

AI-02042 MantisBT Issue Tracker in Ubuntu Server

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Tags	Project
Created time	@August 30, 2025 2:04 AM

I need to install MantisBT to Ubuntu Server running on Hyper-V server. The Ubuntu server is now up and running and updated and needed the following:

1. **mysql**
2. **PHP**
3. **Apache2**
4. **MantisBT**

List all the sudo commands I need to accomplish the installation so that MantisBT opens to the login page.

To install MantisBT on an Ubuntu server, you'll need to set up a LAMP (Linux, Apache, MySQL, PHP) stack first. The following commands will guide you through the process, from installing the necessary components to configuring MantisBT.

Installing the LAMP Stack

First, install Apache, MySQL, and PHP along with the required PHP extensions.

Bash

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

Now, secure your MySQL installation and set a password for the root user.

Bash

```
sudo mysql_secure_installation
```

You'll be prompted to set up the **VALIDATE PASSWORD COMPONENT**. It's recommended to choose 'N' for 'No' to avoid strict password policies for this simple installation. Then, set a **new password for the root user** and answer 'Y' to all the following security questions to remove anonymous users, disallow remote root login, and remove the test database.

Setting up the Database

Log in to MySQL as the root user and create a database and a user for MantisBT.

Bash

```
sudo mysql -u root -p
```

Enter the root password you just set. Once logged in, run the following commands, replacing `mantis_user` and `mantis_password` with your desired username and password.

SQL

```
CREATE DATABASE mantis_db;  
CREATE USER 'mantis_user'@'localhost' IDENTIFIED BY 'mantis_password';  
GRANT ALL PRIVILEGES ON mantis_db.* TO 'mantis_user'@'localhost';  
FLUSH PRIVILEGES;  
EXIT;
```

Installing and Configuring MantisBT

Now, download the latest stable version of MantisBT and extract it to the web root directory.

Bash

```
sudo wget https://downloads.sourceforge.net/project/mantisbt/mantis-stable/2.26.0/mantisbt-2.26.0.zip  
sudo apt install unzip -y  
sudo unzip mantisbt-2.26.0.zip -d /var/www/html/  
sudo mv /var/www/html/mantisbt-2.26.0 /var/www/html/mantisbt
```

Set the correct file permissions so Apache can access the files.

Bash

```
sudo chown -R www-data:www-data /var/www/html/mantisbt  
sudo chmod -R 755 /var/www/html/mantisbt
```

Final Steps and Accessing the Installation

Now, restart Apache to apply the changes.

Bash

```
sudo systemctl restart apache2
```

MantisBT is now installed and ready for configuration. To access the installation page, open a web browser and navigate to your server's IP address followed by `/mantisbt`. For example, `http://<your_server_ip>/mantisbt`.

The initial setup page will prompt you for the database connection details. Use the information you created earlier:

- **Database Host:** `localhost`
- **Database User:** `mantis_user`
- **Database Name:** `mantis_db`
- **Database Password:** `mantis_password`

After filling out the form, click **'Install Database'** to complete the installation. You will be redirected to the login page. The default administrator account is `administrator` with the password `root`. You must change this immediately after logging in.

In MantisBT, I'm intending to use the application for a condo building maintenance, is it possible to trim down the UI to tailor what I need it for? How? VSCode?

Yes, you can absolutely trim down and tailor the MantisBT UI to better suit your needs for a condo building's maintenance. MantisBT is highly configurable and offers several ways to simplify the interface without needing to directly edit the core source code. This is done through the admin panel, not with a code editor like VSCode.

How to Trim Down the UI

The key to customizing MantisBT for your purpose lies in its administrative settings. You don't need to be a programmer to make these changes.

1. Manage Projects and Categories

First, create a project for your condo building. Within this project, you can define categories that represent different types of maintenance issues, such as "Electrical," "Plumbing," "HVAC," "Elevator," etc. This helps organize tickets from the start and makes them easier to sort.

2. Hide Unnecessary Fields

MantisBT comes with many fields that are standard for bug tracking but are not relevant for maintenance. To hide them:

- Go to Manage > Manage Configuration > Field Customization.
- Here, you can set the visibility of various fields (e.g., "Version," "Build," "Target Version") for different user roles and projects.
- For a simple maintenance system, you can hide most of these fields so they don't appear when users report an issue. This will make the "Report Issue" page much cleaner and simpler.

1. Create Custom Fields

This is the most powerful feature for tailoring MantisBT. You can create your own custom fields to track specific information relevant to condo maintenance.

- Go to Manage > Manage Custom Fields.
- Create new fields like "Apartment Number," "Urgency Level," "Access Notes," or "Preferred Contact Method."
- You can define the type of field (e.g., text, list, date) and link it to your maintenance project. This replaces generic bug tracking fields with information that is meaningful to your building's operations.

1. Configure Status Values

You can rename or create new status values to match your maintenance workflow. Instead of statuses like "New," "Acknowledged," and "Resolved," you could use "Reported," "Assigned to Team," "On Hold (Pending Parts)," and "Completed." This makes the workflow intuitive for your users.

- Go to Manage > Manage Configuration > Workflow Thresholds.
- You can also manage status values in Manage > Manage Statuses.

1. Adjust My View Page

The "My View" page is the user's dashboard. You can configure which sections appear there to show only the most important information.

- Navigate to Manage > Manage Configuration > My View Settings.

- You can decide which boxes to display, such as "Assigned to Me," "Reported by Me," and "Recently Modified Issues," while hiding others like "Unassigned Issues" or "Monitored by Me."

By following these steps, you can transform MantisBT from a generic bug tracker into a streamlined and highly effective maintenance management system for your condo building, all without writing a single line of code.