

Fully Transparent Tunnel Setup

<https://campus.barracuda.com/doc/79462899/>

The simplest site-to-site TINA VPN tunnel setup is a transparent connection of two networks with different address ranges. This setup should not be noticeable by the connected networks. The following figure illustrates a fully transparent VPN tunnel. This article provides example settings for [creating a site-to-site TINA VPN tunnel](#) for this environment. The article does not cover the routing configuration between both VPN servers. Unless overlapping addresses are used, the VPN tunnels do not interfere with the routing configuration.



VPN Server 1 Settings

Tab	Setting	Value	Comment
Basic	Transport	UDP&TCP (or whatever is needed)	-
	Encryption	AES (or whatever is needed)	May be unencrypted for intranet connections only aiming at routing assistance.
Advanced	Tunnel Timeout	<ul style="list-style-type: none"> For intranet: 10 For Internet-like connections: 30 	-
Local Networks	Call Direction	Active or Passive	Converse to the partner's configuration.
	Network Address	10.0.20.0/24	-
Local	IP Address or Interface Used for Tunnel Address	Dynamic (via routing)	Only one IP address is assumed on the outside interface.
Remote Networks	Remote Network	10.0.21.0/24	-
Remote	Remote Peer IP Addresses	192.168.3.101	-

VPN Server 2 Settings

Tab	Setting	Value	Comment
Basic	Transport	UDP&TCP (or whatever is needed)	-
	Encryption	Same value as on the local side	May be unencrypted for intranet connections only aiming at routing assistance.
Advanced	Tunnel Timeout	<ul style="list-style-type: none"> • For intranet: 10 • For Internet-like connections: 30 	-
Local Networks	Call Direction	Active or Passive	Converse to the partner's configuration.
	Network Address	10.0.21.0/24	-
Local	IP Address or Interface Used for Tunnel Address	Dynamic (via routing)	Only one IP address is assumed on the outside interface.
Remote Networks	Remote Network	10.0.20.0/24	-
Remote	Remote Peer IP Addresses	192.168.3.1	-

Access Rules

You must create [Pass access rules on both systems](#) to allow traffic between the local and partner networks.

Figures

1. trans_tn.png

© Barracuda Networks Inc., 2019 The information contained within this document is confidential and proprietary to Barracuda Networks Inc. No portion of this document may be copied, distributed, publicized or used for other than internal documentary purposes without the written consent of an official representative of Barracuda Networks Inc. All specifications are subject to change without notice. Barracuda Networks Inc. assumes no responsibility for any inaccuracies in this document. Barracuda Networks Inc. reserves the right to change, modify, transfer, or otherwise revise this publication without notice.