# **Configuration Guide**



# **Overview**

This document describes how to implement IPsec with pre-shared secrets establishing a siteto-site VPN tunnel between the D-Link DSR-1000AC and the Juniper SSG20. The screenshots in this document are from firmware version 3.10 of the DSR-1000AC and firmware version 6.3.0r24 (Released in June 2017) of the Juniper SSG20. If you are using an earlier version of the firmware, the screenshots may not be identical to what you see in your browser.



# Situation note

Site-to-site VPNs can be implemented in an enterprise to allow access and the exchange of data between two or more geographically separated sites or offices. Once the site-to-site VPN has been set up, the clients in the groups of the different sites can communicate as if they are on the same internal network. Because companies may have other gateways that are not D-Link products, this document can be used to create IPsec VPN tunnels between the DSR router and other existing gateway appliances.



### IP addresses:

DSR WAN: **1.1.1.2/30** DSR LAN: **192.168.10.1/24** 

Juniper\_SSG20 Untrust\_Zone(e0/0): **2.2.2.2/30** Juniper\_SSG20 Trust\_Zone(e0/3): **192.168.1.1/24** 

#### **IPsec Parameters:**

IPsec Mode: **Tunnel Mode** IPsec Protocol: **ESP** Phase1 Exchange Mode: **Main** Phase1 Encryption: **3DES** Phase1 Authentication: **SHA1** Phase1 Authentication Method: **Pre-Shared Key**  Diffie-Hellman Group: **G2** Phase1 Lifetime: **28800 sec** Phase2 Encryption: **3DES** Phase2 Authentication: **SHA1** Phase2 Lifetime: **3600 sec** 

# Configuration Step

#### DSR Settings

Set up the WAN IP address. Navigate to: Internet Settings > WAN1 Settings > WAN1 Setup.
 Fill in the relevant information based on the settings of the topology. The IP Address of the ISP Connection
 Type field is the IP address of the external network connection shown as point "c" in the topology. Click the button "Save" button to complete the WAN IP address setting.

rmation etc. This information is usu	Ily provided by your ISP or network administrator.
4 WAN1 Settings	
/AN1 Setup	
Connection Type	Static IP
Enable VLAN Tag	OFF
tatic IP	
IP Address	1.1.1.2
IP Subnet Mask	255.255.255.252
Gateway IP Address	1.1.1.1
omain Name System (DNS) Serve	rs
Primary DNS Server	168.95.1.1
Secondary DNS Server	8.8.8.8
AC Address	
MAC Address Source	● Use Default MAC  ○ Clone your PC's MAC  ○ Use this MAC
ort Setup	
MTU Size	Default     Custom
Port Speed	Auto Sense

2. Set up the IPsec policy. Navigate to: VPN Settings > IPsec > IPsec Policies.

Press the "Add New IPsec Policy" button to create a new policy. In the General section, fill in the relevant information. The IP address of the **Remote Endpoint** refers to the external connection of the Juniper SSG20, which is shown as the point "f" in the topology. The internal IP address range, which is indicated by the Local Start IP Address, is the IP range allowed access to the remote network group over the VPN, which indicated by the IP information on **Remote Start IP Address**, is the IP range reachable through the VPN tunnel with the Juniper SSG20.

D-I Unified S	ink ervices Router						Log	ged in as: add Serial:		ADMIN )   1G1000007	Language   Firmwa Wizard	: English [L are: 3.10_W System	JS] /W Searc	() Logo h	ut Q
	🕜 Status		🛜 Wireless	1	📃 Netwo	rk d	ଲ୍ <mark>ଧ</mark> ଏ	ри 🔒			0°				
VPN » IPSer This page sh from this pa Note: Policy IPSec Poli	over the list of co ge. with "" represent icies List	ts a Cl	ed IPsec VPN po ient Policy. on record to get (	licies o	the route	r. Auser c	an also	add, delete	, edi	it, enable,	disable a	and export	IPsec	VPN pol	icies
Status	O Name	θ	Backup Tunnel Name	ө Ту	pe ⊕	IPSec Mode	Ð	Local	Θ	Remote	÷	Auth	Θ	Encr	÷
					No d	ata available	e in tabl	e							
Showing 0 to	0 of 0 entries										First	I Previous	Nex	t 🔪 La	st 刘

