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# Setting Up an SSH Console

SSH stands for Secure SHell, and is a secure method to connect to a remote computer over a network. There are many advantages to using an SSH console rather than say the shell facility in the FreeNAS GUI.

The SSH console is a window that has a scrolling function which means you can go back and view the output in the console. You can also select large bodies of text and copy and paste them. This can be particularly useful when trying to get help from someone as they need to see what you have done. It is also useful when compiling data (i.e. SMART test data).

An SSH console is also very secure in two ways. Firstly it can be configured to require a Public/Private key and a password before you can log in to the session and the server. Secondly the connection between the server and the client is encrypted. This means any information that goes between the two cannot be read directly.

## Configure SSH in FreeNAS

## Specify SSH Public Key For a User

## Setting up PuTTY in Windows

Modern operating systems ship with an SSH client installed. Unfortunately, Windows is still not a modern operating system in this regard, so a third-party client will need to be used. Popular clients include Bitvise and PuTTY.

## Public Key Authentication in PuTTY

## Using SSH on a Mac

## Using SSH on Linux

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