

## Section 6: CyberPanel CLI

The **CyberPanel Command Line Interface (CLI)** provides powerful tools to manage and configure the server directly from the terminal.

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### 1. Accessing CyberPanel CLI

Log into your server through SSH.

- 1. Open SSH Terminal:**
  - Use an SSH client like **PuTTY** (Windows) or the terminal (Linux/macOS) to access the server.
- 2. Login via SSH:**
  - **ssh username@11.22.33.44**
  - Enter your password to log in.
- 3. Switch to Root (if needed):**

If logged in as a regular user, you can switch to root using:

**sudo -i** or **sudo su -**

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### 2. Basic CyberPanel CLI Commands

CyberPanel's CLI commands cover a wide range of operations such as managing websites, databases, email, DNS, and more.

#### A. Managing Websites via CLI

**List all websites on the server:**

**cyberpanel listWebsitesPretty**

- This command will show a list of all websites hosted on the server along with their details.

### Create a new website:

```
cyberpanel createWebsite -- package Default --domainName  
<domain_name> --owner <owner> --email <email> --phpVersion  
<php_version>
```

```
[root@srv ~]# cyberpanel listWebsitesPretty  
0  
[root@srv ~]# cyberpanel createWebsite --package Default --owner admin --domainName lintsawa.net --email info@lintsawa.com --php  
8.1  
{"success": 1, "errorMessage": "None"}
```

- This allows you to quickly create a new website with the specified domain name, owner, and PHP version.

### Delete a website:

```
cyberpanel deleteWebsite --domainName <domain_name>
```

```
[root@srv ~]# cyberpanel deleteWebsite --domainName lintsawa.net  
{"success": 1, "errorMessage": "None"}  
[root@srv ~]# █
```

- Deletes a website based on the domain name provided.

## B. Managing Databases via CLI

### Create a new MySQL database:

```
cyberpanel createDatabase --dbUser <db_user> --dbPassword  
<password> --dbName <db_name> --owner <owner>
```

- This will create a MySQL database with the specified credentials.

**Delete a MySQL database:**

```
cyberpanel deleteDatabase --dbName <db_name> --dbUser  
<db_user>
```

## **C. Managing Emails via CLI**

**Create a new email account:**

```
cyberpanel createEmail --domainName <domain_name> --email  
<email> --password <password>
```

- Create a new email account for the given domain.

**Delete an email account:**

```
cyberpanel deleteEmail --domainName <domain_name> --email  
<email>
```

## **D. Managing DNS Records via CLI**

**Create a new DNS record:**

```
cyberpanel createDNSRecord --domainName <domain_name>  
--recordName
```

- Add a DNS record to a specific domain.

**Delete a DNS record:**

```
cyberpanel deleteDNSRecord --domainName <domain_name>  
--recordName <record_name>
```

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### **3. More CyberPanel CLI Actions**

CyberPanel CLI also supports advanced actions that administrators may need to use frequently.

#### **A. Managing SSL via CLI**

**Issue an SSL certificate for a domain:**

```
cyberpanel issueSSL --domainName <domain_name>
```

- This command uses Let's Encrypt to issue an SSL certificate for the specified domain.

**Delete SSL for a domain:**

```
cyberpanel deleteSSL --domainName <domain_name>
```

#### **B. Managing DNS via CLI**

**Enable DNS for a website:**

```
cyberpanel enableDNS --domainName <domain_name>
```

**Disable DNS for a website:**

```
cyberpanel disableDNS --domainName <domain_name>
```

**For More Details, Refer to this documentation guide:**

<https://community.cyberpanel.net/t/cyberpanel-command-line-interface/30683>

**Other System CLI Actions : Checking Logs via CLI**

**a) View CyberPanel Main Logs:**

```
cat /usr/local/lscp/logs/error.log
```

- This will display the main CyberPanel logs.

**b) View Web Server Access Logs:**

```
cat /usr/local/lsws/logs/access.log
```

**c) View Web Server Error Logs:**

```
cat /usr/local/lsws/logs/error.log
```

**d) Restarting Services via CLI**

If services like web server, database, or mail server face issues, you can restart them via the CLI:

**Restart OpenLiteSpeed:**

```
systemctl restart lsws or /usr/local/lsws/bin/lswsctrl restart
```

```
[root@srv ~]#  
[root@srv ~]#  
[root@srv ~]#  
[root@srv ~]# /usr/local/lsws/bin/lswsctrl restart ← Recommended method  
[OK] Send SIGUSR1 to 241939  
[root@srv ~]#
```