PSec Policy Configuration		×
General		^
Policy Name	IPSec1	
Policy Type	Auto Policy	
IP Protocol Version	IPv4	
IKE Version	IKEv1	
L2TP Mode	None	
IPSec Mode	Tunnel Mode	
Select Local Gateway	Dedicated WAN	
Remote Endpoint	IP Address	
IP Address / FQDN	2.2.2.2 ×	
Enable Mode Config	OFF	
5 11 N 19165		Save

Sec Policy Configuration		×
Enable Mode Config	OFF	
Enable NetBIOS	OFF	
Enable RollOver	OFF	
Protocol	ESP	
Enable DHCP	OFF	
Local IP	Subnet	
Local Start IP Address		
Local Subnet Mask		
Remote IP	Subnet	
Remote Start IP Address	192.168.1.0	
Remote Subnet Mask	255.255.255.0 ×	
Enable Keepalive	OFF	

In the Phase 1 section, fill in the relevant information. Please notice that the **Pre-shared Key** must be the same as the pre-shared key that will be entered into the Juniper SSG20 later.

hase1(IKE SA Parameters)					
Exchange Mode	Main	-			
	Wall	•			
Direction / Type	Both	•			
Nat Traversal	ON III				
NAT Keep Alive Frequency	20	S	econds		
Local Identifier Type	Local War	IP V			
Remote Identifier Type	Remote W	an IP 🔻			
Encryption Algorithm					
DES	OFF	3DES		ON III	
AES-128	OFF	AES-192		OFF	
AES-256	OFF				
BLOWFISH	OFF				
					Save
					Save
Sec Policy Configuration					Save
Sec Policy Configuration					Save
Sec Policy Configuration					Save
Sec Policy Configuration Authentication Algorithm MD5	U. OFF	SHA-1		ON III	Save
Sec Policy Configuration	OFF OFF	SH A-1 SH A2-384			Save
Gec Policy Configuration Authentication Algorithm MD5 SHA2-256 SHA2-512	OFF OFF	SHA-1 SHA2-384		CK OF	Save
Gec Policy Configuration Authentication Algorithm MD5 SHA2-256 SHA2-512 Authentication Method	orr orr orr Pre-Share	SHA-1 SHA2-384 d Key ¥		Cri Tali	Save
Sec Policy Configuration Authentication Algorithm MD5 SHA2-256 SHA2-512 Authentication Method Pre-Shared Key	005 007 007 Pre-Share 12345678	SHA-1 SHA2-384 d Key V	.ength: 8 - 49]	Cet The Cet	Save
Sec Policy Configuration Authentication Algorithm MD5 SHA2-256 SHA2-512 Authentication Method Pre-Shared Key Diffie-Hellman (DH) Group	orr orr Pre-Share 12345678	SHA-1 SHA2-384 d Key • [L	.ength: 8 - 49]	Cri Tin Tin Off	Save
Sec Policy Configuration Authentication Algorithm MD5 SHA2-256 SHA2-512 Authentication Method Pre-Shared Key Diffie-Hellman (DH) Group Salifetime	005 005 007 Pre-Share 12345678 Group 2 (1 28800	SHA-1 SHA2-384 d Key • 024 bit) •	.ength: 8 - 49]	or or	Save
Sec Policy Configuration Authentication Algorithm MD5 SHA2-256 SHA2-512 Authentication Method Pre-Shared Key Diffie-Hellman (DH) Group SA-Lifetime	005 005 007 Pre-Share 12345678 Group 2 (1 28800	SHA-1 SHA2-384 d Key • 024 bit) • [Range: 300 - 21474830	Length: 8 - 49] 647] Seconds	or or	Save
Sec Policy Configuration Authentication Algorithm MD5 SHA2-256 SHA2-512 Authentication Method Pre-Shared Key Diffie-Hellman (DH) Group SA-Lifetime Enable Dead Peer Detection	orr orr Pre-Share 12345678 Group 2 (1 28800	SHA-1 SHA2-384 d Key • 024 bit) • [Range: 300 - 21474830	Length: 8 - 49] 647] Seconds	Cti Ger	Save
Authentication Algorithm MD5 SHA2-256 SHA2-512 Authentication Method Pre-Shared Key Diffie-Hellman (DH) Group SA-Lifetime Enable Dead Peer Detection Extended Authentication	orr orr Pre-Share 12345678 Group 2 (1 28800 orr None	SHA-1 SHA2-384 d Key • [[ 024 bit] • ] [Range: 300 - 21474830 •	Length: 8 - 49] 647] Seconds	Ct GF	Save
Authentication Algorithm MD5 SHA2-256 SHA2-512 Authentication Method Pre-Shared Key Diffie-Hellman (DH) Group SA-Lifetime Enable Dead Peer Detection Extended Authentication hase2-(Auto Policy Parameters)	OFF OFF OFF 12345678 Group 2 (1 28800 OFF None	SHA-1 SHA2-384 d Key • 024 bit) • [Range: 300 - 21474836 •	Length: 8 - 49] 647] Seconds	Of OF	Save

