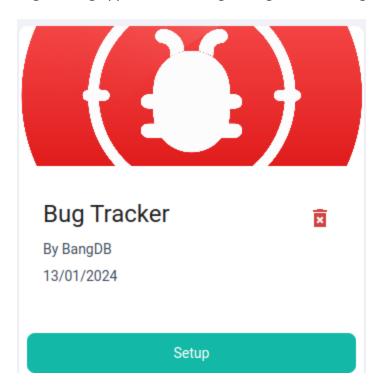
Bug-Tracker

Introduction

In the ever-evolving realm of software development, effective bug management and resolution are pivotal for project success. Whether you're at the helm of a developer team handling a substantial project or an individual developer seeking an organized bug tracking approach, the BangDB BugTracker emerges as a valuable and reliable solution.



Why this App?

The BangDB BugTracker excels in capturing comprehensive bug information. promoting team collaboration through assigned bug responsibilities, monitoring the entire lifecycle, and presenting user-friendly interface for effortless navigation. It establishes a centralized repository for all bug-related data, fostering a streamlined bug tracking process that not only saves time and effort for developers but also enhances transparency and communication efficiency.

Transitioning to the benefits of the BangDB BugTracker, its primary

advantage lies in simplifying bug tracking processes and elevating overall project efficiency. By offering a clear overview of the bug landscape, it empowers project leaders with real-time bug tracking data, facilitating effective project management. Communication is significantly improved through seamless collaboration among team members, minimizing miscommunication during bug resolution efforts. Furthermore, the system boasts customization options, allowing users to tailor the BugTracker to their specific project requirements and seamlessly integrate it into diverse development workflows.

Differentiators

What makes BangDB BugTracker different from others:-

- Installs or imports bugs in minutes. Users don't have to spend time on install or imports. The app is ready to use within minutes.
- The learning curve is very small. Very simple and easy to learn and use.
- Create N number of projects and groups based on your requirements.
- Customize it by adding custom fields to different groups, define timeline, etc.
- Assign assignee based on condition or in round robin manner or assign when developer is login.
- Assign fixed numbers of bugs to developers.
- Bugs can be created manually or Can be sent from monitoring systems.
- Send mail to a set of emailID.
- It offers role-based access control.

One image depicting

| Features | BangDB | Zoho | YouTrack | Bugzilla | Redmine | Jira |
|--------------------------|--------|----------------|----------------|----------------|----------------|----------------|
| Add Custom Fields | Yes | No | Yes | Yes | No | Yes |
| Dashboards/ Reports | Yes | Yes | Yes | Yes | Yes | Yes |
| Customizable workflow | Yes | Yes | Yes | Yes | No | Yes |
| Email notification | Yes | Yes | Yes | Yes | Yes | Yes |
| Multiple projects | Yes | Yes License | Yes License | Yes License | Yes License | Yes License |

| Link_duplicate_bug | No | Yes | No | Yes | No | Yes |
|-----------------------------|-----|-----|-----|-----|-----|-----|
| Full text search | Yes | Yes | Yes | Yes | Yes | Yes |
| API/email for bugs creation | Yes | Yes | Yes | Yes | Yes | Yes |
| Condition based assignee | Yes | No | No | Yes | Yes | Yes |

Features

- 1. Comprehensive Bug Details:
- Capture essential information about each bug, such as when it was initially reported.
- Record crucial details to understand the nature of the issue and its impact on the project.
- 2. Collaborative Work Environment:
- Facilitate teamwork by assigning bugs to specific team members.
- Track the progress of bug resolution with ease, ensuring a streamlined and collaborative development process.
- 3. Status Tracking:
 - Monitor the status of each bug, from identification to resolution.
 - Gain real-time insights into the current state of the project, enabling better decision-making.
- 4. User-Friendly Interface:
 - Provide a user-friendly interface that caters to both teams and solo developers.
- Simplify bug tracking tasks, enhancing productivity and reducing the time spent on administrative overhead.
- 5. Centralized Information Hub:
 - Establish a centralized repository for all bug-related information.
- Foster transparency by allowing team members to access critical details about each bug at any point in the development lifecycle.
- 6. Store important docs and files right in the project

