How to reset cluster keys in ezeelogin Master-slave Configuration ?

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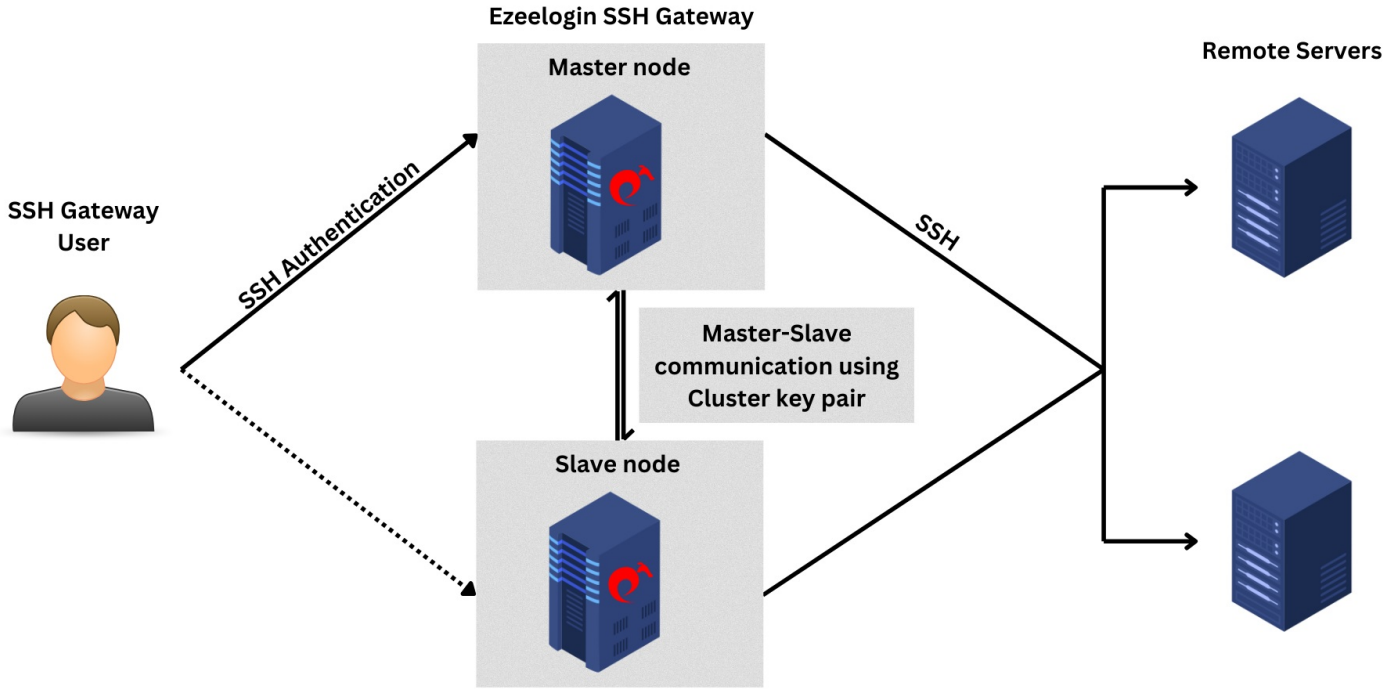
Regenerating cluster keys for primary and secondary nodes in ezeelogin

Overview: This article details how to reset the cluster key in Ezeelogin, focusing on regenerating keys for secure master-slave communication. It covers key type selection, primary node reset commands, and secondary node reinstallation steps.

The cluster key in Ezeelogin is used for master-slave communication and user add/edit functions. The cluster key is generated at the time of Ezeelogin installation. The private key of the cluster key is encrypted and saved in the Ezeelogin database and cannot be retrieved.



Note: Cluster keys 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.**

After upgrading, make sure to regenerate the cluster key with the specified key type and both cluster nodes must support this key type.

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

```
root@primary:~# /usr/local/ezlogin/eztool.php -- -help

-regenerate_cluster_key : Regenerate Cluster SSH key (for connecting to cluster nodes)
-clssh_key_type : Cluster SSH key type (ed25519, ecdsa, dsa, rsa) for SSH to cluster nodes. Note: Both cluster nodes must support this key type. (only for -regenerate_cluster_key)
```

Step 2(A): Enter the following command to reset the cluster key on Primary(master) Ezeelogin. This will regenerate ed25519 key by default. After regenerating the cluster key on the primary node, copy the newly generated key pair to the secondary node using the highlighted SCP command below.

```
root@primary:~# /usr/local/ezlogin/eztool.php -regenerate_cluster_key

Example:

root@primary:~# /usr/local/ezlogin/eztool.php -regenerate_cluster_key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############################
# Ezeelogin Tool #
############################

Checking environment... The memory limit is less than 4 GB. If the script crashes abruptly without any errors, try increasing the PHP memory limit.
done
Checking license... done

Enter the Ezeelogin administrator password: Admin!2345

Initial MySQL character set: utf8mb4
Your current MySQL character set is: utf8mb4
Regenerate cluster key pair...
/
########################################
New cluster key pair has been set up.
########################################

TODO NOTES:
Copy the new cluster key pair to the other node (192.168.0.110).

Command: scp -P <gateway_SSH_port> /usr/local/etc/ezlogin/id_clkey /usr/local/etc/ezlogin/id_clkey.pub root@192.168.0.110:/usr/local/etc/ezlogin/
```

OR

Step 2(B) Enter the following command to **reset the cluster key with specific key type**.

```
root@primary:~# /usr/local/ezlogin/eztool.php -regenerate_cluster_key -clssh_key_type rsa
```

Note: The cluster private key is located at /usr/local/etc/ezlogin/id_clkey and cluster public key at /usr/local/etc/ezlogin/id_clkey.pub

Step 3. Update the new cluster key to the authorized_keys file

```
root@primary:~# cat /usr/local/etc/ezlogin/id_clkey.pub >> /root/.ssh/authorized_keys
```

How to reset the cluster key in secondary/slave node?

Step 1. After regenerating the cluster key on the primary node, run the **highlighted SCP command** displayed in the output to copy the newly generated cluster key pair to the secondary node.

```
root@primary:~# scp -P <gateway_SSH_port> /usr/local/etc/ezlogin/id_clkey /usr/local/etc/ezlogin/id_clkey.pub
root@192.168.0.110:/usr/local/etc/ezlogin/
```

Step 2. Update the new cluster key to the authorized_keys file

```
root@secondary:~# cat /usr/local/etc/ezlogin/id_clkey.pub >> /root/.ssh/authorized_keys
```

FAQ:

1. Can we disable the slave server since we are currently using only the master node?

Certainly, the choice to disable the slave server is yours, but keep a note that data synchronization between the master and slave servers will not occur if the slave is disabled. It is recommended to keep both servers running and synchronized for real-time data updates, as changes made to the master server will automatically sync with the slave server.

Related Articles:

Install slave / secondary node for high availability in jump server

Different types of SSH authentication keys

Using custom private and public keys in Ezeelogin

SSH Key rotation to remote servers

Switch the IP of Master/slave installation

Online URL: https://www.ezeelogin.com/kb/article/how-to-reset-cluster-keys-in-ezeelogin-master-slave-configuration-219.html