In the Phase 2 section, fill in relevant information.

hase2-(Auto Policy Paramet	ers)			
SA Lifetime	28800	Seconds 🔻		
Encryption Algorithm				
DES	OFF	None	OFF	
3 DES	ON III	AES-128	OFF	
AES-192	OFF	AES-256	OFF	
TWOFISH (128)	OFF	TWOFISH (192)	OFF	
TWOFISH (256)	OFF			
BLOWFISH	OFF			
CAST128	OFF			
ntegrity Algorithm				
M D 5	OFF	SHA-1	ON III	

Click the "Save" button to complete the IPsec Policy settings.

VPN » IPSec \	/PN » Polici	es						0
This page shows the list of configured IPsec VPN policies on the router. A user can also add, delete, edit, enable, disable and export IPsec VPN policies from this page. Note: Policy with "" represents a Client Policy.								
IPSec Polic	les List							
Show 10	• entries [	Right click on re	cord to get more	options ]				٩
Status 🕁	Name ⊖	Backup Tunnel ⊖ Name	Туре	IPSec Mode ⊖	Local Ə	Remote ⊖	Auth ⊖	Encr ⊖
Enabled	IPSec1	None	Auto Policy	Tunnel Mode	192.168.10.0/255.255.255.0	192.168.1.0/255.255.255.0	SHA1	3DES
Showing 1 to 1 Add New	of 1 entries	cy				K First Previous	1 Next >	Last 刘

**3.** Check the VPN status. Navigate to: Status > Active VPNs.

The activity will be shown in the list as the tunnel is established with the other side.

Status » Network Informati	on » Active VPNs » IPsec	SAs			0
IPsec SAs SSL VPN	Connections PPTP VPN	Connections Open V	PN Connections   L2TP VP	PN Connections GRE Tunnel Statu	IS
This page lists current es	tablished IPsec Security A	associations.			
Active IPSec SAs List					
Show 10 v entries [	Right click on record to get r	nore options ]			٩
Policy Name	Endpoint	\ominus tx (KB)	⊖ tx (Packets)	⊖ State	⇔
IPSec1	2.2.2.2	19.36	167	IPsec SA Established	
Showing 1 to 1 of 1 entries				K First Previous 1 Ne:	kt 🔪 Last 🔀

## Juniper\_SSG20 Settings

 Set up the Untrust\_Zone (WAN port) and Trust\_Zone (LAN port) IP addresses. Navigate to: Network > Interfaces > List. Click "Edit".

	Network > Interfaces (List)						ssg20	?
Juniper	Live 20 per page List ALL(9) Thterfaces						New Tunne	I IF 🗸
SSC20	Name	IP/Netmask	Zone	Туре	Link	PPPoE	Configure	
	bgroup0	192.168.1.1/24	Trust	Layer3	Up	-	Edit	
-Home ^	ethernet0/2				Up	-	Edit	_
Configuration	ethernet0/3				Down	-	Edit	
<u>Date/Time</u>	ethernet0/4		ĺ		Down	-	Edit	
<u>Update</u> Admin	bgroup1	0.0.0.0/0	Null	Unused	Down	-	Edit	
Auth	bgroup2	0.0.0.0/0	Null	Unused	Down	-	Edit	
Infranet Auth	baroup3	0.0.0.0/0	Null	Unused	Down	-	Edit	
<u>Report Settings</u>	ethernet0/0	2.2.2/30	Untrust	Layer3	Up	-	Edit	
- <u>Network</u>	ethernet0/1	0.0.0.0/0	DMZ	Layer3	Down	-	Edit	
+ DNS	serial0/0	0.0.0.0/0	Null	Unused	Down	-	Edit	
Zones	tunnel.1	unnumbered	Trust	Tunnel	Up	-	Edit	
Interfaces	vlan1	0.0.0.0/0	VLAN	Layer3	Down	-	Edit	
List Backup DHCP • 802.1X • Routing • PPP • DSCP • Security • Pealer								

