

AI-03000 phpmyAdmin Cockpit Webmin in Ubuntu Server

Owner	© Rigel Arcayan
Tags	Project
Created time	@September 15, 2025 7:11 PM

Setting up Cockpit, Webmin, and phpMyAdmin on an Ubuntu server involves a series of installations and configurations. Here's a step-by-step guide for each of these tools.

Cockpit

Cockpit is a web-based graphical interface for Linux servers that makes it easy to manage your server through a browser.

1. **Update Package Repositories:** Before installing anything, it's a good practice to update your system's package list.

```
sudo apt update
```
2. **Install Cockpit:** Install the Cockpit package using apt.

```
sudo apt install cockpit
```
3. **Start and Enable Service:** Ensure the Cockpit service is started and enabled to run automatically at boot.

```
sudo systemctl start cockpit
```

```
sudo systemctl enable cockpit
```
4. **Open Firewall Port:** Cockpit uses port 9090. If you have a firewall like UFW (Uncomplicated Firewall) enabled, you need to allow traffic on this port.

```
sudo ufw allow 9090/tcp
```
5. **Access Cockpit:** Open your web browser and navigate to `https://your-server-ip:9090`. Log in with your server's username and password.

Webmin

Webmin is another popular web-based control panel for system administration, offering a comprehensive set of tools for managing users, services, files, and more.

1. Update Package Index: Start by updating your system's package index.

```
sudo apt update
```

2. Download and Run Setup Script: The easiest way to install Webmin is by using the official setup script, which automatically adds the necessary repository and GPG key.

```
curl -o webmin-setup-repo.sh
```

```
https://raw.githubusercontent.com/webmin/webmin/master/webmin-setup-repo.sh
```

```
sudo sh webmin-setup-repo.sh
```

3. Install Webmin: Now, you can install the webmin package.

```
sudo apt install webmin --install-recommends
```

4. Open Firewall Port: Webmin runs on port 10000. Allow this port through your firewall.

```
sudo ufw allow 10000/tcp
```

5. **Access Webmin:** In your browser, go to `https://your-server-ip:10000`. You'll likely see a security warning because Webmin uses a self-signed SSL certificate. You can safely proceed past this warning. Log in using your Ubuntu server credentials.

phpMyAdmin

phpMyAdmin is a web-based tool designed to handle the administration of MySQL or MariaDB databases. It requires a web server (like Apache) and PHP to function.

1. Install LAMP Stack (if not already installed): phpMyAdmin requires a web server, a database server, and PHP. If you don't have them, you can install a basic LAMP (Linux, Apache, MySQL, PHP) stack.

```
sudo apt install apache2 mysql-server php libapache2-mod-php php-mysql  
php-mbstring php-zip php-gd php-json php-curl -y
```

2. Install phpMyAdmin: During the installation, you'll be prompted to choose a web server and configure the database.

```
sudo apt install phpmyadmin -y
```

- **Web Server Selection:** When the prompt appears, use the **spacebar** to select **apache2** (an asterisk will appear) and then press **Enter**.
 - **Configure Database:** Select **Yes** to configure the database for phpMyAdmin.
 - **Password:** You'll be asked to set a password for the phpMyAdmin application itself. Enter a strong password and remember it.
3. Enable PHP Extension: Enable the mbstring PHP extension, which is required by phpMyAdmin.

```
sudo phpenmod mbstring
```

4. Restart Apache: Restart the Apache web server to apply the changes.

```
sudo systemctl restart apache2
```

5. **Access phpMyAdmin:** Open your browser and navigate to `http://your-server-ip/phpmyadmin`. You can then log in with your MySQL/MariaDB root user and the password you set during the database configuration.

This video provides a practical example of installing Cockpit on a Linux server, which can be helpful to visualize the process.

How to Install Cockpit on Linux Server in 2025 | EP 29 | How to Setup a Homelab