Backend Shell feature in Ezeelogin

Exploring the Ezsh Backend Shell Feature in Ezeelogin: A Step-by-Step Overview

Overview: This article describes how Ezeelogin's backend shell feature facilitates centralized server management, automation of tasks, robust security measures, seamless integration, and granular user permissions for efficient IT administration.

Login to the Ezeelogin backend shell via the [Webssh console feature in WebGUI](#) or access the backend shell through any SSH client terminal.
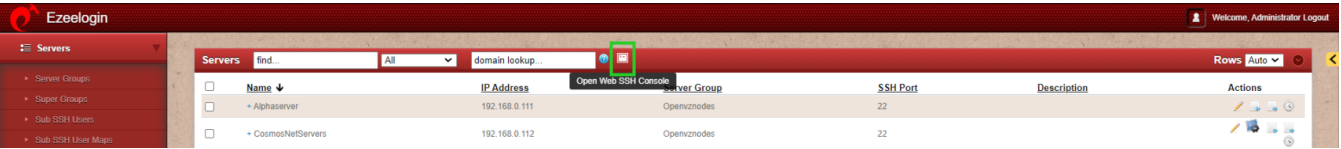
Access remote servers via a Gateway Machine from the Ezsh shell. This will show a comprehensive list of server groups alongside their descriptions as detailed in the Gateway WebGUI.
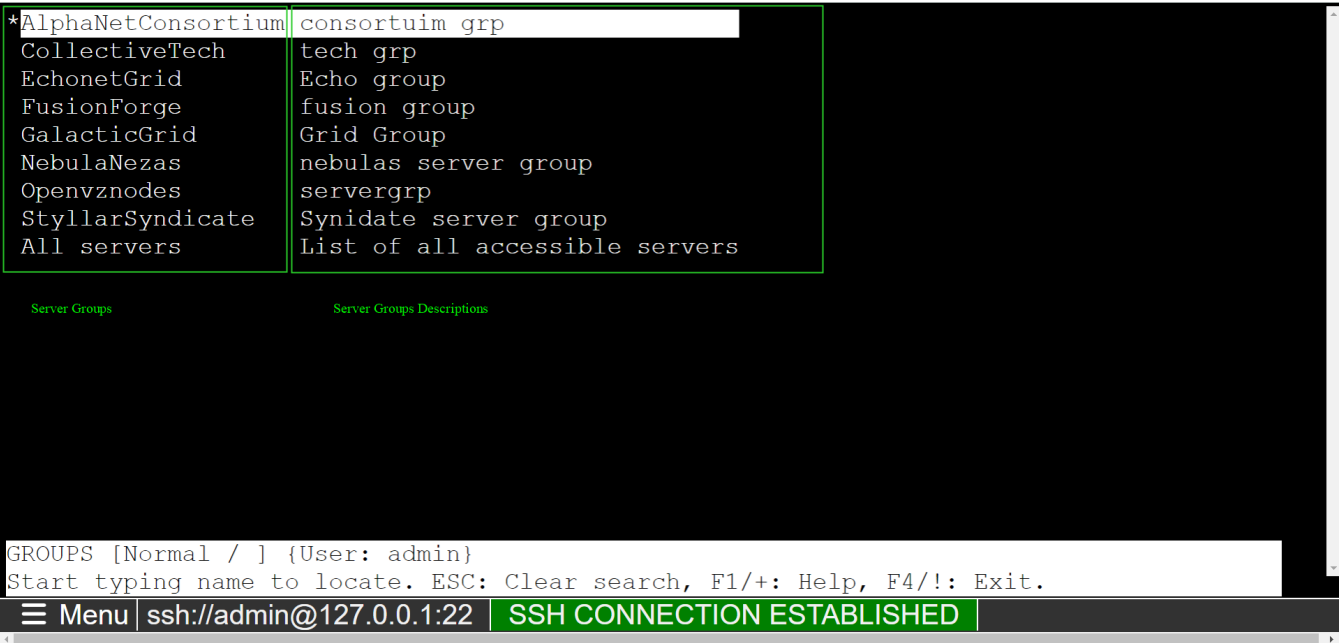
On Navigating to a specific Server group and logging into any remote server (ex: 'Delta Servers in the 'Openvznodes' server group). you will be logged into your remote server ('Delta Server').To retrieve server information, simply press the '**Tab**' key before connecting to the remote server.
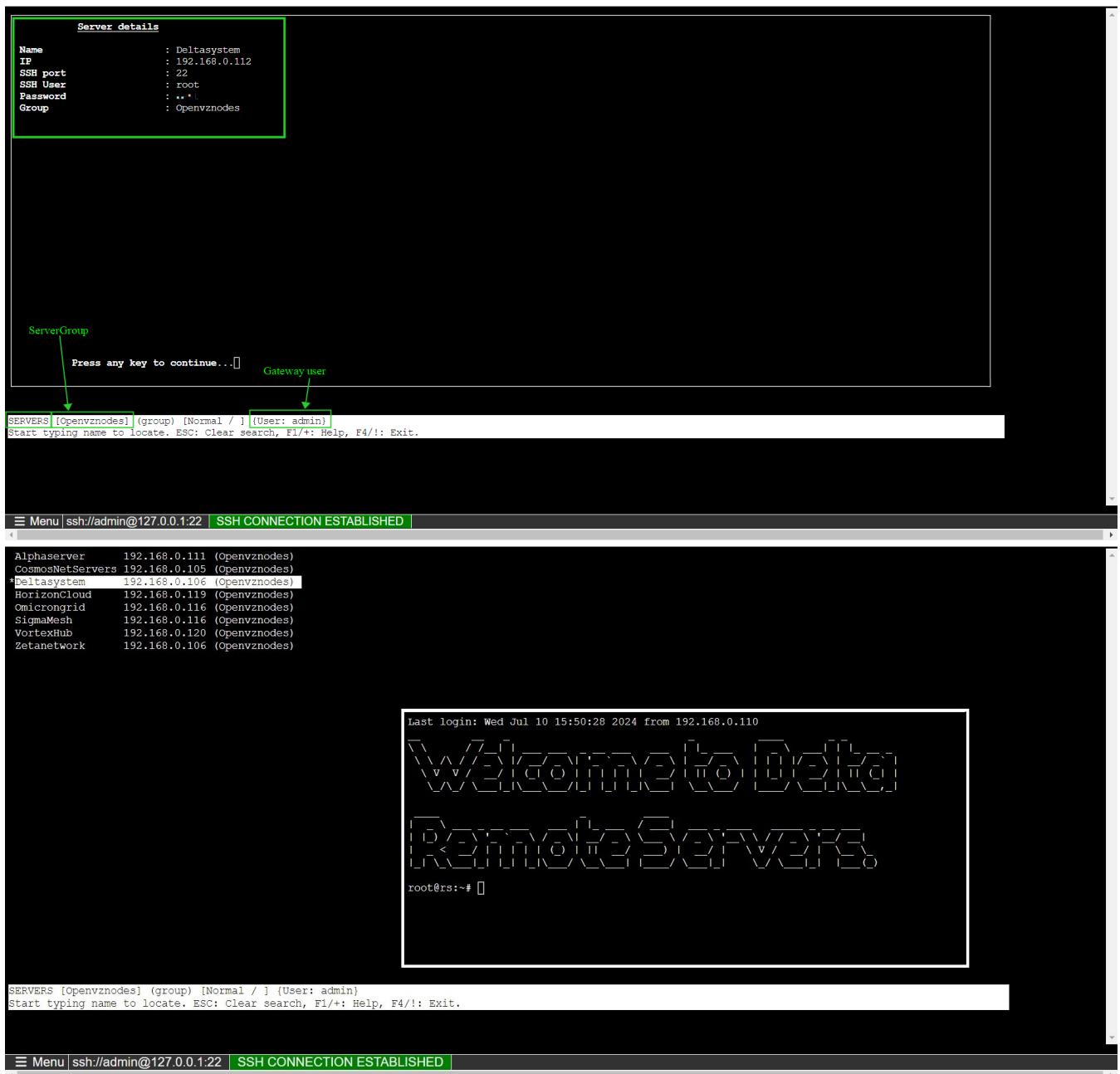
1: **Multi-server Menu.**