Configure the Untrust\_Zone interface with the relevant information as below. The **IP Address/ Netmask** of the Basic tab is the IP address of external network connection, which is shown as point "f" in the topology. Click the "**OK**" button to finish this configuration.

Network > Interfaces > Edit	ssg20 ?
Interface: ethernet0/0 (IP/Netmask: 2.2.2.2/30)	Back To Interface List
Properties: Basic Proxy ARP Phy MIP DIP VIP IGMP Monitor 802.1X IRDP	
Interface Name ethernet0/0 0014.1566.70c0 Zene Name Untrust	
Obtain IP using DHCP         Automatic update DHCP server parameters           Obtain IP using PPPoE         None          Create new paper setting	
Static IP     IP Address / Netmask 2222 / 30     Manageable     Manage IP * 2222 0014.f666.70c0	
Interface Mode 💿 NAT 💿 Route Block Intra-Subnet Traffic 🗌	
Service Options           Management Services         Web UI         Telnet         SSH           SMMP         SSL	
Other Services Ping Path MTU(IFv4) Ident-reset	
Maximum Transfer Unit(MTU) Admin MTU 0 Bytes (Operating MTU: 1500; Default MTU: 1500)	
DNS Proxy	
NTP Server	
WebAuth     IP Address     0.00.0     SSL Only       G-ARP	
Traffic Bandwidth Egress Maximum Bandwidth 0 Kbps	
Ingress Maximum Bandwidth 0 Kbps	
VRP 🗌	
Admin Status Up 🗹	
OK Apply Cascel	

Configure Trust\_Zone interface with the relevant information as below. The **IP Address/ Netmask** of the Basic tab is the IP address of the internal network connection, which is shown as point "**g**" in the topology. Click the "**OK**" button to finish this configuration.

Network > Interfaces > Edit	ssg20 ?
Interface: bgroup0 (IP/Netmask: 192.168.1.1/24)	Back To Interface List
Properties: Basic Proxy ARP Bind Port MIP DIP VIP Secondary IP IGMP Monitor IRDP	
Interface Name baroua0 0014.6565.70c9 Zone Name Trust V	
Obtain IP using DHCP Automatic update DHCP server parameters	
Obtain IP using PPPoE None Create new pppoe setting	
<ul> <li>Static IP</li> <li>IP Address / Netmask 192.162.1.1 / 14</li> <li>Manageable</li> <li>Manage IP * 192.162.1.1 0014./6665.7029</li> </ul>	
Interface Mode   NAT   Route	
Block Intra-Subnet Traffic	
Service Options	
Management Services V Web UI V Telnet V SSH	
Other Services 🗹 Ping 🔷 Path MTU(IPv4)	
Maximum Transfer Unit(HTU) Admin MTU 0 Bytes (Operating MTU: 1500; Default MTU: 1500)	
DNS Proxy	
NTP Server	
WebAuth IP Address 00000 SSL Only	
G-ARP 🗹	
Traffic Bandwidth Egress Maximum Bandwidth 0 Kbps	
Ingress Maximum Bandwidth 0 Kbps	
Admin Status Up 🔽	
OK Apply Cancel	

## 2. Add a Tunnel Interface. Navigate to: Network > Interfaces > List.

Select "TunnelIF" from the scroll down menu. Press the "New" button to create a new tunnel interface.

