

# Different key based authentication to remote server

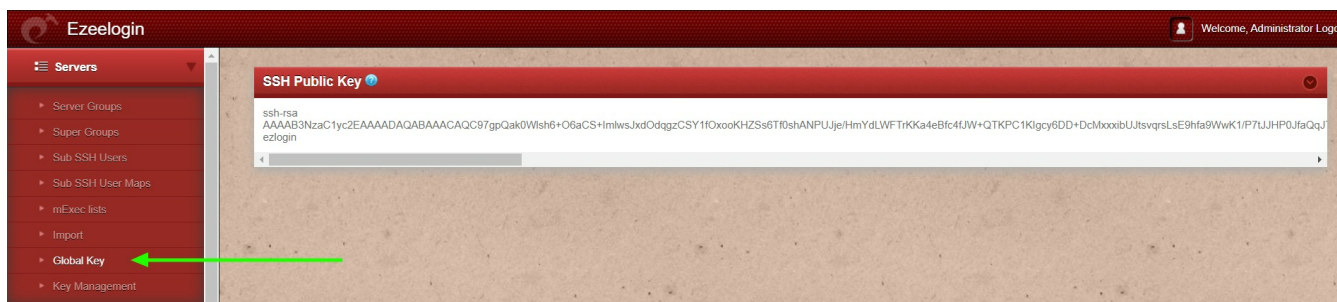
104 admin October 3, 2024 [Tweaks & Configuration](#) 6412

## What are the different key based authentication methods for SSH to remote servers?

**Overview:** The article discusses various key-based authentication methods for SSH to remote servers using Ezeelogin. It covers topics such as global/public keys, private keys, key management, changing the default global key, and adding custom key pairs during the installation process.

### 1. Ezeelogin global or public key

**Step 1(A):** Login to Ezeelogin software GUI, navigate to [Global key](#) and copy the global key.



**Step 1(B):** Login to the Ezeelogin backend (ezsh) and keep the selector on **all servers** and press ' F7 ' or ' \* ' to get into the [parallel shell](#)

**Step 1(C):** Run the below command using the [parallel shell](#) to copy the [public key](#) to all servers. Wait for the parallel shell execution to complete before pressing any key to return to the command line. This will ensure that the public\_key is copied across all servers.

```
echo 'paste_global_key_here' >> ~/.ssh/authorized_keys
```

## 2. SSH Private key

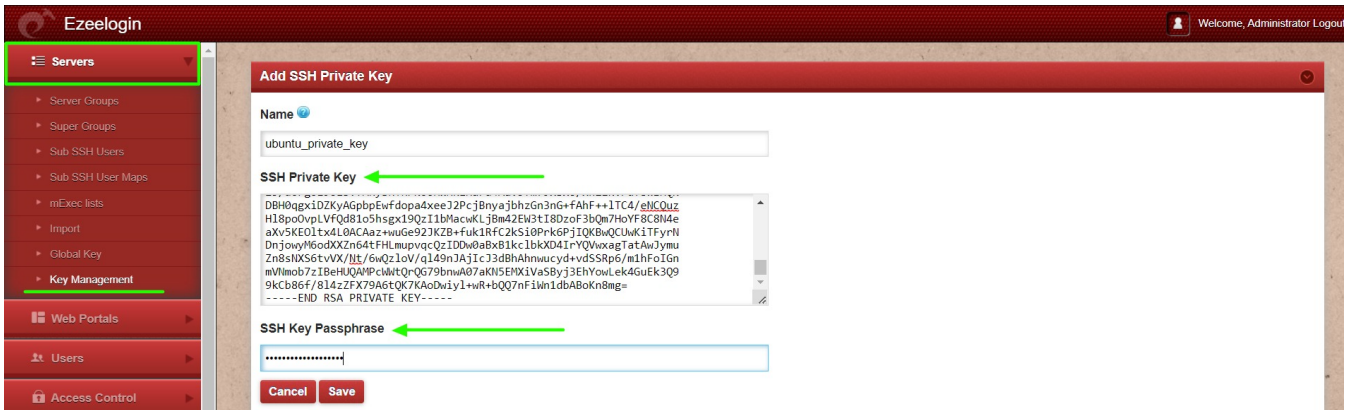
**Step 2(A):** Users can add a remote server with any private key. Copy the public key from `/root/.ssh/id_rsa.pub` and paste it inside the `authorized_keys` file of the user in the remote server.

[How to add a server with the private key?](#)