### Restart MariaDB (MySQL):

**systemctl restart mariadb.service**

```
[root@srv ~]#  
[root@srv ~]#  
[root@srv ~]# systemctl restart mariadb.service ←  
[root@srv ~]# systemctl status mariadb.service  
● mariadb.service - MariaDB 10.11.9 database server  
   Loaded: loaded (/usr/lib/systemd/system/mariadb.service; enabled; vendor preset: disabled)  
   Drop-In: /etc/systemd/system/mariadb.service.d  
            └─migrated-from-my.cnf-settings.conf  
   Active: active (running) since Tue 2024-10-29 06:03:07 EDT; 16s ago  
     Docs: man:mariadb(8)  
           https://mariadb.com/kb/en/library/systemd/  
   Process: 242296 ExecStartPost=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=exited, status=0/SUCCESS)  
   Process: 242273 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] && VAR= || VAR=/usr/bin/galera_recovery; [ $? -e  
   Process: 242270 ExecStartPre=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=exited, status=0/SUCCESS)  
 Main PID: 242283 (mariabdd)  
   Status: "Taking your SQL requests now..."  
   Tasks: 13 (limit: 5628)  
  Memory: 109.4M  
   CGroup: /system.slice/mariadb.service  
           └─242283 /usr/bin/mariabdd
```

### Restart Postfix (Mail Server):

**systemctl restart postfix.service**

```
[root@srv ~]# systemctl restart postfix.service ←  
[root@srv ~]# systemctl status postfix.service  
● postfix.service - Postfix Mail Transport Agent  
   Loaded: loaded (/usr/lib/systemd/system/postfix.service; enabled; vendor preset: disabled)  
   Active: active (running) since Tue 2024-10-29 06:04:34 EDT; 8s ago  
   Process: 242496 ExecStop=/usr/sbin/postfix stop (code=exited, status=0/SUCCESS)  
   Process: 242512 ExecStart=/usr/sbin/postfix start (code=exited, status=0/SUCCESS)  
   Process: 242510 ExecStartPre=/usr/libexec/postfix/chroot-update (code=exited, status=0/SUCCESS)  
   Process: 242507 ExecStartPre=/usr/libexec/postfix/aliasesdb (code=exited, status=0/SUCCESS)  
 Main PID: 242582 (master)  
   Tasks: 3 (limit: 4548)  
  Memory: 4.2M  
   CGroup: /system.slice/postfix.service  
           └─242582 /usr/libexec/postfix/master -w  
             └─242583 pickup -l -t unix -u
```

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## 5. Additional CyberPanel CLI Resources

**Help Command:** For a full list of available CyberPanel CLI commands and their options, you can always refer to the help command:

### cyberpanel --help

```
[root@srv ~]# cyberpanel --help
usage: cyberpanel [-h] [--package PACKAGE] [--owner OWNER]
                [--masterDomain MASTERDOMAIN] [--childDomain CHILDDOMAIN]
                [--domainName DOMAINNAME] [--email EMAIL] [--php PHP]
                [--ssl SSL] [--dkim DKIM] [--openBasedir OPENBASEDIR]
                [--fileName FILENAME] [--backupPath BACKUPPATH]
                [--packageName PACKAGENAME] [--diskSpace DISKSPACE]
                [--bandwidth BANDWIDTH] [--emailAccounts EMAILACCOUNTS]
                [--dataBases DATABASES] [--ftpAccounts FTPACCOUNTS]
                [--allowedDomains ALLOWEDDOMAINS] [--name NAME]
                [--recordType RECORDTYPE] [--value VALUE]
                [--priority PRIORITY] [--ttl TTL] [--recordID RECORDID]
                [--dbName DBNAME] [--dbUsername DBUSERNAME]
                [--dbPassword DBPASSWORD]
                [--databaseWebsite DATABASEWEBSITE] [--userName USERNAME]
                [--password PASSWORD] [--firstName FIRSTNAME]
                [--lastName LASTNAME] [--websitesLimit WEBSITESLIMIT]
                [--selectedACL SELECTEDACL] [--securityLevel SECURITYLEVEL]
                [--state STATE] [--siteTitle SITETITLE] [--path PATH]
                [--licenseKey LICENSEKEY]
                function

CyberPanel Command Line Interface!

positional arguments:
  function                Specific a operation to perform!

optional arguments:
  -h, --help            show this help message and exit
  --package PACKAGE     Select a package for website.
  --owner OWNER         Select a website owner.
  --masterDomain MASTERDOMAIN
                        Master domain argument, which is required for creating
```

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- **CyberPanel Documentation:**
- <https://community.cyberpanel.net/t/cyberpanel-command-line-interface/30683>