Network > Interfaces (List)	ssg20 💡
List 20 V per page	
List ALL(9) VInterfaces	New Tunnel IF

#### Configure the relevant settings as below.

N	etwork > Interfaces > Edit	ssg20
I	nterface: tunnel.1 (IP/Netmask: 0.0.0.0/0)	Back To Interface List
P	roperties: Basic Proxy ARP MIP DIP VIP IGMP NHTB Tunnel IRDP	
	Tunnel Interface Name tunnel.1       Zone (VR)	
	O Fixed IP IP Address / Netmask 0000 / 0	
	● Unnumbered Interface ethernet0/0 (trust-vr) ∨	
	Maximum Transfer Unit(MTU) Admin MTU 0 Bytes (Operating MTU: 1500; Default MTU: 1500)	
	DNS Proxy	
	Traffic Bandwidth Egress Maximum Bandwidth 0 Kbps	
	Guaranteed Bandwidth 0 Kbps	
	Ingress Maximum Bandwidth 0 Kbps	
	NHRP Enable	
	ACVPN Dynamic Routing	
	Admin Status Up 🛛 🗹	
	OK Apply Cancel	

**3.** Add an IPsec Remote Gateway. Navigate to: VPNs > AutoKey Advanced > Gateway.

Press the "**New**" button and fill in relevant information as below.

	VPNs > AutoKey Advanced > Gateway > Edit	ssg20	?
ssg20	Gateway Name DIR Version • (KEyL ) KEy2		
Auth     Infranet Auth     Report Settings	Remote Gateway     Jo Static IP Address     Jostatic TP Address     Jostatic TP Address     Descript 19 Address     Descript 19 Address		
Binding DNS Zones	O bislup User Croup Group Sroup		
□ Interfaces List Backup	ACVPH-Dynamic Local ID [DromgathedNam]		
<u>DHCP</u> • <u>802.1X</u> • <u>Routing</u> • <u>PPP</u> <u>DSCP</u>	OK Cased Afrances		
Security     Security     Policy     VPNs     Ante K and WE			
AutoKey IKE AutoKey Advances <u>Gateway</u> <u>P1 Proposal</u> <u>P2 Proposal</u> XAuth Settings			

Press the "**Advanced**" button to configure the preshared key setting. Fill in the relevant information as below. Insert the **Pre-shared Key**, which is the same as the one previously entered in the DSR-1000AC.

TKEy2 Auth M	Method								
ANG VZ AUGI M	Self No	one 🗸							
	Peer No	one 🗸							
Duoc									
(16	Level TD	(aption)							
Outgoing	g Interface eth	ernet0/0	= /						
Security Level	- -								
	Predefined ()	Standard 🔾 Compa	batible Basic						
Us	ser Defined 🖲	Custom							
	Ph	ase 1 Proposal							
	P	ore-g2-3des-sha	✓ pre-g2-aes128-sha ✓ None ✓ None ✓						
		Mode (Initiator)							
Enable NAT-T	Traversal								
	ind tersor	UDP Checksum							
	к	Reepalive Frequency	0 Seconds (0~300)						
Peer Status Detec	ction								
Heartbeat		Hello	Seconds (1~3600, 0: disable)						
		Reconnect	t 0 Seconds (60~9999, 0: default)						
		Threshold	(2-999)						
O DPD		Interval	1 0 Seconds (3~28800, 0: disable)						
		Retry	() (1~12/)						
		Always Send	J (60x9989) Excende _0 Dirable						
Proformad Contifica	ate(optional)	Reconnect Interval	n o (dor-555) decinds, o bisable						
	,	Local Cert	t None						
		Peer CA	None V						
		Peer Type	× X509-SIG V						
	ished Name for	Peer ID							
C Ose Distinguis	ished Mame for	CN							

 Create a new VPN tunnel. Navigate to: VPNs > AutoKey IKE. Press the "New" button.

	PNs > AutoKey IKE					2	sg20	?
	.ist 20 V per page						6	
								New
SSG20	Name	Gateway	Security	Monitor		Configure		
Update	ipsec_1	DSR	Custom	On	Edit	Proxy ID	Remo	ve
Admin ^								
Infranet Auth								
Report Settings								
Network								
+ DNS								
Zones								
Interfaces								
Backup								
DHCP								
■ <u>802.1X</u>								
+ DDD								
DSCP								
+ Security								
Policy								
AutoKey IKE								
AutoKey Advanced								
Gateway D1 Droposal								

Fill in relevant information as below.