Apart from normal remote server login, we can have custom server groups to run/execute commands in multiple servers.

For this, you need to create a 'Mexec list' in the web GUI panel.

Later you can get into the '**custom server group list**' by pressing the '**F7**' key from the keyboard.

```
*Custom server group lists
AlphaNetConsortium        consortuim grp
CollectiveTech            tech grp
EchonetGrid               Echo group
FusionForge               fusion group
GalacticGrid              Grid Group
NebulaNezas               nebulas server group
Openvznodes               servergrp
StyllarSyndicate          Synidate server group
All servers               List of all accessible servers


                                        [list:Custom server group lists]# whoami

                                        Deltasystem

                                        root

                                        SigmaMesh

                                        tom

                                        Successfully executed on all 2 device(s).

                                        [list:Custom server group lists]# []

Show that the user has enabled MExec


                USer logedin

MEXEC [Normal / ] {User: admin}
Start typing name to locate. ESC: Clear search, F1/+: Help, F4/!: Exit.
```

≡ Menu | ssh://admin@127.0.0.1:22 | SSH CONNECTION ESTABLISHED

2: **Interactive Shell.**

Apart from a normal remote server login, a <u>Multi-server interactive shell</u> is useful when you need to execute different commands on a list of servers for which you would need to login individually to the servers. For example, if you want to edit files on the servers. This Multi-server interactive shell feature automatically logs in to the next server in the server list and repeats the process one by one until it goes through all the servers in the mExec list or ServerGroup list, which saves you the time of manually entering into the servers.

