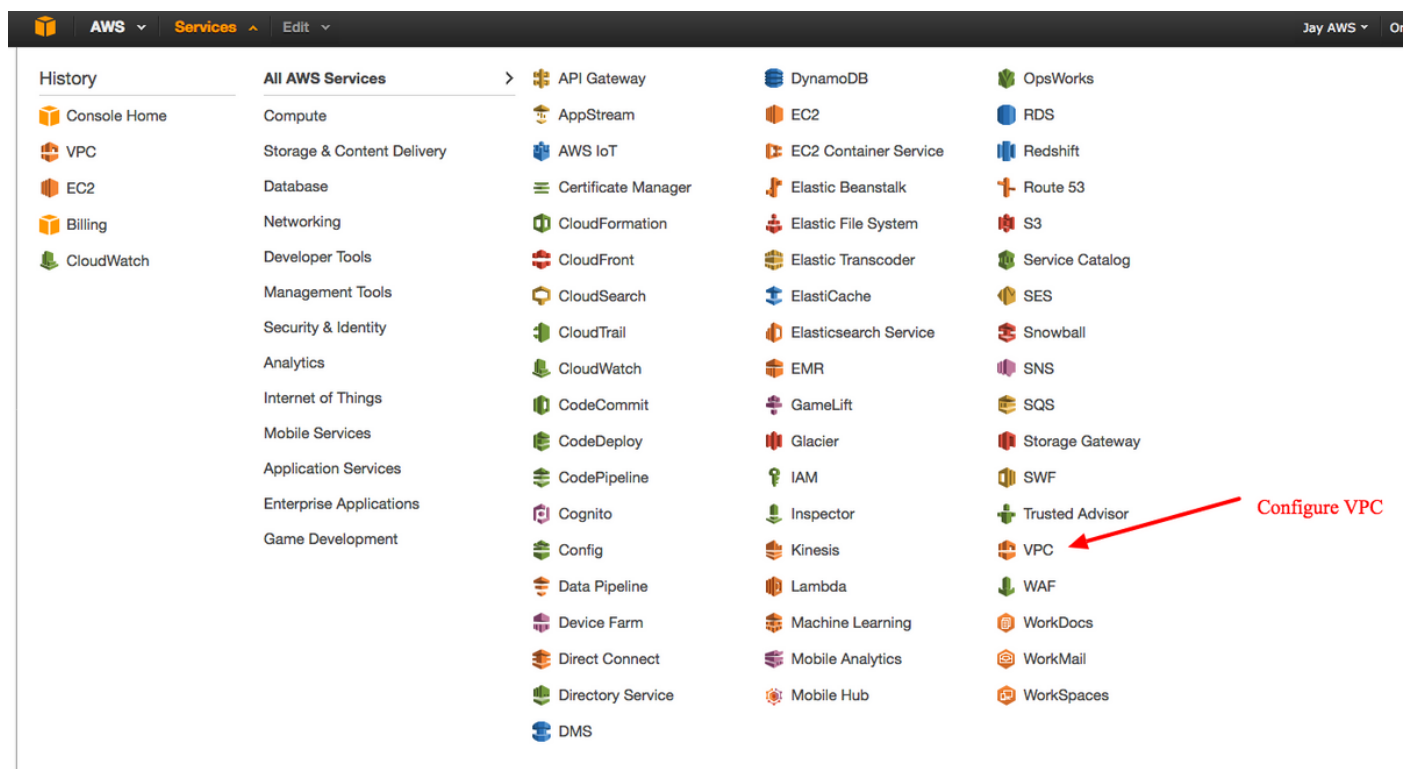
This document describes how to configure an Adaptive Security Appliance (ASA) IPsec Virtual Tunnel Interface (VTI) connection. In ASA 9.7.1, IPsec VTI has been introduced. It is limited to sVTI IPv4 over IPv4 using IKEv1 in this release. This is an example configuration for the ASA to connect to Amazon Web Services (AWS).

Note: Currently VTI is only supported in single-context, routed mode.

Configure AWS

Step 1.

Log in to the AWS console and navigate to the VPC panel.



Navigate to the VPC Dashboard

Step 2.

Confirm that a Virtual Private Cloud (VPC) is already created. By default, a VPC with 172.31.0.0/16 is created. This is where Virtual Machines (VMs) will be attached.

The screenshot shows the AWS VPC Dashboard. On the left, a sidebar lists various VPC-related services, with 'Your VPCs' circled in red. The main content area displays a table of VPCs. The first row shows a VPC with ID 'vpc-e1e00786', State 'available', and CIDR '172.31.0.0/16'. Below the table, the details for this VPC are shown, including its ID, state, CIDR, DHCP options set, route table, and network ACL. A red arrow points from the text 'Default VPC already created' to the '172.31.0.0/16' CIDR value in the table.

Name	VPC ID	State	VPC CIDR	DHCP options set	Route table	Network ACL	Tenancy	Default VPC
	vpc-e1e00786	available	172.31.0.0/16	dopt-58d5b13c	rtb-3a3f9e5d	acl-f6844591	Default	Yes

Default VPC already created

Step 3.