VPN Name	[jpsc_1
Remote Gateway	Predefined     DSR
	Create a Simple Gateway
	Gateway Name
	Version   IKEv1  IKEv2
	Type O Static IP Address/Hostname
	O Dynamic IP Peer ID
	O Dialup User User None 🗸
	O Dialup Group Group None 🗸
	Local ID (optional)
	Preshared Key Use As Seed
	Security Level  Standard  Compatible  Basic
	Outgoing Interface ethernet0/0 🗸
ACVPN-Dynamic	Gateway None V Tunnel Towards Hub None V
ACVPN-Profile	Binding to Tunnel None
	OK Cancel Advanced

Press the "Advanced" button and configure the settings as below and click "Return".

Security Level		
Predefined	🔘 Standard 🔘 Compatible 🔘 Basic	
User Defined	Custom	
	Phase 2 Proposal	
	nopfs-esp-3des-sha 🗸 None 🗸 None	V None V
Replay Protection		
Transport Mode		
Bind to	None	
	Tunnel Interface	tunnel.1 🗸
	O Tunnel Zone	Untrust-Tun V
Proxy-ID Check	۱ <u> </u>	
DSCP Marking	J 🔿 Disable	
	Enable	Dscp Value 0
VPN Group	None V	Weight 0
VPN Monitor	. 🗸	
Source Interface	default 🗸	
Destination IF	default	
Optimized		
Rekey		
	Return Cancel	
( )		

#### Click "Proxy ID".

1	/PNs > AutoKey IKE					S	sg20 ?
	ist 20 🗸 per page						
							New
	Name	Gateway	Security	Monitor		Configure	
	ipsec_1	DSR	Custom	On	Edit	Proxy ID	Remove
						0	

The internal IP address range, indicated by the **Local IP/ Netmask** field, is the range of addresses allowed access to the remote network over the VPN, and the remote network range, indicated by **Remote IP/ Netmask** field, is the IP address range reachable through the VPN with the DSR-1000AC.

VPN Name		ipsec_1
Local	◯ Local IP IP ● Local Address Zon	:/ he: Untrust V Address: 192.168.10.0/24 V
Remote	Remote IP     IP     Remote Address     Zor	: Untrust V Address: 192.168.10.0/24 V
Service	ANY	v
		New Cancel

**5.** Create the Routings. Navigate to: Network > Routing > Destination.

Select "trust-vt" from the drop-down menu on the top left corner. Press the "New" button.

		_	Network >	Routii	ng > Routing Entries									ssg20 ?
			List 20 V per page											
	uniper		List route	List route entries for [All virtual routers V ]								vr 🗸 New		
				_										
	SSG20	ų –		trus	st-vr									
Upd	ate				IP/Netmask	Gateway	Interface	Protocol	Preference	Metric	Vsys	Description	Contigure	
Adm	<u>1111</u>	1		*	192.168.1.0/24		bgroup0	с			Root		-	
Aut	1 mot Auth			*	192.168.1.1/32		bgroup0	н			Root		-	
t Ren	ort Settings			*	2.2.2.0/30		ethernet0/0	с			Root		-	
Network	s			*	2.2.2.2/32		ethernet0/0	н			Root		-	
Bind	ling			*	1.1.1.0/30	2.2.2.1	ethernet0/0	s	20	1	Root		Remove	
DNS	<u>s</u>				192.168.10.0/24		tunnel.1	s	20	1	Root		Remove	
Zone	es_			_		* Active route	C Connected I Imp	oorted eB E	BGP O OSPF E1 C	SPF external t	/pe 1 H Hos	t Route		
- Inter	int					P Permanent	S Static A Aut	o-Exported iB I	BGP R RIP E2 C	ISPF external t	/pe 2			
	ackun					D Dynamic	N NHKP							
- DHO	CP													
<ul> <li>802.</li> </ul>	1X													
Rout	ting													
	lestination													
- <u>S</u>	ource													
- <u>Si</u>	ource Interface	1.												
- D	RP													
	irtual Routers													
• PPP														

Fill in the relevant information as below.

 IP Address/Netmask	192.168.10.0	24
Next Hop	O Virtual Router	untrust-Vr 🗸
	• Gateway	
	Interfa	ice tunnel.1 V
	Gateway IP Addre	ess 0.0.0
	Permane	ent 🗌
	Т.	iag [
Metric	1	
Preference	20	
Description		

6. Set up the Policies. Navigate to: Policy> Policies.

Create the first rule. Select "**Trust**" and "**Untrust**" in the "From" and "To" drop-down menus respectively. Press the "**New**" button.

