# Setting up SSH DB Connections



# Using a Mac / OSX

## Step 1: Generate SSH Key

Generate SSH key on your computer.

https://secure.vexxhost.com/billing/knowledgebase/171/How-can-I-generate-SSH-keys-on-Mac-OS-X.html

**Open Terminal:**

- <Command+Space>
- Type in “Terminal”

**Generating an SSH key**

An SSH key consists of a pair of files. One is the private key, which you should never give to anyone. The other is the public key. You will need a public key to log into cloud servers you provision. When you generate your keys, you will use `ssh-keygen` to store the keys in a safe location so you can bypass the login prompt when connecting to your server.

To generate SSH keys in Mac OS X, follow these steps:

1. Enter the following command in the Terminal window.
   `ssh-keygen -t rsa`
   This starts the key generation process. When you execute this command, the `ssh-keygen` utility prompts you to indicate where to store the key.

2. Press the ENTER key to accept the default location. The ssh-keygen utility prompts you for a passphrase.
3. Type in a passphrase. You can also hit the ENTER key to accept the default (no passphrase). However, this is not recommended.
   Please note that you will need to enter the passphrase a second time to continue.

After you confirm the passphrase, the system generates the key pair.

Your private key is saved to the id_rsa file in the .ssh directory and is used to verify the public key you use belongs to the same cloud server. **It's important to never share your private key with anyone, it is equivalent to your password!**

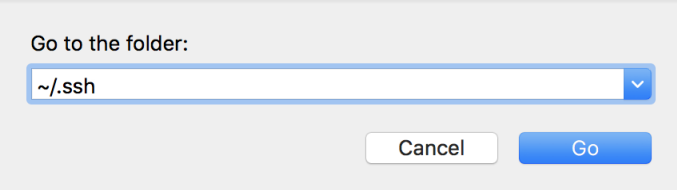
## Step 2: Send Public Key to Daasity

Send the generated public key to Daasity (remember… do not send the private key). The easiest way is to send the key via email.  Once Daasity receives the public key, it will be configured and when done, you will be notified when you're all ready to go.

The file is located in your local ssh directory.  You'll find it here:

In Finder

- Go to folder (Ctrl+Shift+G)




- Enter `~/.ssh`
- You will see id_rsa.pub ← that's the file to send

In Terminal:

- `> cd ~/.ssh`
- `> ls id_rsa.pub`
- `> cat id_rsa.pub`
- `... will display contents of file, copy & paste in slack ...`

# Using a PC / Windows

## Step 1: Generate SSH Key

Generate SSH key on your computer.  A good how-to article here:
https://phoenixnap.com/kb/generate-ssh-key-windows-10

## Step 2: Send SSH Key to Daasity

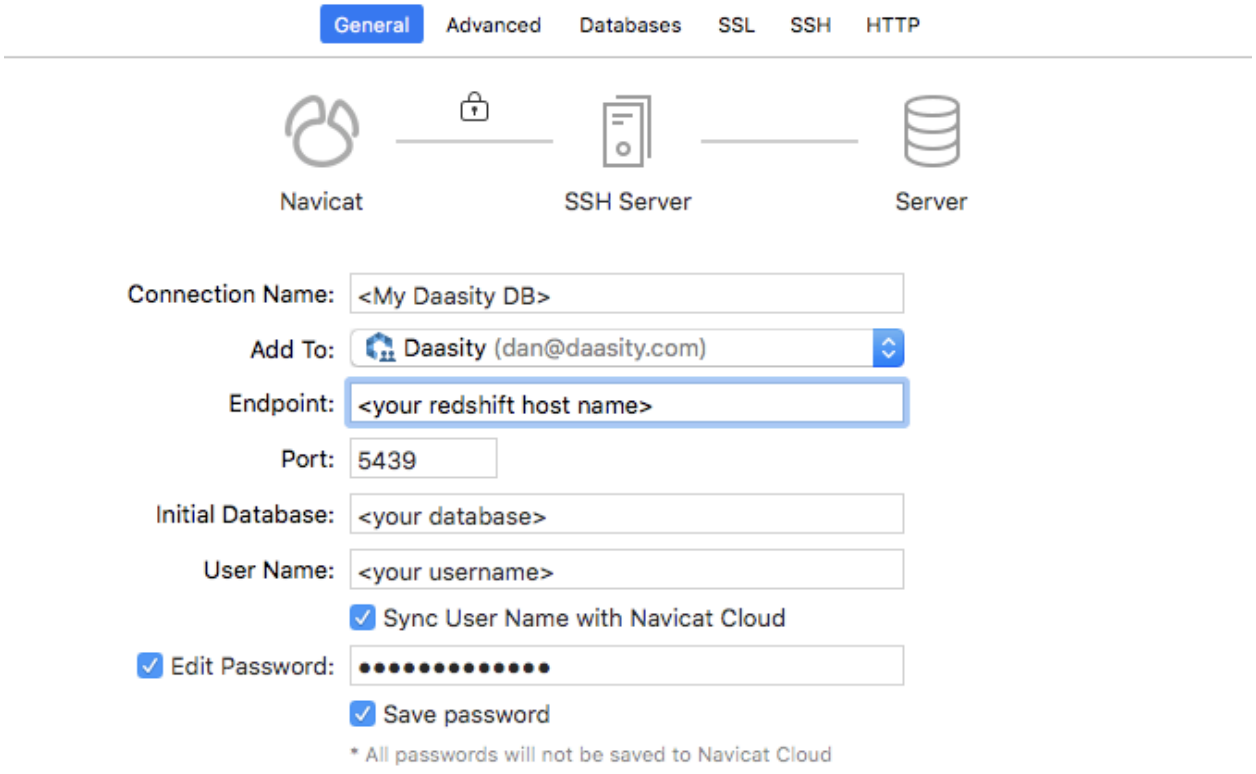
Send the generated public key to Daasity (remember… do not send the private key). The easiest way is to send the key via email.  Once Daasity receives the public key, it will be configured and when done, you will be notified when you're all ready to go.

