Teltonika

Am **SmartnetVPN** Portal. Hier wird beschrieben wie ein **Teltonika Router** über OpenVPN eine Verbindung zum VPN Service Portal SmartNetVPN aufbaut. Über NET-Mapping erfolgt dann ein direkte Zugriff auf alle Geräte die hinter dem Router betrieben werden - ohne Port Weiterleitung.



RUT240, RUTX08, RUTX09, RUTX10, RUTX11, RUTX12, TRB145, TRB142, TRB140, RUT500, RUT950, RUT955, RUT850,

- Smartphone
- Advantech
- Amit
- IP-Adressen
- Kompatibel mit
- OpenWRT
- RAKWireless
- Robustel
- Teltonika
- Windows

Teltonika Router

Aktivieren von VPN

- VPN
 - OpenVPN
 - Enable
 - Enable OpenVPN config from file

*.ovpn Datei auswählen und hochladen.

VPN Status

- VPN Verbindung sollte aufgebaut werden
 - Falls nicht, bitte
 - prüfen ob
 - über den Router
 - eine Web
 - Seite im
 - Internet



2024/02/09 22:34	2/3
Contraction Contra	erreicht werden
A MAIN SETTINGS: TEST	kann. • connected
Enable Off on	
Enable external Services	
Enable OpenVPN config from file off on	
OpenVPN configuration file BROWSE No file selected	
Upload OpenVPN authentication files	

Firewall

- iptables unter Network Firewall eintragen
- 1:1 NAT funktioniert damit.

siehe Beispiel: iptables

TELTONIKA Networks									
	✓ STARTUP SCRIPT								
	# Put your custom commands here that should be executed once # the system init finished. By default this file does nothing.								
	iptables -t nat -D PREROUTING -d '10.7.2.0/24' -i tun0 -j NETMAPto '192.168.1.0/24' iptables -t nat -I PREROUTING -d '10.7.2.0/24' -i tun0 -j NETMAPto '192.168.1.0/24' iptables -t nat -D POSTROUTING -5 '192.168.1.0/24' -o tun0 -j NETMAPto '10.7.2.0/24 iptables -t nat -I POSTROUTING -5 '192.168.1.0/24' -o tun0 -j NETMAPto '10.7.2.0/24 iptables -t nat -I POSTROUTING -0 eth0 -j MASQUERADE iptables -t nat -A POSTROUTING -0 eth0 -j MASQUERADE iptables -t nat -A POSTROUTING -0 eth0 -j MASQUERADE								

exit Ø

Falls Masquerade

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iptables -t nat -D POSTROUTING -o
eth0 -j MASQUERADE
iptables -t nat -A POSTROUTING -o
eth0 -j MASQUERADE
iptables -A INPUT -j ACCEPT

Teltonika

Masquerading

- Firewall general settings
- 1:1 NAT funktioniert damit.

TELTONIKA Network	s			MODE Advanced	user Admin	FW VERSION TRB1_R_00.07.01	LOG
✓ GENERAL SETTINGS							
Drog	invalid packets						
Automatic he	lper assignment	en en					
	Input	Reject		~			
	Output (Accept		~			
	Forward (Reject		\sim			
~ ZONES							
	INPUT	OUTPUT	FORWARD	MASI	QUERADING	MSS Clamping	
$ZONE \Rightarrow FORWARDINGS$							
ZONE ⇒ FORWARDINGS	Accept	~ Accept	√ Accept	(0	off on	ØX
ZONE ⇒ FORWARDINGS	Accept	Accept Accept	Accept Reject) -	off on (e ×
ZONE -> FORWARDINGS	Accept Reject Accept	Accept Accept Accept Accept	Accept Accept Reject Reject				/ × / × / ×
ZONE => FORWARDINGS	Accept Reject Accept Accept	 Accept Accept Accept Accept Accept 	 Accept Reject Reject Reject 				/ × / × / ×
ZONE => FORWARDINGS Ian = (wan opencen wireguard) wan = REJECT opencen = Ian wireguard = Ian	Accept Reject Accept Accept	Accept Accept Accept Accept Accept Accept	V Accept V Reject V Reject V Reject			off on (off on (off on (off on (off on (2 × 2 × 2 × 2 × 10

iptables

Beispiel eines kompletten Firewall Scriptes

```
# Put your custom commands here that should be executed once
# the system init finished. By default this file does nothing.
iptables -t nat -D PREROUTING -d '10.7.2.0/24' -j NETMAP --to
'192.168.1.0/24'
iptables -t nat -I PREROUTING -d '10.7.2.0/24' -j NETMAP --to
'192.168.1.0/24'
iptables -t nat -D POSTROUTING -s '192.168.1.0/24' -j NETMAP --to
'10.7.2.0/24'
iptables -t nat -I POSTROUTING -s '192.168.1.0/24' -j NETMAP --to
'10.7.2.0/24'
iptables -t nat -D POSTROUTING -s '192.168.1.0/24' -j NETMAP --to
'10.7.2.0/24'
iptables -t nat -D POSTROUTING -o eth0 -j MASQUERADE
iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE
iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE
iptables -A INPUT -j ACCEPT
```

```
exit 0
```

From: https://doku.smartnetvpn.eu/ - SmartSolutions for IoT

Permanent link: https://doku.smartnetvpn.eu/doku.php?id=smartnet:smartnetvpn:vpn-config:teltonika

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