SSH Key rotation to remote servers

How to rotate the [Ezeelogin key pair](#) from Gateway to remote servers?

Overview: This article explains the process of manually regenerating the key by running the command to generate it, distributing the new key across remote servers via a parallel shell, and verifying changes in the Global key through the GUI.
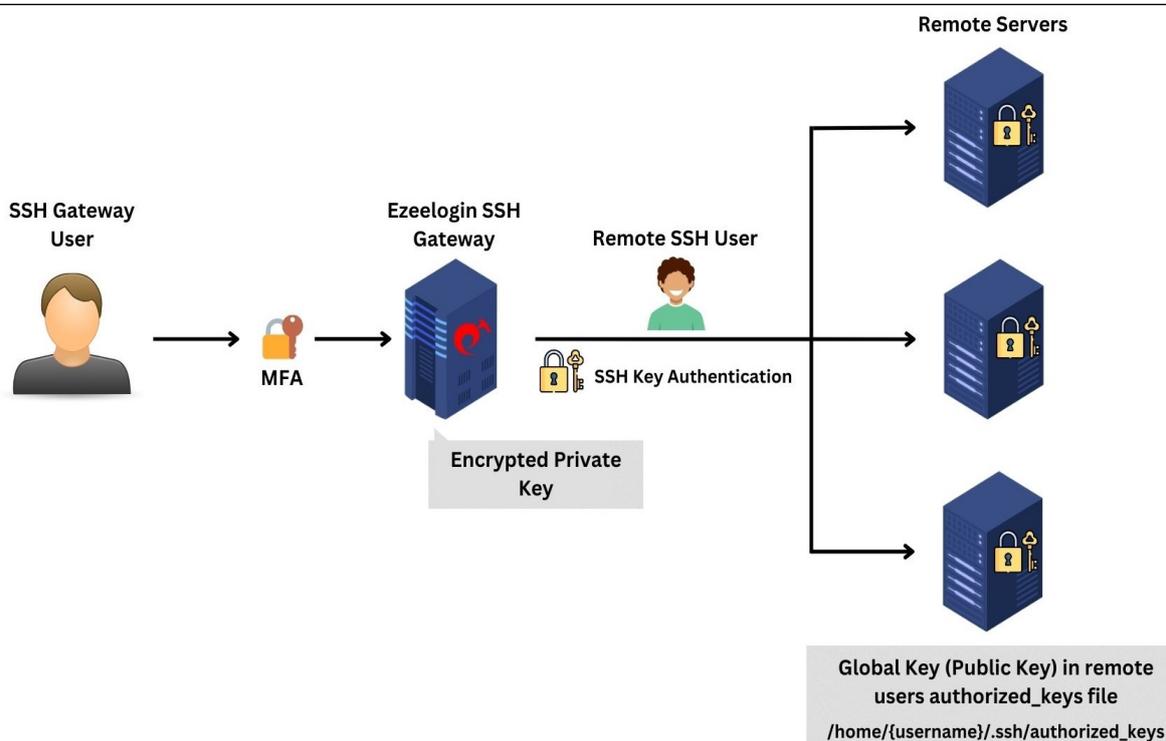
Step 1: To generate the new **4192-bit key pair** in the **Ezeelogin jump host installation**, run the following command on the gateway server. This will reset the **global key** and will regenerate the **ed25519** key by default.

```
root@gateway:~# /usr/local/ezlogin/eztool.php -regenerate_ssh_key
```

Step 2: Run the highlighted command using the **[parallel shell](#)** to copy the new public key to all servers. The idea would be to copy the newly generated public key to **/root/.ssh/authorized_keys** on the remote servers.

```
####################################

# Ezeelogin Tool  #

####################################

Checking environment... done

Checking license... done

Enter Ezeelogin administrator password: admin1234

Regenerate SSH key pair...

- New SSH key pair generated. Execute the following command on all remote servers using parallel shell
feature to add the new public key in authorized keys:

echo 'ssh-ed25519
AAAAC3NzaC1lZDI1NTE5AAAAIG6UB77XUIYCSUvy8c1qCE58S2voNOBeXIl66ozjeADn ezlogin'
>> ~/.ssh/authorized_keys
```

Note:

Execute the above command on all remote servers using the parallel shell feature to add the
new public key in authorized keys and Wait for the parallel shell execution to complete before
pressing any key to return to the command line

```
After it is done, press enter key to continue...
```

Step 3: Wait for the **parallel shell execution to complete** before pressing any key to return to the command line. This will ensure that the **new public_key** is copied across all servers.

Step 4: The user can view the updated global key from GUI under **Servers** -> **Global key**
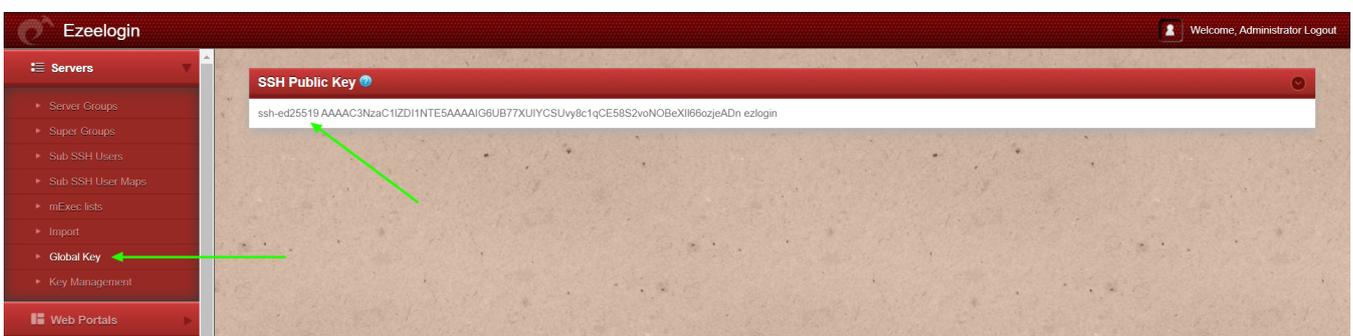
Step 4(A): The user can also view the updated global key from CLI. Run the below command on the gateway server.

root@gateway:~# cat /usr/local/etc/ezlogin/id_key.pub
ssh-ed25519
AAAAC3NzaC1lZDI1NTE5AAAAIG6UB77XUIYCSUvy8c1qCE58S2voNOBeXIl66ozjeADn ezlogin

How to regenerate a global key pair with a specific key type?

Step 1: Refer **help** option for regenerating the global key pair. Run below command on the gateway server to view the help menu.

root@gateway:~# /usr/local/ezlogin/eztool.php -- -**help**

-regenerate_ssh_key : Regenerate Global SSH key
-ssh_key_type : Global SSH key type (ed25519, ecdsa, dsa, rsa) for SSH to remote devices. Note: All remote machines should support this key type. (only for -regenerate_ssh_key)

Step 2: Run the below command on the gateway server and replace

the **key type** to generate a global key pair with the mentioned key type.

```
root@gateway:~# /usr/local/ezlogin/eztool.php -regenerate_ssh_key -ssh_key_type ecdsa
```

Note: Global key pair support ed25519, ecdsa, DSA, and RSA key types starting
Refer zeelogin version 7.37.8 to the latest version. 23.02

- The generated private key would be 2048 bits, and it can be retrieved.
- The maximum supported private key size would be 4192 bits.

Related Articles:

[How do cluster keys in the Ezeelogin Master-slave Configuration be reset?](#)

[Different types of SSH authentication keys.](#)