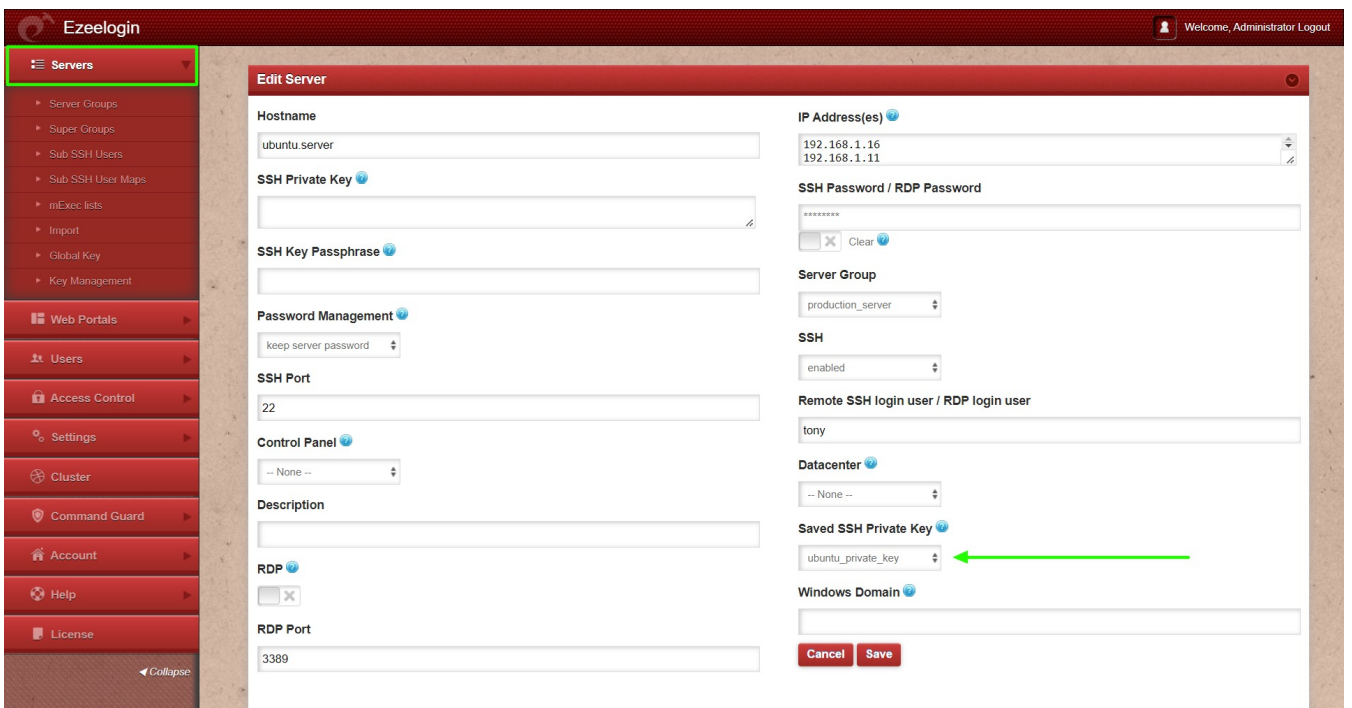
### 3. Key management or saved key

**Step 3(A):** User can add a remote server with the private key stored in key management. Save the private keys and use them while adding the servers.

**Step 3(B):** Navigate to **Servers -> Key Management** and add the private key along with the passphrase (if the key was generated with a passphrase).



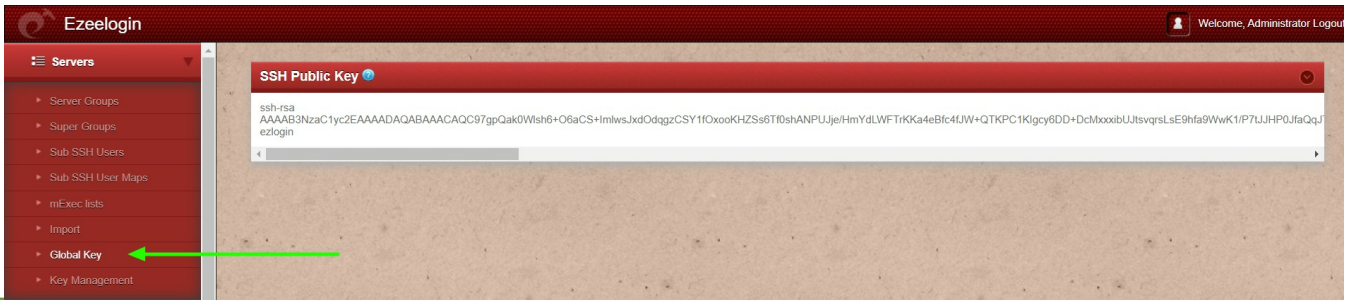
**Step 3(C):** Add a remote server with the key saved in the key management tab.



### 4. Change gloabl key

This feature is available only from Ezeelogin Version 7.3.6 and above.

How to change the default Global Key being used to log on to remote servers?



[Change the existing key pair used in Ezeelogin.](#)

## 5. Can a user use [custom private and public keys](#) in Ezeelogin?

**Step 5(A):** Users can add a [custom key pair](#) during installation only. It cannot be changed to a custom key pair after installation. You would need to generate your own 4096-bit RSA Keys using ssh-keygen

```
root@gateway:~# ssh-keygen -b 4096 -t rsa -P <enter-strong-pass> -f /root/test-pvt-key

Your identification has been saved in /root/test-pvt-key
Your public key has been saved in /root/test-pvt-key.pub
```

**Step 5(B):** Run the Ezeelogin installation package with the following option.

```
root@gateway:~# sh ezlogin_7.1.6.bin -- -help

-sshkey : Specify the path of SSH private key to be used. Default: generates new key
-sshkeypass : Specify the password (if any) for SSH private key. Default: no password

root@gateway:~# sh ezlogin_7.1.6.bin -- -sshkey /root/test-pvt-key -sshkeypass
ads*9s798js0sdf9#$2!sdr@@
```

Complete the installation. The custom public key would be used when new servers are added in and would be visible under **Servers -> Global Key**

The private key cannot be decrypted. To get the private key, a new global key pair has to be generated.

### **Related Articles:**

[SSH Key rotation to remote servers](#)

[Add a server using SSH key pair in ezeelogin](#)

[Using custom private and public keys in Ezeelogin](#)

[Different types of SSH authentication keys](#)

Online URL:

<https://www.ezeelogin.com/kb/article/different-key-based-authentication-to-remote-server-104.html>