	Policy > 1	Policies (From All a	ones To Allzones)							ssg	20 ?
	List 20	v per page irost v	No.			To Untrust Co					Scarch
SSG20	From T	rust To Untrust, b	otal policy: 1	1							
Destination	ID	Source	Destination	Service	Action	Options	-	Confi	igure	Enable	Move
Source Interface	1	Any	Any	ANY			Edit	Clone	Remove	2	\$ <b>•••</b>
MCast Routing	-										
PBR											
Virtual Routers											
DSCP											
Security											
Policy Policies MCast Policies											
Policy Elements											
AutoKev IKE											
AutoKey Advanced											
<u>Gateway</u> <u>P1 Proposal</u> <u>P2 Proposal</u>											
VPN Groupe											

Fill in the relevant information as below.

Name (optional)	
Source Address	Address Book Entry Any Multiple
Destination Address	Nev Address [102:18:100 / 24     Address Book Entry Any      Mobale
Service	ANY V Multiple
Application	None V
	WEB Filtering
Action	Permit V Dop Importion
Antivirus Profile	None 🗸
Antispam enable	
Tunnel	VPN None V
	Modify matching bidirectional VPN policy
	L2TP None V
Logging	at Session Beginning
Position at Top	
Session-limit	
Counter	0
Alarm without drop	

Create the second rule. Select "**Untrust**" and "**Trust**" in the "From" and "To" drop down menus respectively. Press the "**New**" button.

From	Untrust				To Trust V Go					New
From	Trust To Untrust, total policy: Source	2 Destination	Service	Action	Options	Configure			Enable	Move
1	Any	Any	ANY			Edit	Clone	Remove		\$ <b></b>
2	192.168.1.0/24	192.168.10.0/24	ANY			Edit	Clone	Remove	V	\$ <b>•••</b>

Fill in the relevant information as below.

Name (optional)	from_DBR					
Source Address	New Address [122.168.10.0 / 24     Address Book Entry [192.168.10.0/24 V Mainpic					
Destination Address	New Address 192.168.1.0/24 x /  Address Book Entry 192.168.1.0/24 V Multiple					
Service	ANY Multiple					
Application	None V					
UKEB Filtering						
Action Permit V Dog Importon						
Antivirus Profile None 💙						
Antispam enable						
Tunnel	VPN None V					
Modity matching bidirectional VPN policy						
	L2TP None V					
Logging 🔲 at Session Beginning 🗌						
Position at Top						
Session-limit						
Counter	Counter 0					
Alarm without drop						
	OK Casol Advasod					

## **7.** Check VPN status. Navigate to: VPNs > Monitor Status.

	VPNs > Monitor Status					ssg	20 ?
	List 20 🗸 per page						
						Show A	11 Filter
	VPN Name	SA ID	Policy ID	Doos Catoway ID	Tune	GA Status	Link
SSG20	ipsec 1	00000001	-1/-1	1.1.1.2	AutoIKE	Active	Up
PBR A							<u> </u>
+ PPP							
DSCP							
+ <u>Security</u> Policy							
Policies MCast Policies							
AutoKev IKE							
<u>AutoKey Advanced</u> <u>Gateway</u>							
P2 Proposal XAuth Settings							
VPN Groups MODECFG Pro							
Manual Key L.2TP Monitor Status							

Status logs are also viewable on the homepage.

Total alarms: 7	(Emergencies: 0; Alerts: 0; Critical: 7)				
Date/Time	Level	Description			
2013-01-06 19:04:44	critical	VPN 'ipsec_1' from 1.1.1.2 is up.			
2013-01-06 19:04:34	critical	VPN 'ipsec_1' from 1.1.1.2 is down.	7		
2013-01-06 19:02:04	critical	VPN 'ipsec_1' from 1.1.1.2 is up.	٦		
2013-01-06 18:58:24	critical	VPN 'ipsec_1' from 1.1.1.2 is down.			
2013-01-06 18:56:34	critical	VPN 'ipsec_1' from 1.1.1.2 is up.			



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