Create a "Customer Gateway". This is an endpoint that represents the ASA.

Field	Value
Name	This is just a human readable name to recognize the ASA.
Tag	This is just a human readable name to recognize the ASA.
Routing	Dynamic - This means that Border Gateway Protocol (BGP) will be used in order to exchange routing information.
IP Address	This is the Public IP address of the ASA's outside interface.
BGP ASN	The Autonomous System (AS) number of the BGP process that runs on the ASA. Use 65000 unless your organization has a public AS number.

The screenshot shows the AWS Management Console interface. On the left is a navigation sidebar with categories like VPC Dashboard, Virtual Private Cloud, Security, and VPN Connections. The main area displays a 'Create Customer Gateway' dialog box. The dialog contains the following text and fields:

Specify the Internet-routable IP address for your gateway's external interface; the address must be static and may be behind a device performing network address translation (NAT). For dynamic routing, also specify your gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN); this can be either a public or private ASN (such as those in the 64512-65534 range).

Fields in the dialog:

- Name tag: ASAVTI
- Routing: Dynamic
- IP address: 192.0.2.1
- BGP ASN: 65000

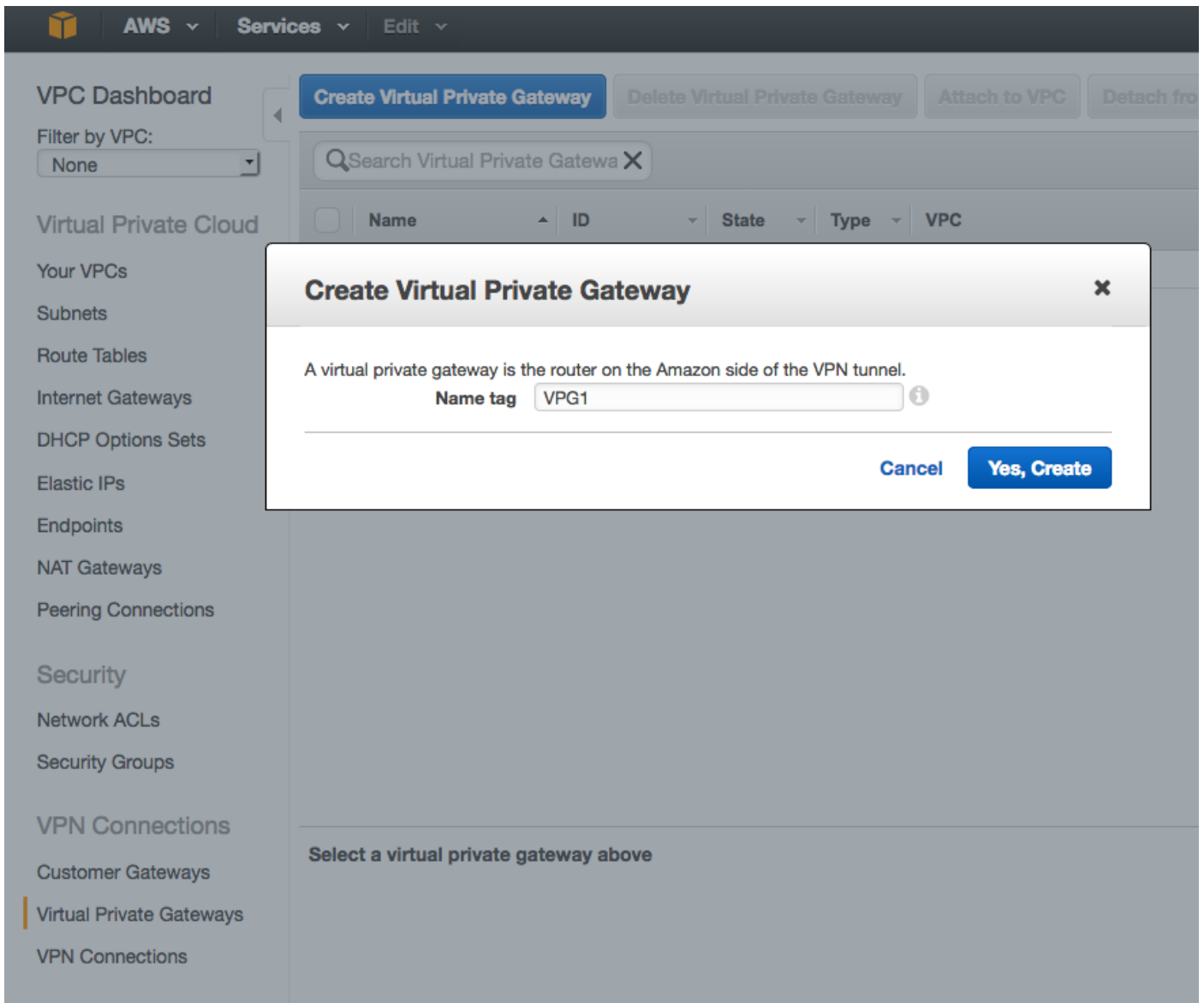
Buttons at the bottom of the dialog are 'Cancel' and 'Yes, Create'. Below the dialog, the details for a Customer Gateway with ID 'cgw-b778a1a9' are shown, including its state (deleted) and other attributes.