To enable interactive you need to enter the '**F8**' key from the Keyboard.

```
Login to server (Deltasystem)? [y/s/x]: y  ◄──────────────
Last login: Wed Jul 10 15:19:15 2024 from 192.168.0.110
root@rs:~# whoami
root
root@rs:~# exit
logout

Continue to next server (SigmaMesh)? [y/s/x]: y  ◄─────────
Last login: Wed Jul 10 15:19:26 2024 from 192.168.0.110
tom@test:~$ whoami
tom
tom@test:~$ █
```

3: **Parallel Shell.**

The parallel shell feature enables SSH gateway users to execute commands simultaneously across multiple servers. Users can run commands across different server groups they have access to, execute commands on all accessible servers, or define custom groups (MExec lists) for specific command executions.

To enable interactive you need to press the 'Enter' key from the Keyboard.

```
[group:All servers]# uptime

Deltasystem
 15:40:12 up 39 min,  2 users,  load average: 0.00, 0.05, 0.02
SigmaMesh
 15:40:12 up 1 day,  6:23,  3 users,  load average: 0.05, 0.02, 0.00

Successfully executed on all 2 device(s).

[group:All servers]# █
```

4: **Passwordless login using SSH Keys.**

SSH Gateway users can configure their [SSH public keys for passwordless authentication](#) to access the ezsh shell (Ezeelogin backend shell) using SSH-authorized keys, eliminating the need for password prompts.

You can [generate your key](#) **and enable adding that public key to any remote server that you need by pressing the 'F2' key or '#' from the Keyboard.**

Paste the public key of the user into the interface and press Enter to confirm and save it for authentication.

5. **Secure Copy Files.**

Secure copy to server.

Here we can also transfer files to the remote server ('Deltasystem'), hence selected as shown. After selecting the server to which the files have to be transferred, to enable secure copy files on the remote server, press '**f9**' or '**%**' to get the secure copy menu.


```
Secure copy to server: Deltasystem. [Enter the source file path relative to /home/admin]
[Source file]> ./ezsh.log
[Destination file]> /root/ezsh.log

Deltasystem

Transferring...
Source: /home/admin/./ezsh.log
Destination: /root/ezsh.log
Size: 64921 bytes
...6%...13%...19%...25%...32%...38%...44%...50%...57%...63%...69%...76%...82%...88%...95%...100%
Closing... done

Successfully executed on all 0 device(s).

Secure copy to server: Deltasystem. [Enter the source file path relative to /home/admin]
[Source file]>
```

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Secure copy to group.

Enable the parallel shell and press the 'F9' Key from the Keyboard. And copy the file to all the servers in the chosen server group.


```
Secure copy to group: Openvznodes. [Enter the source file path relative to /home/admin]
[Source file]> ./ezsh.log
[Destination file]> /root/ezsh.log

SigmaMesh

Transferring...
Source: /home/admin/./ezsh.log
Destination: /root/ezsh.log
Size: 66604 bytes
...6%...12%...18%...25%...31%...37%...43%...49%...55%...61%...68%...74%...80%...86%...92%...98%...100%
Closing... done

Deltasystem

Transferring...
Source: /home/admin/./ezsh.log
Destination: /root/ezsh.log
Size: 66604 bytes
...6%...12%...18%...25%...31%...37%...43%...49%...55%...61%...68%...74%...80%...86%...92%...98%...100%
Closing... done

Successfully executed on all 2 device(s).

Secure copy to group: Openvznodes. [Enter the source file path relative to /home/admin]
[Source file]>
```

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6. We can **access the server via the domain name**: Accessing the server via domain name.

7. We can also do **Port Forwarding** from the Jump Server to target the Remote Server: Open Tunneling Feature.

8. If you have made any changes in the remote servers from GUI.

- You can **refresh the backend** by pressing ' **=** ' from the Keyboard.
- To go back from the remote server list you can press ' '.
- To go ahead and exit the backend shell as per need you need to press '**F4' and** ' **!** ' together.
- To reach the server group directly press the '**F6**' key from the Keyboard.
- To know the Ezeelogin version/About Ezeelogin you can press the ' **|** ' key from the Keyboard.

9. You can check other options by accessing the HELP option by entering the '**+**' key from the Keyboard.

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Skip the Group menu.

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