

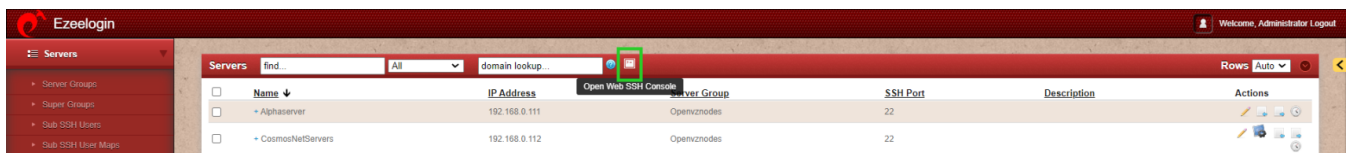
# Backend Shell feature in Ezeelogin

726 Rakhi July 15, 2024 [Features & Functionalities](#) 550

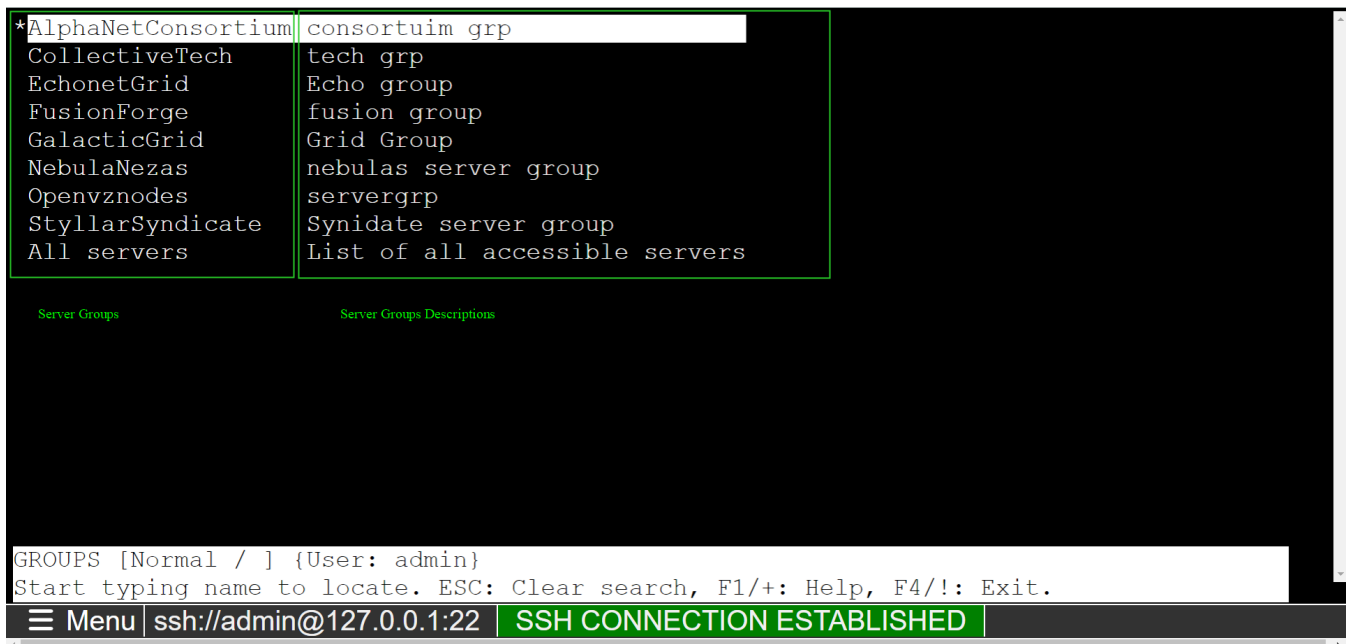
## Exploring the Ezsh Backend Shell Feature in Ezeelogin: A Step-by-Step Overview

