How to connect to an Elestio service with SSH keys

Connecting to an Elestio service Using Existing SSH Keys from a Mac/Linux Machine

Step 1: Check for Existing SSH Key Pair

First, verify if you have an existing SSH key pair by checking the `.ssh` directory. Open a terminal and execute the following command:

```
ls ~/.ssh
```

The file with the `.pub` extension is your public key.

If you don't have an existing SSH key pair, you can generate a new one using the following command:

```
ssh-keygen -b 4096 -t rsa
```

Step 2: Copy your SSH Public Key to your Elestio service

1. Copy the Public Key to Clipboard:
   Navigate to the `.ssh` directory by typing

```
cd .ssh
```

Display the contents of your public key using `cat` . For example, if your public key is
`id_ed255518.pub` , you can view it with:

```
cat ~/.ssh/id_ed255518.pub
```

Copy the displayed public key and add it to your Elestio service.

2. Add the Public Key to Elestio:
   - Open your Elestio service and navigate to the 'Security' tab.
   - Go to '*Manage SSH Keys*' and click on the 'Add key' button.
   - Paste your public key into the provided field.

Step 3: Confirm and Test Connection

To test the SSH connection to your VM, use the following command from your local machine:

```
ssh root@IPV4_TARGET_VM
```

Replace "IPV4_TARGET_VM" with the actual IPv4 address of your target VM, which you can find in
the 'Overview' tab of your service.

For example:

```
ssh root@128.144.84.22
```

If the connection is successful, you'll be logged into your VM 🎉

Connecting to an Elestio service Using Existing SSH Keys from a Windows Machine with WSL (Windows Subsystem for Linux)

Step 1: Set up WSL (Windows Subsystem for Linux)

Before proceeding, you need to ensure that WSL is installed and configured on your Windows machine. Here's how you can set up WSL:

1. Enable WSL: Open PowerShell as Administrator and run the following command:

   ```
   wsl --install
   ```

   This command will automatically enable the necessary features and install the latest version of WSL on your system.
2. Install a Linux Distribution: After WSL is installed, visit the Microsoft Store and search for your preferred Linux distribution (e.g., Ubuntu). Click "Install" to download and install it.
3. Initialize WSL: Once the distribution is installed, launch it from the Start menu. This will initialize the distribution and prompt you to create a user account and set up a password.
4. Update and Upgrade: After the setup is complete, it's a good idea to update and upgrade the packages within your Linux distribution to ensure you have the latest versions. You can do this by running the following commands:

   ```
   sudo apt update sudo apt upgrade
   ```

   Follow the same tutorial to connect to an Elestio service using existing SSH keys from a Mac/Linux machine.