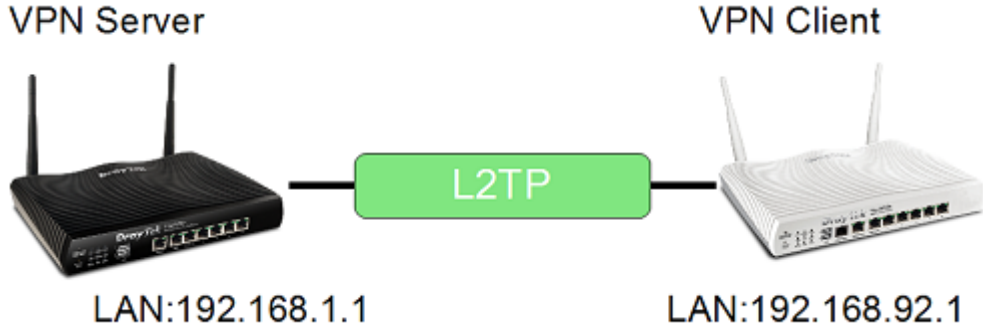


İKİ VIGOR ROUTER ARASINDAKİ IPSEC VPN ÜZERİNDEN L2TP

Bu not, aşağıdaki topolojiyle iki Vigor Router arasında IPsec üzerinden L2TP'nin nasıl kurulacağını gösterecek.



VPN Server Kurulumu

1. IPsec pre-shared key ayarlayın: **VPN and Remote Access >> IPsec General Setup** sayfasına gidin. **Pre-Shared Key** girin ve doğrulayın. Ardından uygulamak için **OK**'a tıklayın.

VPN and Remote Access >> IPsec General Setup

VPN IKE/IPsec General Setup

Dial-in Set up for Remote Dial-in users and Dynamic IP Client (LAN to LAN).

IKE Authentication Method

Certificate for Dial-in

Pre-Shared Key

Pre-Shared Key

Confirm Pre-Shared Key

IPsec Security Method

Medium (AH)
Data will be authentic, but will not be encrypted.

High (ESP) DES 3DES AES
Data will be encrypted and authentic.

OK

Cancel

2. VPN profilini ayarlayın: **VPN and Remote Access >> LAN to LAN** sayfasına gidin ve yeni VPN profili oluşturmak için uygun bir index numarasına tıklayın.

VPN and Remote Access >> LAN to LAN



LAN-to-LAN Profiles:

[Set to Factory Default](#)

View: All Trunk

Index	Name	Active	Status	Index	Name	Active	Status
1.	???	<input type="checkbox"/>	---	17.	???	<input type="checkbox"/>	---
2.	???	<input type="checkbox"/>	---	18.	???	<input type="checkbox"/>	---
3.	???	<input type="checkbox"/>	---	19.	???	<input type="checkbox"/>	---

3. Profil adı girin ve "Enable" ı işaretleyin. **Call Direction** için "Dial-in" seçeneğini seçin.

VPN and Remote Access >> LAN to LAN

Profile Index : 1

1. Common Settings

Profile Name <input type="text" value="Server"/>	Call Direction <input type="radio"/> Both <input type="radio"/> Dial-Out <input checked="" type="radio"/> Dial-in
<input checked="" type="checkbox"/> Enable this profile	<input type="checkbox"/> Always on
VPN Dial-Out Through <input type="text" value="WAN1 First"/>	Idle Timeout <input type="text" value="0"/> second(s)
<input type="text" value="192.168.1.1"/>	<input type="checkbox"/> Enable PING to keep IPsec tunnel alive
Netbios Naming Packet <input checked="" type="radio"/> Pass <input type="radio"/> Block	PING to the IP <input type="text" value=""/>
Multicast via VPN <input type="radio"/> Pass <input checked="" type="radio"/> Block	
(for some IGMP,IP-Camera,DHCP Relay..etc.)	

1. Dial-In Settings'de "L2TP" seçin ve IPsec Policy'i "Must" olarak ayarlayın, **Username** and **Password** girin.

3. Dial-In Settings	
Allowed Dial-In Type <input type="checkbox"/> PPTP <input type="checkbox"/> IPsec Tunnel <input checked="" type="checkbox"/> L2TP with IPsec Policy <input type="text" value="Must"/> <input type="checkbox"/> SSL Tunnel <input type="checkbox"/> Specify Remote VPN Gateway Peer VPN Server IP <input type="text" value=""/> or Peer ID <input type="text" value=""/>	Username <input type="text" value="dray"/> Password(Max 11 char) <input type="text" value="...."/> VJ Compression <input checked="" type="radio"/> On <input type="radio"/> Off IKE Authentication Method <input checked="" type="checkbox"/> Pre-Shared Key <input type="text" value=""/> <input type="checkbox"/> Digital Signature(X.509) <input type="text" value="None"/> Local ID <input checked="" type="radio"/> Alternative Subject Name First <input type="radio"/> Subject Name First IPsec Security Method <input checked="" type="checkbox"/> Medium(AH) High(ESP) <input checked="" type="checkbox"/> DES <input checked="" type="checkbox"/> 3DES <input checked="" type="checkbox"/> AES

2. TCP/IP Network Settings'de **Remote Network IP/ Mask**'da VPN istemcisinin LAN IP'sini ve Mask'ını girin. Uygulamak için **OK**'a tıklayın.