**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.

```

Server details
Name      : Deltasystem
IP        : 192.168.0.112
SSH port  : 22
SSH User  : root
Password  : **
Group     : Openvznodes

ServerGroup
Press any key to continue...[] Gateway user

SERVERS [Openvznodes] (group) [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

Alphaserver      192.168.0.111 (Openvznodes)
CosmosNetServers 192.168.0.105 (Openvznodes)
+Deltasystem     192.168.0.106 (Openvznodes)
HorizonCloud     192.168.0.119 (Openvznodes)
Omicrongrid     192.168.0.116 (Openvznodes)
SigmaMesh       192.168.0.116 (Openvznodes)
VortexHub       192.168.0.120 (Openvznodes)
Zetanetwork     192.168.0.106 (Openvznodes)

Last login: Wed Jul 10 15:50:28 2024 from 192.168.0.110
Welcome to OpenVZ!
Deltasystem
Remote Servers
root@rs:~#

SERVERS [Openvznodes] (group) [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

```

## 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      consortium grp
CollectiveTech          tech grp
EchonetGrid            Echo group
FusionForge            fusion group
GalacticGrid           Grid Group
NebulaNebzas          nebula server group
Openvnodes            servergrp
StyllarSyndicate       Syndicate 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)#

```

```

MEEXEC [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 [Multi-server interactive shell](#) 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:~$
```

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

### 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).

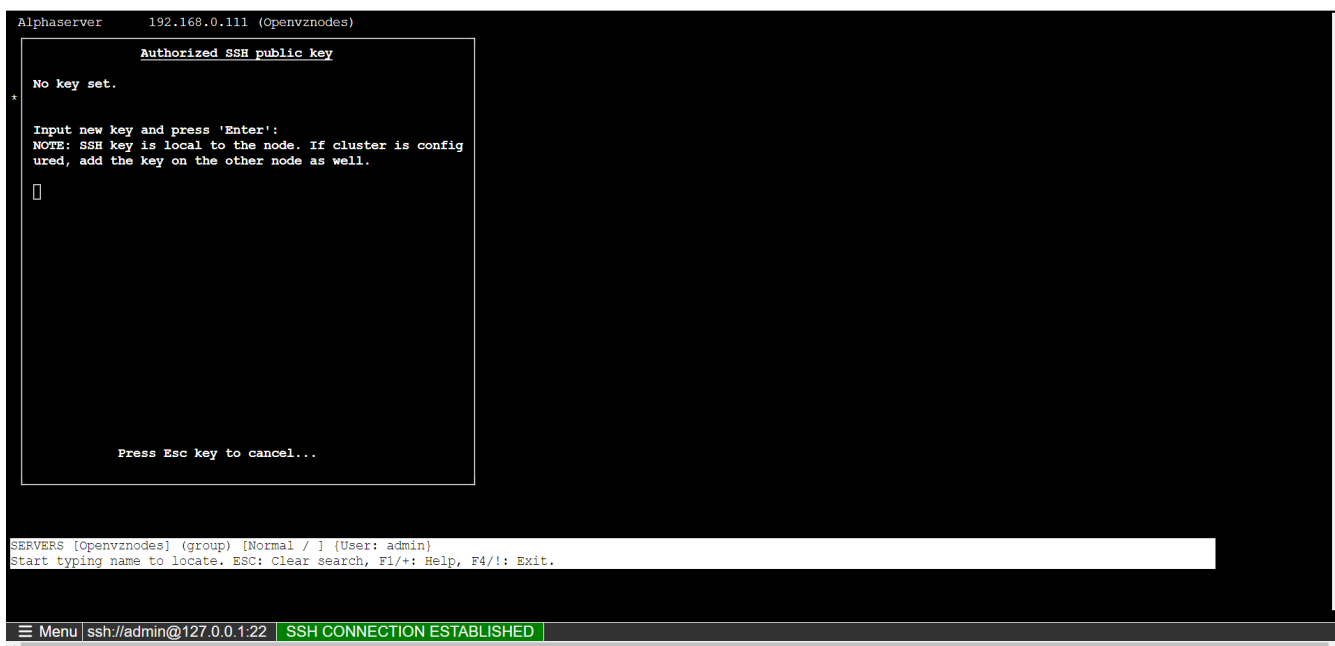
[group:All servers]#
```

