Open Ports on RustDesk

The ports in this document are the default. Ports used are configurable on the server and, if customized, you'll need to translate to what you use.

RustDesk uses ports for its various functions and services. On the server, these ports must be open for access, and on the clients, the ports must be accessible by the client.

On your firewall, open/PAT/NAT the following to the Rust Server.

- Minimal

```
21115,21116,21117
```

- Common (everything)

```
21114,21115,21116,21117,21118,21119
```

Additionally, if using Pro and do not have a proxy set up, you may need to open port 443 (https)

Following table shows what the ports are used for.

Port	Service	Protocol	Required	Notes
21114	HBBS	TCP	No	Default port for API (Pro only)
21115	HBBS	TCP	Yes	Default port for the RustDesk server.
21116	HBBS	UDP	Yes	Used for client connections to the server.
21117	HBBR	TCP	Yes	Used for Relay Server (hbbr)
21118	HBBS	TCP	No	WebSocket ports for web client
21119	HBBR	TCP	No	WebSocket ports for web client
443	HTTPS	TCP	No	Pro, if no proxy set up or as failover

Again, not all of these are needed. If you are not using the API, for example, you do not need port 21114. If you are in a setup where the relay is never used, you can ignore 21117 and 21119. And, if you're not using WebSocket, you obviously don't need 21118 and 21119.

However, it is common practice to forward/unblock ports 21114-21119 on both UDP and TCP.

See https://rustdesk.com/docs/en/self-host/ for details

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