5. TCP/IP Network Settings	
My WAN IP <input type="text" value="0.0.0.0"/>	RIP Direction <input type="text" value="Disable"/>
Remote Gateway IP <input type="text" value="0.0.0.0"/>	From first subnet to remote network, you have to do <input type="text" value="Route"/>
Remote Network IP <input type="text" value="192.168.92.1"/>	<input type="checkbox"/> IPsec VPN with the Same Subnets
Remote Network Mask <input type="text" value="255.255.255.0"/>	<input type="checkbox"/> Change default route to this VPN tunnel (Only single WAN supports this)
Local Network IP <input type="text" value="192.168.1.1"/>	
Local Network Mask <input type="text" value="255.255.255.0"/>	
<input type="button" value="More"/>	

VPN Client Kurulumu

4. VPN Client Router’da VPN profilini ayarlayın: **VPN and Remote Access >> LAN to LAN** sayfasına gidin ve yeni VPN profili oluşturmak için uygun bir index numarasına tıklayın.

VPN and Remote Access >> LAN to LAN



LAN-to-LAN Profiles:

| [Set to Factory Default](#) |

View: All Trunk

Index	Name	Active	Status	Index	Name	Active	Status
1.	???	<input type="checkbox"/>	---	17.	???	<input type="checkbox"/>	---
2.	???	<input type="checkbox"/>	---	18.	???	<input type="checkbox"/>	---
3.	???	<input type="checkbox"/>	---	19.	???	<input type="checkbox"/>	---

5. Common Settings’de **profile name** girin ve etkinleştirin, **Call Direction** için “Dial-out” seçeneğini seçin.

Profile Index : 1

1. Common Settings

Profile Name <input type="text" value="CPE"/> <input checked="" type="checkbox"/> Enable this profile VPN Dial-Out Through <input type="text" value="WAN1 First"/> <input type="text" value="2-192.168.31.255"/> Netbios Naming Packet <input checked="" type="radio"/> Pass <input type="radio"/> Block Multicast via VPN <input type="radio"/> Pass <input checked="" type="radio"/> Block (for some IGMP,IP-Camera,DHCP Relay..etc.)	Call Direction <input type="radio"/> Both <input checked="" type="radio"/> Dial-Out <input type="radio"/> Dial-in Tunnel Mode <input type="radio"/> GRE Tunnel <input type="checkbox"/> Always on Idle Timeout <input type="text" value="0"/> second(s) <input type="checkbox"/> Enable PING to keep IPsec tunnel alive PING to the IP <input type="text"/>
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6. Dial-Out Settings’de,
 a. "L2TP" seçin ve IPsec Policy’i “Must” olarak ayarlayın.
 b. **Server IP/Host Name for VPN**’de VPN sunucusunun IP’sini veya domain adını girin.
 c. VPN sunucusunda yapılandırılan **Username, Password** ve **IKE Pre-Shared Key**’i yazın.

2. Dial-Out Settings

Type of Server I am calling <input type="radio"/> PPTP <input type="radio"/> IPsec Tunnel <input checked="" type="radio"/> L2TP with IPsec Policy <input type="text" value="Must"/> <input type="radio"/> SSL Tunnel Server IP/Host Name for VPN. (such as draytek.com or 123.45.67.89) <input type="text" value="IP/Domain name of VPN server"/> Server Port (for SSL Tunnel): <input type="text" value="443"/>	Username <input type="text" value="dray"/> Password(Max 15 char) <input type="text" value="...."/> PPP Authentication <input type="text" value="PAP/CHAP/MS-CHAP/MS-CHAPv2"/> VJ Compression <input checked="" type="radio"/> On <input type="radio"/> Off IKE Authentication Method <input checked="" type="radio"/> Pre-Shared Key <input type="text" value="IKE Pre-Shared Key"/> <input type="radio"/> Digital Signature(X.509) Peer ID <input type="text" value="None"/> Local ID <input type="text"/>
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7. TCP/IP Network Settings’de, **Remote Network IP/ Mask**’da VPN sunucusunun LAN IP’sini ve Mask’ını girin. Uygulamak için **OK**’a tıklayın.

5. TCP/IP Network Settings

My WAN IP	0.0.0.0	RIP Direction	Disable
Remote Gateway IP	0.0.0.0	From first subnet to remote network, you have to do	
Remote Network IP	192.168.1.1	Route	
Remote Network Mask	255.255.255.0	<input type="checkbox"/> IPsec VPN with the Same Subnets	
Local Network IP	192.168.92.1	<input type="checkbox"/> Change default route to this VPN tunnel (Only single WAN supports this)	
Local Network Mask	255.255.255.0		
<input type="button" value="More"/>			

VPN Tünel Kurulumu

- Şimdi VPN Client routerının **VPN and Remote Access >> Connection Management** sayfasına gidin ve VPN'i başlatmak için **Dial** ögesini seçin. VPN tüneli başarılı bir şekilde kurulduktan sonra aşağıdaki gibi VPN durumunu görebiliriz.

VPN and Remote Access >> Connection Management

Dial-out Tool Refresh Seconds : 10

General Mode:	(CPE)	<input type="button" value="Dial"/>
Backup Mode:		<input type="button" value="Dial"/>
Load Balance Mode:		<input type="button" value="Dial"/>

VPN Connection Status

Current Page: 1

Page No.

VPN	Type	Remote IP	Virtual Network	Tx Pkts	Tx Rate(Bps)	Rx Pkts	Rx Rate(Bps)	UpTime
1 (CPE)	L2TP 3DES-SHA1 Auth	192.168.1.1 via WAN2	192.168.1.1/24	0	0	1	3	0:2:20

xxxxxxx : Data is encrypted.

xxxxxxx : Data isn't encrypted.