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

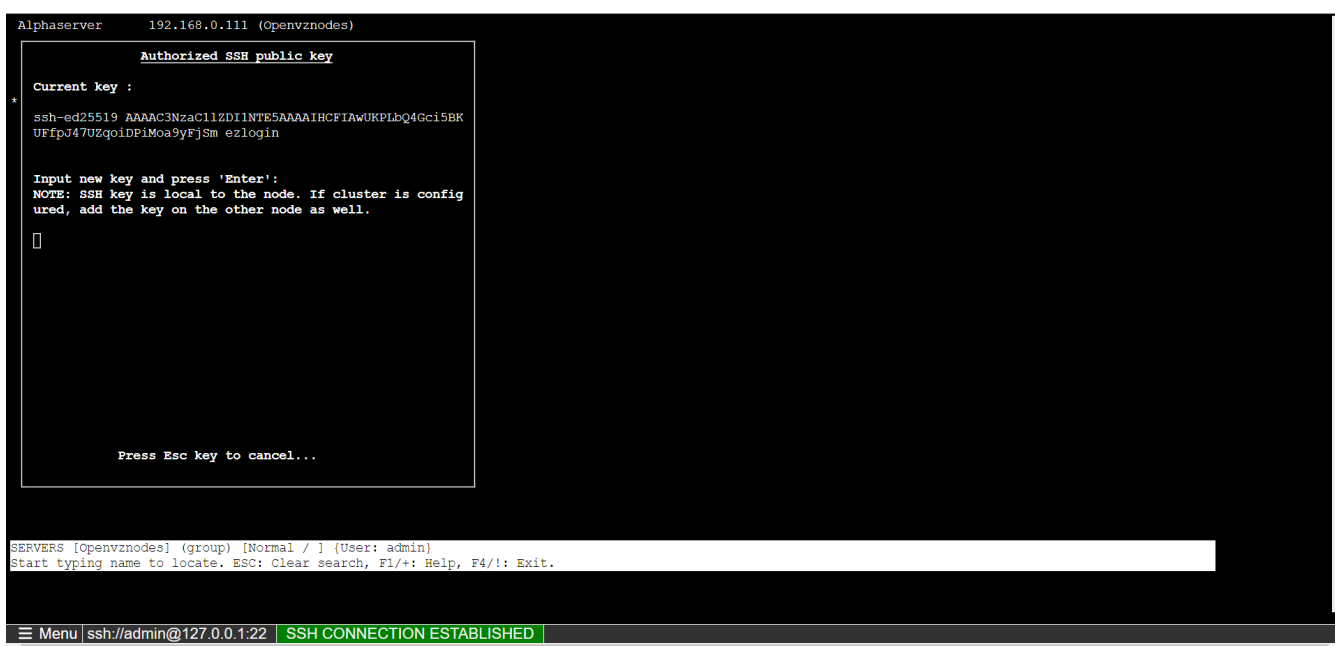
### 4: Passwordless login using SSH Keys.

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]> 
```

### 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]> 
```

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.

```
*Deltasystem 192.168.0.112 (Openvznodes)
About
Ezeelogin version 7.37.0
Copyright: ADMOD, Inc.
http://www.ezeelogin.com/
support@ezeelogin.com
Press any key to continue...

SERVERS [Openvznodes] (group) [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
```

9. You can check other options by accessing the [HELP](#) option by entering the '+' key from the Keyboard.

```
*Alphaserver 192.168.0.111 (Openvznodes)
Help
Up arrow      Move selection up
Down arrow    Move selection down
Right arrow   Move selection to next match
Left arrow    Move selection to previous match
Page Up       Scroll up one screen
Page Down     Scroll down one screen
ESC           Clear incremental search buffer
Backspace     Clear last character from search buffer
Tab           Show details of the current server
Enter         Choose the current selection
F1 or +       Context help
F2 or #       View/change authorized SSH key
F3 or |       About Ezeelogin
F4 or !       Exit
F5 or =       Refresh current list
F6 or _       Group menu
F7 or `       Multi-server menu
F9 or %       Secure copy to server(s)
^ or ^        Secure copy from server(s)
F10 or ,     Change menu mode (normal/search)
F11 or ]     Enter domain name to locate and login to the server hosting the domain
F12 or \     Go to previous menu
[ or [        Establish SSH Tunnel from gateway to this server
Press any key to continue...

SERVERS [Openvznodes] (group) [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
```

## Related Articles:

[Access Ezeelogin Backend Shell.](#)

[Prompt Username & Password.](#)

[Skip the Group menu.](#)

[Toggle through search options.](#)

Online URL: <https://www.ezeelogin.com/kb/article/backend-shell-feature-in-ezeelogin-726.html>