Some Help With

Configure TCP tunneling

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TCP tunneling allows you to access services on a remote device as if they were running locally. This is useful for accessing internal web applications, industrial controls, or file storage systems from outside the remote network.

Setting up TCP tunneling

You can configure tunneling in two ways:

- From the context menu in the **Discovery**, **Favorites**, **Recent Sessions**, or **Address Book** lists.
- During an active session, via the **Actions** menu in the session toolbar.

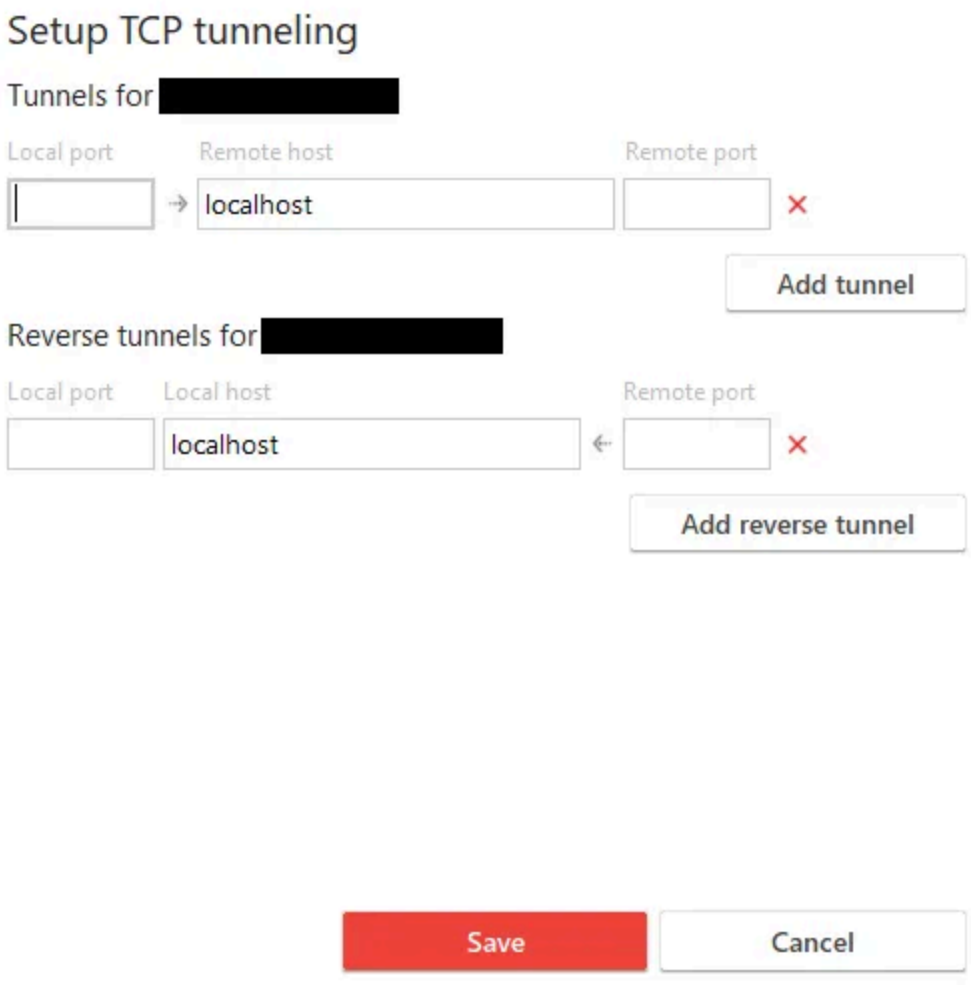
> 🚨 **IMPORTANT**
>
> TCP tunneling relies on the SMB authentication protocol. If the connection requires SSL, HTTPS, or hostname validation, the tunnel may not work properly.

Tunneling directions

AnyDesk supports two types of tunnels:

- **Forward tunneling**: Forwards a request from a **local** port to a `<hostname>:<port>` destination on the **remote** device.

- **Reverse tunneling**: Forwards a request from a **remote** port to a `<hostname>:<port>` destination on the **local** device.



VirtualBoxVM_GDw3GvD07J

- **Local ports** are those used on your local device to access services running on the remote device.
- **Remote hosts and ports** are typically defined by the web application or service running on the remote network.

> 💡 **NOTE**
>
> You can create multiple tunnels as long as listening ports do not conflict.

Example use case

Your web application server is only accessible on the remote office network at:

```
arduinoCopyEdithttp://internal.specialized_software.com:8080
```

Plain text

Copy

You have two options to access this server remotely:

1. Connect to the remote device and use its browser or terminal to access the application directly.
2. Use TCP tunneling to access the application from your local browser or terminal.

Using a local port

If port `1234` is available on your local network, configure the tunnel to forward:

- **Local port**: `1234`
- **Remote destination**: `internal.specialized_software.com:8080`

Once the session is active, open your local browser and go to:

```
arduinoCopyEdithttp://internal.specialized_software.com:1234
```

Plain text

Copy

This gives you access to the remote server's content as if it were running locally.

Common tunneling applications

You can use TCP tunneling with:

- VPN access
- SSH connections
- Internal web services
- Network-attached storage (NAS)
- Webcams
- Industrial device controls