Step 4.

Create a Virtual Private Gateway (VPG). This is a simulated router that is hosted with AWS that terminates the IPsec tunnel.

Field Value

Name Tag A human readable name to recognize the VPG.



Step 5.

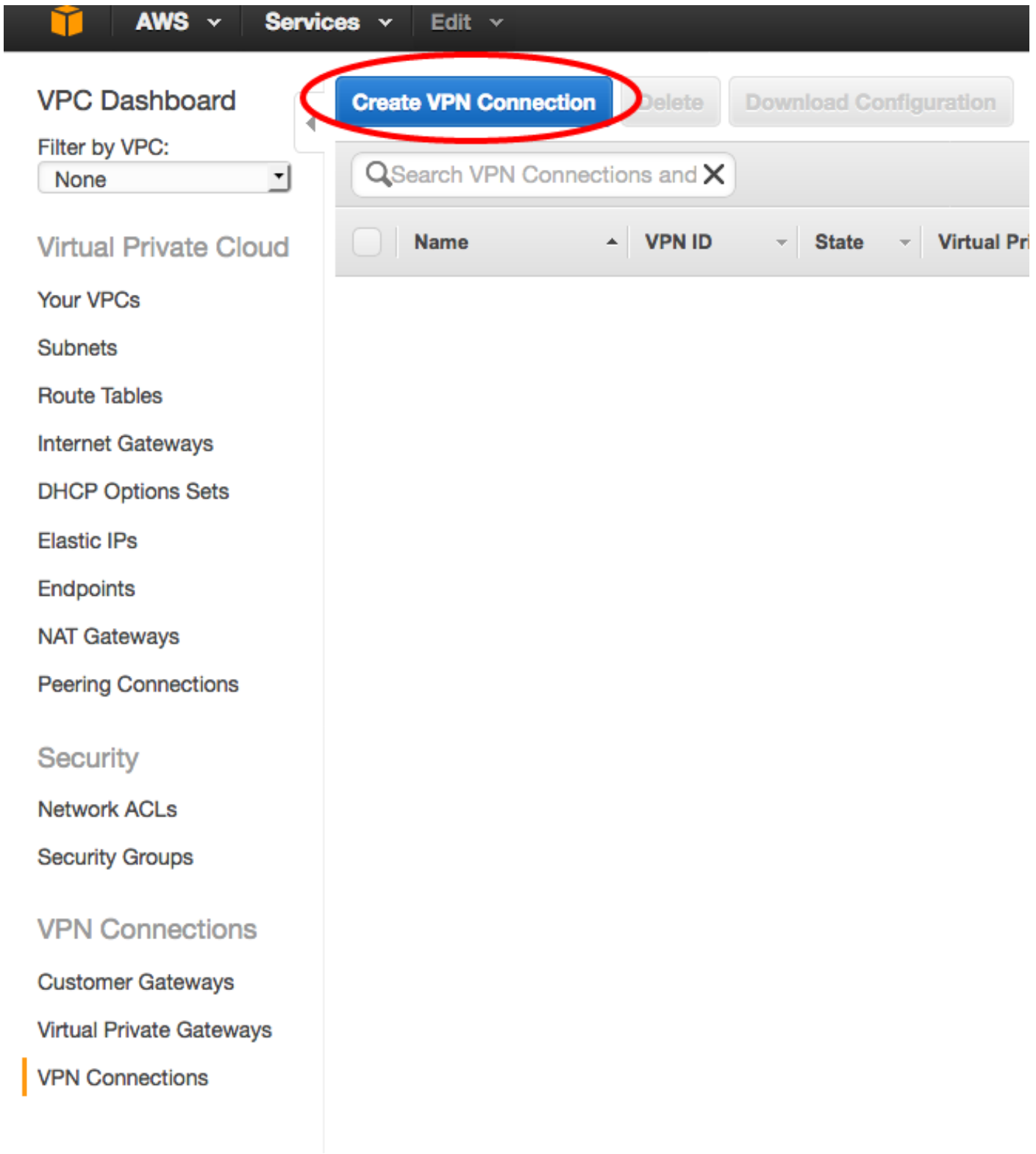
Attach the VPG to the VPC.

Choose the Virtual Private Gateway, click **Attach to VPC**, choose the VPC from the VPC drop-down list, and click **Yes, Attach**.

The screenshot shows the AWS VPC Dashboard. At the top, there are buttons for 'Create Virtual Private Gateway', 'Delete Virtual Private Gateway', 'Attach to VPC', and 'Detach from VPC'. Below these is a search bar and a table of Virtual Private Gateways. The table has columns for Name, ID, State, Type, and VPC. One entry is highlighted: 'VPG1' with ID 'vgw-18954d06', State 'detached', and Type 'ipsec.1'. A red circle highlights the checkbox for this entry. A modal dialog titled 'Attach to VPC' is open, with a close button (X) in the top right. The dialog contains the text 'Select the VPC to attach to the virtual private gateway' and a dropdown menu for 'VPC' with the value 'vpc-e1e00786 (172.31.0.0/16)'. At the bottom of the dialog are 'Cancel' and 'Yes, Attach' buttons. A red arrow points from the 'Attach to VPC' button in the table to the 'Yes, Attach' button in the modal. Below the table, there is a section for 'vgw-18954d06 | VPG1' with tabs for 'Summary' and 'Tags'. The 'Summary' tab is active, showing details: ID: vgw-18954d06 | VPG1, State: detached, Type: ipsec.1, and VPC: (empty).

