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# Setup Stunnel on 2 Ubuntu Servers
# Abroad Server OS: Ubuntu Server 20.04 64.bit (OCSERV)
# IRAN Server OS: Ubuntu Server 20.04 64.bit
# -----

# We already have a working OCSERV on Abroad Server. (How?
https://youtu.be/M7GdE9oDA7w)
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```
# Install Stunnel & OpenSSL on **BOTH Servers**
```

```
apt update
apt install stunnel4 openssl -y
```

```
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```

```
# Create systemd service for STunnel on **BOTH Servers**
```

```
nano /usr/lib/systemd/system/stunnel.service
```

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```
## Copy this to the file:
```

```
[Unit]
Description=SSL tunnel for network daemons
After=network.target
After=syslog.target

[Install]
WantedBy=multi-user.target
Alias=stunnel.target

[Service]
Type=forking
ExecStart=/usr/bin/stunnel /etc/stunnel/stunnel.conf
ExecStop=/usr/bin/pkill stunnel

TimeoutSec=600

Restart=always
PrivateTmp=false
```

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On ****IRAN Server****:

Create Config file:
nano /etc/stunnel/stunnel.conf

Copy and edit this:

```
pid = /etc/stunnel/stunnel.pid  
client = yes  
output = /etc/stunnel/stunnel.log
```

```
[ocserv]  
accept = 443  
connect = <Abroad Server>:<Abroad Stunnel port>
```

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Edit openssl.conf:
nano /etc/ssl/openssl.cnf

Add this to the begening of the file:

```
openssl_conf = default_conf
```

```
[default_conf]  
ssl_conf = ssl_sect
```

```
[ssl_sect]  
system_default = system_default_sect
```

```
[system_default_sect]  
MinProtocol = TLSv1.2  
CipherString = DEFAULT@SECLEVEL=1
```

```
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Start, Enable and view status of stunnel service:
systemctl start stunnel
systemctl enable stunnel

```
systemctl status stunnel
```

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```
# On **Abroad Server**:
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```
## Create Config file:  
nano /etc/stunnel/stunnel.conf
```

```
### Copy and edit this:
```

```
cert = /etc/stunnel/stunnel.pem  
pid = /etc/stunnel/stunnel.pid  
output = /etc/stunnel/stunnel.log
```

```
[ocserv]  
accept = <Custom port number>  
connect = localhost:443
```

```
# -----
```

```
## Create certificate for Abroad server:
```

```
openssl genrsa -out privkey.pem 2048  
openssl req -new -x509 -key privkey.pem -out cacert.pem -days 3650  
cat privkey.pem cacert.pem >> /etc/stunnel/stunnel.pem  
chmod 0400 /etc/stunnel/stunnel.pem
```

```
systemctl start stunnel  
systemctl enable stunnel  
systemctl status stunnel
```

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# Video Link: https://youtu.be/xl5Ne4kYolE  
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Best regards :)  
Ramtin  
youtube.com/c/NetAdminPlus
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