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# PuTTY setup

These steps are to set up an ssh client

These steps assume the IP you are connecting from is allowed to connect to the server in the first place.

## General Setup

Go to: <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

Direct Download:

<https://the.earth.li/~sgtatham/putty/latest/w64/putty-64bit-0.76-installer.msi>

When installing, be sure "Put install directory on the PATH..." is enabled.

## Server Setup

1. Enter `cpanel.beacontechnology.com` where it says Host Name
2. Where it says Saved Sessions, enter a name to know this server by. Using the hostname is fine.
3. Click Save

You can now click Open to open the connection

## Connecting to a server

To connect to a server, just select a session in the list and click Open.

The first time you connect to a server, you will have to click Accept to acknowledge that you recognize the server fingerprint.

## Key Based Authentication

Key Based authentication allows the user to log in with a key rather than a password. This is more secure and allows unprompted access to the server.

## Generate SSH Key

Open PuTTYgen

1. At the bottom of the window, select "ECDSA"
2. click generate.
3. move the mouse around until it is done.
4. Where it says "Key comment:" paste in "dev.beacontechnology.com" without quotes or whatever server
5. click save private key. Select yes without a password.
6. Where it says "File name" paste without quotes  
"%UserProfile%\dev.beacontechnology.com.ppk"
7. Click Save
8. In the big box where it says "Public key for pasting into..." Copy everything in that box and email it to us. (click in the big box, then press control+a to copy all then press control+c to copy)
9. You can now close this window

When we get the key, we will install it into the file located at: \$HOME/.ssh/authorized\_keys This will permit anyone with the matching private key to log in.

## SSH Login Shortcut

Right click on desktop in empty space, and click New > Shortcut

Paste in:

```
pageant.exe "%UserProfile%\dev.beacontechnology.com.ppk" -c putty.exe  
tom@dev.beacontechnology.com
```

Next

Name: SSH Dev Beacon

Finish

## BeaconSync Shortcut

On an empty space on the desktop, right click New > Shortcut

Type the location of the item:

```
pageant.exe "%UserProfile%\dev.beacontechnology.com.ppk" -c plink.exe -ssh -  
batch tom@dev.beacontechnology.com "sudo /root/scripts/beaconsync.sh"
```

Click next

Type a Name for this shortcut: BeaconSync

Finish

You can now just open this shortcut to sync the databases

From:  
<https://wiki.beacontechnology.com/> - **Guide**

Permanent link:  
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Last update: **2021/08/03 02:49**