Step 6.

Create a VPN connection.



Field

Name Tag
Virtual Private Gateway
Customer Gateway
Routing Options

Value

A human readable tag of the VPN connection between AWS and the ASA.
Choose the VPG just created.
Click the **Existing** radio button and choose the gateway of the ASA.
Click the **Dynamic (requires BGP)** radio button.

The screenshot shows the AWS Management Console interface for creating a VPN connection. The left sidebar contains navigation links for VPC Dashboard, Virtual Private Cloud, and various network services. The main content area displays a table of VPN connections, which is currently empty. A modal dialog titled "Create VPN Connection" is open, prompting the user to select a virtual private gateway and a customer gateway. The dialog includes the following fields and options:

- Name tag:** VPNtoASA
- Virtual Private Gateway:** vgw-18954d06 | VPG1
- Customer Gateway:** Existing (selected), cgw-837fa69d (64.100.251.37) | ASAVTI
- Routing Options:** Dynamic (requires BGP) (selected), Static

At the bottom right of the dialog, there are "Cancel" and "Yes, Create" buttons. A note at the bottom of the dialog states: "VPN connection charges apply once this step is complete. [View Rates](#)".

Step 7.

Configure the Route Table to propagate the routes learned from the VPG (via BGP) into the VPC.

AWS Services Edit

VPC Dashboard

Filter by VPC: None

Virtual Private Cloud

Your VPCs

Subnets

Route Tables

Internet Gateways

DHCP Options Sets

Elastic IPs

Endpoints

NAT Gateways

Peering Connections

Security

Network ACLs

Security Groups

VPN Connections

Customer Gateways

Virtual Private Gateways

VPN Connections

Create Route Table Delete Route Table Set As Main Table

Search Route Tables and their

Name	Route Table ID	Explicitly Associat	Main	VPC
<input checked="" type="checkbox"/>	rtb-3a3f9e5d	0 Subnets	Yes	vpc-e1e00786 (172.31.0.0/16)

