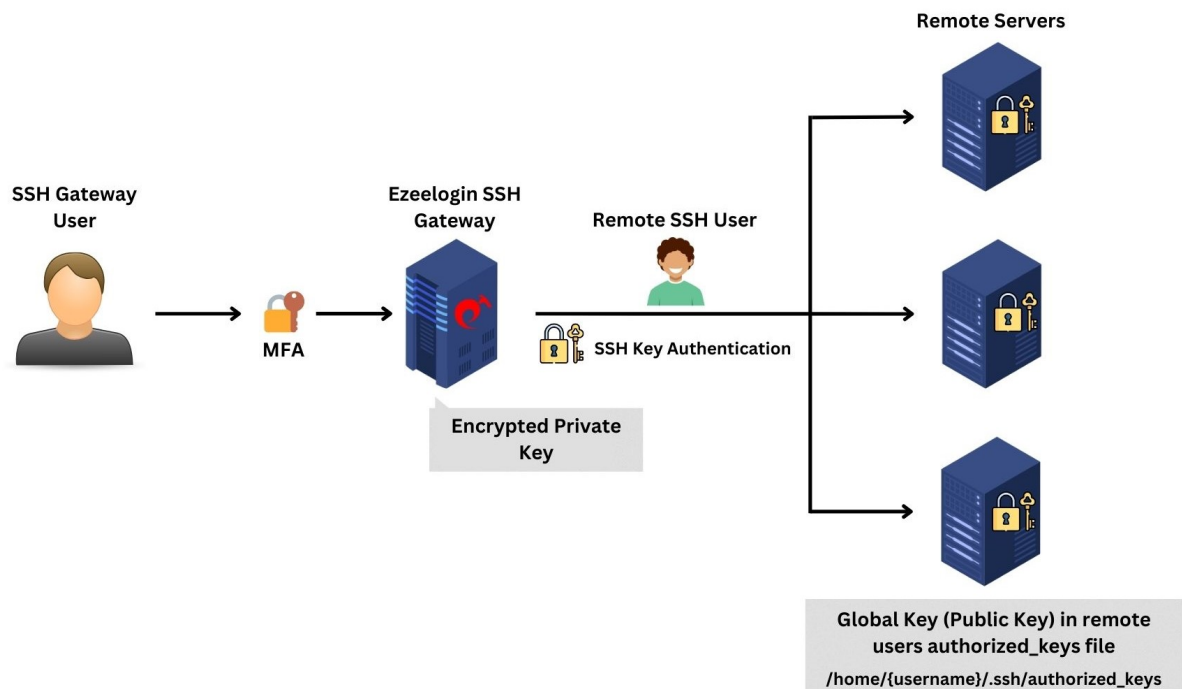


SSH Key rotation to remote servers

167 admin June 6, 2024 [Migration & Maintenance](#), [Security Features](#) 9765

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



How to rotate the key pair from the Ezeelogin server to the remote servers?

Synopsis: To regenerate the key manually, First, we will run the command to regenerate the key, followed by which we will open the parallel shell simultaneously and run the highlighted key in a parallel shell that we'll receive while regenerating a key (we'll be copying the newly generated key on remote servers). And later press Enter and Check the Global key from GUI to confirm the changes.

Step 1. To generate the new **4192-bit key pair** in the **Ezeelogin jump host installation**, run the following command on the gateway server.

Global key now support **ed25519**, **ecdsa**, **dsa**, and **rsa** key types starting from **Ezeelogin version 7.37.8**. [Refer to the article to upgrade to the latest version](#).

- The generated private key would be encrypted and cannot be retrieved.
- The maximum supported private key size would be 4192 bits.

Step 1. Enter the following command to reset the global key. This will regenerate ed25519 key by

default.

```
root@jumpserver:~# /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  
AAAAC3NzaC1lZDI1NTE5AAAAIG6UB77XUfYCSUvy8clqCE58S2voNOBexTl66ozjeADn  
ezlogin' >> ~/.ssh/authorized_keys
```

NOTE:

You should 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.

```
[group:All servers]# echo 'ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIG6UB77XUIYCSUvy8c1qCE58S2voNOBeXI66ozjeADn ezlogin' >> ~/.ssh/authorized_keys

centos server

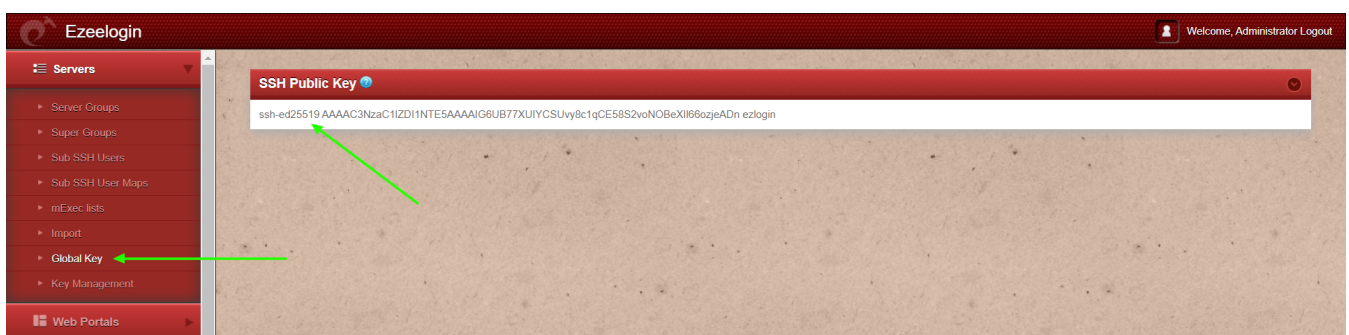
ubuntu server

debian server

Successfully executed on all 3 device(s).

[group:All servers]# |
```

Step 4: User can view the updated global key from GUI under **Servers -> Global key**



or

Step 4: User can view the updated global key from CLI. Run below command.

How to regenerate global key pair with specific key type?

Step 1: Refer **help option for regenerating the global key pair**.

```
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 below command and **replace key type to generate global key pair** with mentioned key type.

```
root@jumpserver:~# /usr/local/ezlogin/eztool.php
```

```
-regenerate_ssh_key -ssh_key_type ecdsa
```

Related Article

[How to reset cluster keys in ezeelogin Master-slave Configuration ?](#)

[Different types of SSH authentication keys](#)

Online URL: <https://www.ezeelogin.com/kb/article/ssh-key-rotation-to-remote-servers-167.html>