# Create Database Connection

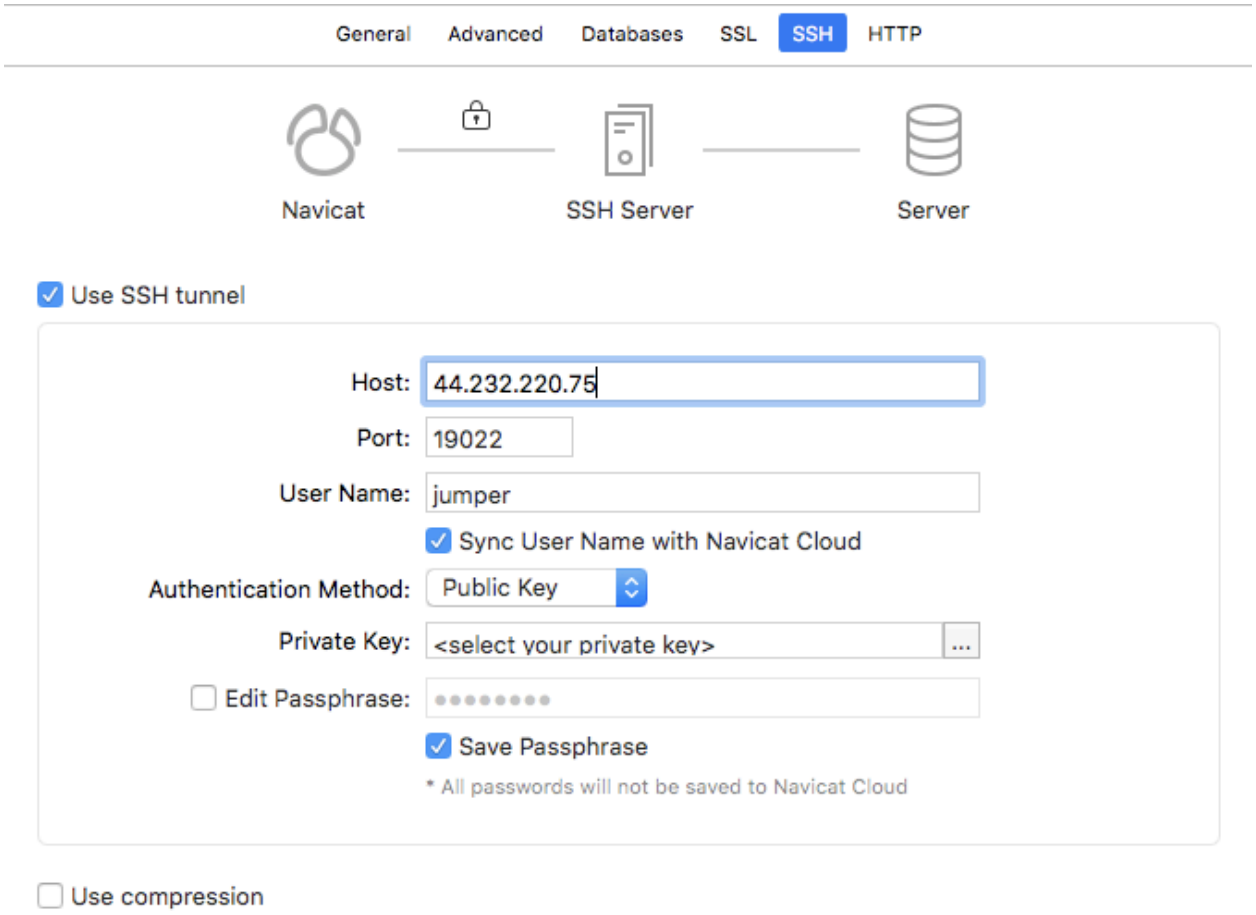
**Example: using Navicat on OSX**

In this example this is connecting to a Redshift Database

**First step is to configure parameters to the database**



**Second step - fill in SSH parameters**




`Host:` **`44.232.220.75`**
`Port:` **`19022`**
`Username:` **`jumper`**

It's important to choose Public Key and select your private key. Note it is in your local user directory. Try the [Test Connection] button.