rtb-3a3f9e5d

Summary Routes Subnet Associations Route Propagation Tags

Cancel Save

Virtual Private Gate way Propagate

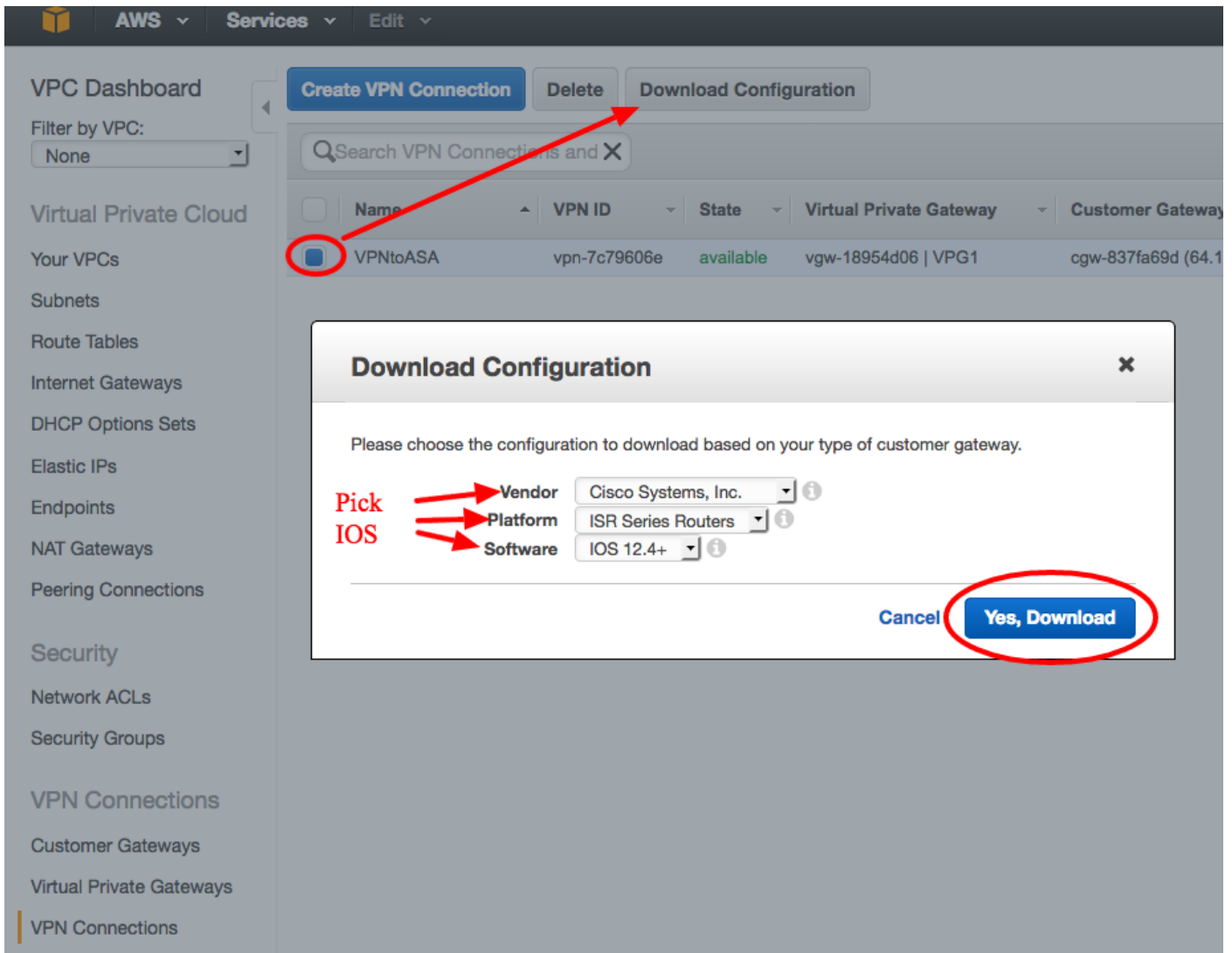
vgw-d19f47cf

vgw-18954d06 | VPG1

Step 8.

Download the suggested configuration. Choose the values below in order to generate a configuration that is a VTI style configuration.

Field	Value
Vendor	Cisco Systems, Inc.
Platform	ISR Series Routers
Software	IOS 12.4+



Configure the ASA

Once you download the configuration there is some conversion necessary.

Step 1.

crypto isakmp policy to crypto ikev1 policy. Only one policy is needed since policy 200 and policy 201 are identical.

Suggested Configuration

```
crypto isakmp policy 200
  encryption aes 128
  authentication pre-share
  group 2
  lifetime 28800
  hash sha
exit
crypto isakmp policy 201
  encryption aes 128
  authentication pre-share
  group 2
```

To

```
crypto ikev1 enable outside
crypto ikev1 policy 10
  authentication pre-share
  encryption aes
  hash sha
  group 2
  lifetime 28800
```

```
lifetime 28800
hash sha
exit
```

Step 2.

crypto ipsec transform-set **to** crypto ipsec ikev1 transform-set. Only one transform-set is needed since the two transform-sets are identical.

Suggested Configuration

```
crypto ipsec transform-set ipsec-prop-vpn-
7c79606e-0 esp-aes 128 esp-sha-hmac
mode tunnel
exit
crypto ipsec transform-set ipsec-prop-vpn-
7c79606e-1 esp-aes 128 esp-sha-hmac
mode tunnel
exit
```

To

```
crypto ipsec ikev1 transfo
set AWS esp-aes esp-sha-hm
```

Step 3.

crypto ipsec profile **to** crypto ipsec profile. Only one profile is needed since the two profiles are identical.

Suggested Configuration

```
crypto ipsec profile ipsec-vpn-7c79606e-0
set pfs group2
set security-association lifetime seconds
3600
set transform-set ipsec-prop-vpn-7c79606e-0
exit
crypto ipsec profile ipsec-vpn-7c79606e-1
set pfs group2
set security-association lifetime seconds
3600
set transform-set ipsec-prop-vpn-7c79606e-1
exit
```

To

```
crypto ipsec profile AWS
set ikev1 transform-set AWS
set pfs group2
set security-association lifet
seconds 3600
```

Step 4.

crypto keyring **and** crypto isakmp profile **need to be converted to a tunnel-group** one for each tunnel.

Suggested Configuration

```
crypto keyring keyring-vpn-7c79606e-0
local-address 64.100.251.37
pre-shared-key address 52.34.205.227 key QZhh90Bjf
exit
!
crypto isakmp profile isakmp-vpn-7c79606e-0
local-address 64.100.251.37
match identity address 52.34.205.227
keyring keyring-vpn-7c79606e-0
exit
```

To

```
tunnel-group
52.34.205.227 type
ipsec-l2l
tunnel-group
52.34.205.227 ipsec-
attributes
ikev1 pre-shared-ke
QZhh90Bjf
isakmp keepalive
threshold 10 retry 1
```

```

!
crypto keyring keyring-vpn-7c79606e-1
 local-address 64.100.251.37
 pre-shared-key address 52.37.194.219 key JjxCWy4Ae
 exit
!
crypto isakmp profile isakmp-vpn-7c79606e-1
 local-address 64.100.251.37
 match identity address 52.37.194.219
 keyring keyring-vpn-7c79606e-1
 exit

```

```

tunnel-group
52.37.194.219 type
ipsec-l2l
tunnel-group
52.37.194.219 ipsec-
attributes
ikev1 pre-shared-ke
JjxCWy4Ae
isakmp keepalive
threshold 10 retry 1

```

Step 5.

The tunnel configuration is almost identical. The ASA does not support the `ip tcp adjust-mss` or the `ip virtual-reassembly` command.

Suggested Configuration

```

interface Tunnell
 ip address 169.254.13.190 255.255.255.252
 ip virtual-reassembly
 tunnel source 64.100.251.37
 tunnel destination 52.34.205.227
 tunnel mode ipsec ipv4
 tunnel protection ipsec profile ipsec-vpn-
7c79606e-0
 ip tcp adjust-mss 1387
 no shutdown
 exit
!
interface Tunnel2
 ip address 169.254.12.86 255.255.255.252
 ip virtual-reassembly
 tunnel source 64.100.251.37
 tunnel destination 52.37.194.219
 tunnel mode ipsec ipv4
 tunnel protection ipsec profile ipsec-vpn-
7c79606e-1
 ip tcp adjust-mss 1387
 no shutdown
 exit

```

To

```

interface Tunnell
 nameif AWS1
 ip address 169.254.13.190
255.255.255.252
 tunnel source interface outside
 tunnel destination 52.34.205.2
 tunnel mode ipsec ipv4
 tunnel protection ipsec profile
AWS
!
interface Tunnel2
 nameif AWS2
 ip address 169.254.12.86
255.255.255.252
 tunnel source interface outside
 tunnel destination 52.37.194.2
 tunnel mode ipsec ipv4
 tunnel protection ipsec profile
AWS

```

Step 6.

In this example, the ASA will only advertise up the inside subnet (192.168.1.0/24) and receive the subnet within AWS (172.31.0.0/16).

Suggested Configuration

```

router bgp 65000
 neighbor 169.254.13.189 remote-as 7224
 neighbor 169.254.13.189 activate
 neighbor 169.254.13.189 timers 10 30 30
 address-family ipv4 unicast
 neighbor 169.254.13.189 remote-as 7224

```

To

```

router bgp 65000
 bgp log-neighbor-changes
 timers bgp 10 30 0
 address-family ipv4 unicast
 neighbor 169.254.12.85
 remote-as 7224

```

```

neighbor 169.254.13.189 timers 10 30 30
neighbor 169.254.13.189 default-originate
neighbor 169.254.13.189 activate
neighbor 169.254.13.189 soft-reconfiguration
inbound
  network 0.0.0.0
  exit
exit
router bgp 65000
neighbor 169.254.12.85 remote-as 7224
neighbor 169.254.12.85 activate
neighbor 169.254.12.85 timers 10 30 30
address-family ipv4 unicast
neighbor 169.254.12.85 remote-as 7224
neighbor 169.254.12.85 timers 10 30 30
neighbor 169.254.12.85 default-originate
neighbor 169.254.12.85 activate
neighbor 169.254.12.85 soft-reconfiguration
inbound
  network 0.0.0.0
  exit
exit
neighbor 169.254.12.85
activate
neighbor 169.254.13.189
remote-as 7224
neighbor 169.254.13.189
activate
network 192.168.1.0
no auto-summary
no synchronization
exit-address-family

```

Verify and Optimize

Step 1.

Confirm the ASA establishes the IKEv1 security associations with the two endpoints at AWS. The state of the SA should be MM_ACTIVE.

```
ASA# show crypto ikev1 sa
```

```
IKEv1 SAs:
```

```

Active SA: 2
Rekey SA: 0 (A tunnel will report 1 Active and 1 Rekey SA during rekey)
Total IKE SA: 2

```

```

1  IKE Peer: 52.37.194.219
   Type      : L2L           Role       : initiator
   Rekey     : no           State      : MM_ACTIVE
2  IKE Peer: 52.34.205.227
   Type      : L2L           Role       : initiator
   Rekey     : no           State      : MM_ACTIVE

```

```
ASA#
```

Step 2.

Confirm the IPsec SAs are installed on ASA. There should be an inbound and outbound SPI installed for each peer and there should be some encaps and decaps counters incrementing.

```
ASA# show crypto ipsec sa
```

```
interface: AWS1
```

```
Crypto map tag: __vti-crypto-map-5-0-1, seq num: 65280, local addr: 64.100.251.37
```

```

access-list __vti-def-acl-0 extended permit ip any any
local ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0)

```

remote ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0)
current_peer: 52.34.205.227

#pkts encaps: 2234, #pkts encrypt: 2234, #pkts digest: 2234
#pkts decaps: 1234, #pkts decrypt: 1234, #pkts verify: 1234
#pkts compressed: 0, #pkts decompressed: 0
#pkts not compressed: 2234, #pkts comp failed: 0, #pkts decomp failed: 0
#pre-frag successes: 0, #pre-frag failures: 0, #fragments created: 0
#PMTUs sent: 0, #PMTUs rcvd: 0, #decapsulated frgs needing reassembly: 0
#TFC rcvd: 0, #TFC sent: 0
#Valid ICMP Errors rcvd: 0, #Invalid ICMP Errors rcvd: 0
#send errors: 0, #recv errors: 0

local crypto endpt.: 64.100.251.37/4500, remote crypto endpt.: 52.34.205.227/4500
path mtu 1500, ipsec overhead 82(52), media mtu 1500
PMTU time remaining (sec): 0, DF policy: copy-df
ICMP error validation: disabled, TFC packets: disabled
current outbound spi: 874FCCF3
current inbound spi : 5E653906

inbound esp sas:

spi: 0x5E653906 (1583692038)
transform: esp-aes esp-sha-hmac no compression
in use settings ={L2L, Tunnel, NAT-T-Encaps, PFS Group 2, IKEv1, VTI, }
slot: 0, conn_id: 73728, crypto-map: __vti-crypto-map-5-0-1
sa timing: remaining key lifetime (kB/sec): (4373986/2384)
IV size: 16 bytes
replay detection support: Y
Anti replay bitmap:
0xFFFFFFFF 0xFFFFFFFF

outbound esp sas:

spi: 0x874FCCF3 (2270153971)
transform: esp-aes esp-sha-hmac no compression
in use settings ={L2L, Tunnel, NAT-T-Encaps, PFS Group 2, IKEv1, VTI, }
slot: 0, conn_id: 73728, crypto-map: __vti-crypto-map-5-0-1
sa timing: remaining key lifetime (kB/sec): (4373986/2384)
IV size: 16 bytes
replay detection support: Y
Anti replay bitmap:
0x00000000 0x00000001

interface: AWS2

Crypto map tag: __vti-crypto-map-6-0-2, seq num: 65280, local addr: 64.100.251.37

access-list __vti-def-acl-0 extended permit ip any any
local ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0)
remote ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0)
current_peer: 52.37.194.219

#pkts encaps: 1230, #pkts encrypt: 1230, #pkts digest: 1230
#pkts decaps: 1230, #pkts decrypt: 1230, #pkts verify: 1230
#pkts compressed: 0, #pkts decompressed: 0
#pkts not compressed: 1230, #pkts comp failed: 0, #pkts decomp failed: 0
#pre-frag successes: 0, #pre-frag failures: 0, #fragments created: 0
#PMTUs sent: 0, #PMTUs rcvd: 0, #decapsulated frgs needing reassembly: 0
#TFC rcvd: 0, #TFC sent: 0
#Valid ICMP Errors rcvd: 0, #Invalid ICMP Errors rcvd: 0
#send errors: 0, #recv errors: 0

local crypto endpt.: 64.100.251.37/4500, remote crypto endpt.: 52.37.194.219/4500
path mtu 1500, ipsec overhead 82(52), media mtu 1500
PMTU time remaining (sec): 0, DF policy: copy-df

```
ICMP error validation: disabled, TFC packets: disabled
current outbound spi: DC5E3CA8
current inbound spi : CB6647F6
```

inbound esp sas:

```
spi: 0xCB6647F6 (3412477942)
transform: esp-aes esp-sha-hmac no compression
in use settings =(L2L, Tunnel, NAT-T-Encaps, PFS Group 2, IKEv1, VTI, )
slot: 0, conn_id: 77824, crypto-map: __vti-crypto-map-6-0-2
sa timing: remaining key lifetime (kB/sec): (4373971/1044)
IV size: 16 bytes
replay detection support: Y
Anti replay bitmap:
0xFFFFFFFF 0xFFFFFFFF
```

outbound esp sas:

```
spi: 0xDC5E3CA8 (3697163432)
transform: esp-aes esp-sha-hmac no compression
in use settings =(L2L, Tunnel, NAT-T-Encaps, PFS Group 2, IKEv1, VTI, )
slot: 0, conn_id: 77824, crypto-map: __vti-crypto-map-6-0-2
sa timing: remaining key lifetime (kB/sec): (4373971/1044)
IV size: 16 bytes
replay detection support: Y
Anti replay bitmap:
0x00000000 0x00000001
```

Step 3.

On the ASA, confirm that BGP connections are established with AWS. The State/PfxRcd counter should be 1 as AWS advertises the 172.31.0.0/16 subnet towards the ASA.

```
ASA# show bgp summary BGP router identifier 192.168.1.55, local AS number 65000 BGP table
version is 5, main routing table version 5 2 network entries using 400 bytes of memory 3 path
entries using 240 bytes of memory 3/2 BGP path/bestpath attribute entries using 624 bytes of
memory 1 BGP AS-PATH entries using 24 bytes of memory 0 BGP route-map cache entries using 0
bytes of memory 0 BGP filter-list cache entries using 0 bytes of memory BGP using 1288 total
bytes of memory BGP activity 3/1 prefixes, 4/1 paths, scan interval 60 secs Neighbor V AS
MsgRcvd MsgSent TblVer InQ OutQ Up/Down State/PfxRcd 169.254.12.85 4 7224 1332 1161 5 0 0
03:41:31 1 169.254.13.189 4 7224 1335 1164 5 0 0 03:42:02 1
```

Step 4.

On the ASA, verify that the route to 172.31.0.0/16 has been learned via the tunnel interfaces. This output shows that there are two paths to 172.31.0.0 from peer 169.254.12.85 and 169.254.13.189. The path towards 169.254.13.189 out Tunnel 2 (AWS2) is preferred because of the lower metric.

```
ASA# show bgp BGP table version is 5, local router ID is 192.168.1.55 Status codes: s
suppressed, d damped, h history, * valid, > best, i - internal, r RIB-failure, S Stale, m
multipath Origin codes: i - IGP, e - EGP, ? - incomplete Network Next Hop Metric LocPrf Weight
Path * 172.31.0.0 169.254.12.85 200 0 7224 i *> 169.254.13.189 100 0 7224 i *> 192.168.1.0
0.0.0.0 0 32768 i ASA# show route Codes: L - local, C - connected, S - static, R - RIP, M -
mobile, B - BGP D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area N1 - OSPF NSSA
external type 1, N2 - OSPF NSSA external type 2 E1 - OSPF external type 1, E2 - OSPF external
type 2, V - VPN i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2 ia - IS-IS
inter area, * - candidate default, U - per-user static route o - ODR, P - periodic downloaded
static route, + - replicated route Gateway of last resort is 64.100.251.33 to network 0.0.0.0 S*
0.0.0.0 0.0.0.0 [1/0] via 64.100.251.33, outside C 64.100.251.32 255.255.255.224 is directly
connected, outside L 64.100.251.37 255.255.255.255 is directly connected, outside C
169.254.12.84 255.255.255.252 is directly connected, AWS2 L 169.254.12.86 255.255.255.255 is
directly connected, AWS2 C 169.254.13.188 255.255.255.252 is directly connected, AWS1 L
169.254.13.190 255.255.255.255 is directly connected, AWS1 B 172.31.0.0 255.255.0.0 [20/100] via
169.254.13.189, 03:52:55 C 192.168.1.0 255.255.255.0 is directly connected, inside L
192.168.1.55 255.255.255.255 is directly connected, inside
```

Step 5.

In order to ensure that traffic which returns from AWS follows a symmetric path, configure a route-map to match the preferred path and adjust BGP to alter the advertised routes.

```
route-map toAWS1 permit 10
  set metric 100
  exit
!
route-map toAWS2 permit 10
  set metric 200
  exit
!
router bgp 65000
  address-family ipv4 unicast
    neighbor 169.254.12.85 route-map toAWS2 out
    neighbor 169.254.13.189 route-map toAWS1 out
```

Step 6.

On the ASA, confirm that 192.168.1.0/24 is advertised to AWS.

```
ASA# show bgp neighbors 169.254.12.85 advertised-routes BGP table version is 5, local router ID
is 192.168.1.55 Status codes: s suppressed, d damped, h history, * valid, > best, i - internal,
r RIB-failure, S Stale, m multipath Origin codes: i - IGP, e - EGP, ? - incomplete Network Next
Hop Metric LocPrf Weight Path * > 172.31.0.0 169.254.13.189 100 0 7224 i * > 192.168.1.0 0.0.0.0 0
32768 i Total number of prefixes 2 ASA# show bgp neighbors 169.254.13.189 advertised-routes BGP
table version is 5, local router ID is 192.168.1.55 Status codes: s suppressed, d damped, h
history, * valid, > best, i - internal, r RIB-failure, S Stale, m multipath Origin codes: i -
IGP, e - EGP, ? - incomplete Network Next Hop Metric LocPrf Weight Path * > 192.168.1.0 0.0.0.0 0
32768 i Total number of prefixes 1
```

Step 7.

In AWS, confirm that the tunnels for the VPN connection are UP and routes are learned from the peer. Also check that the route has been propagated into the routing table.

The screenshot shows the AWS VPC console for a VPN connection named 'VPNtoASA'. The VPN ID is 'vpn-7c79606e' and it is in an 'available' state. The VPN tunnels are listed in a table with the following details:

VPN Tunnel	IP Address	Status	Status Last Changed	Details
Tunnel 1	52.34.205.227	UP	2016-10-18 14:23 UTC	1 BGP ROUTES
Tunnel 2	52.37.194.219	UP	2016-10-18 14:23 UTC	1 BGP ROUTES

The 'Status' column for both tunnels is circled in red, and the 'Details' column for both tunnels is also circled in red, indicating that the tunnels are up and have learned BGP routes.



VPC Dashboard

Filter by VPC:

None

Virtual Private Cloud

Your VPCs

Subnets

Route Tables

Internet Gateways

DHCP Options Sets

Elastic IPs

Endpoints

NAT Gateways

Peering Connections

Security

Network ACLs

Security Groups

VPN Connections

Customer Gateways

Virtual Private Gateways

VPN Connections

Create Route Table

Delete Route Table

Set As Main Table

Search Route Tables and their

<input type="checkbox"/>	Name	Route Table ID	Explicitly Associat	Main	VPC
<input checked="" type="checkbox"/>		rtb-3a3f9e5d	0 Subnets	Yes	vpc-e1e00786 (172.31.0.0/16)

rtb-3a3f9e5d

Summary

Routes

Subnet Associations

Route Propagation

Tags

Edit

Destination	Target	Status	Propagated
172.31.0.0/16	local	Active	No
0.0.0.0/0	igw-e5ad1481	Active	No
192.168.1.0/24	vgw-18954d06	Active	Yes