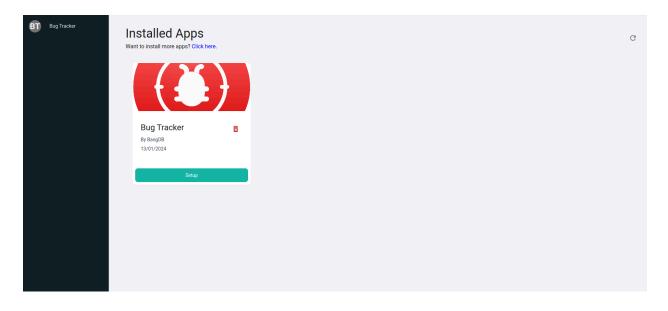
- Attach all documents related to a bug.
- 7. Add Custom fields based on your requirements.
- You can add mandatory fields in the bugs that developers have to fill before closing the bug.
- 8. Auto Assign the bug.
- Assign the bugs based on condition or in round robin manner.
- -You can also fix the number of bugs assigned to a developer by using quota.
- 9. Raise a bug from a monitoring system.
- You can raise a bug by sending monitoring data to a stream.
- You can use an API to raise a bug.

BangDB BugTracker Set Up

For a seamless integration of the BangDB BugTracker App into your workflow, follow these step-by-step installation instructions. Note that we assume you have already installed the app from the App Store:

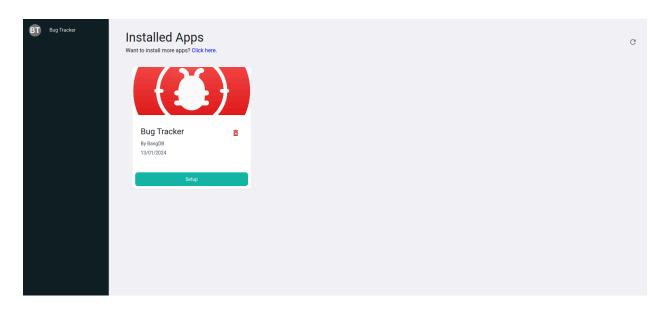
1. Login to Your BangDB Account

Access your BangDB account by logging in with your credentials.

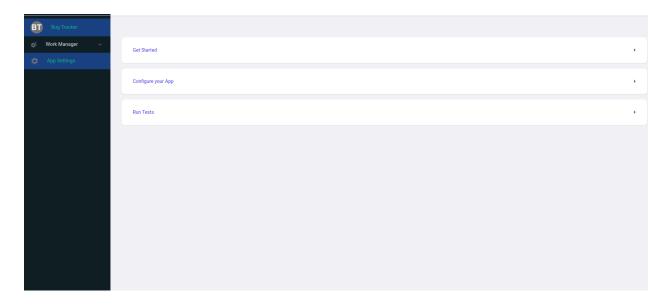


2. Initiate the setup process by clicking on the "Set up" button.

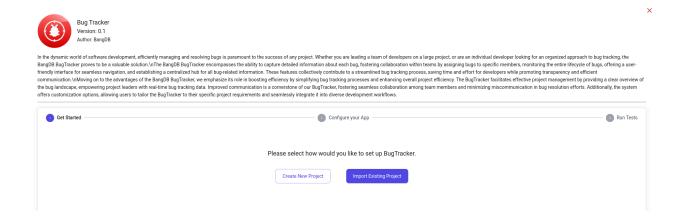
Navigate to the Ampere platform to access a comprehensive list of all installed apps. To configure the BangDB BugTracker, simply click on the "Set Up" option linked with the BugTracker.



3. Click on "Get Started" to either create new projects or import existing ones



4. Select the setup option based on your preference: either create a new project or import from ZOHO.

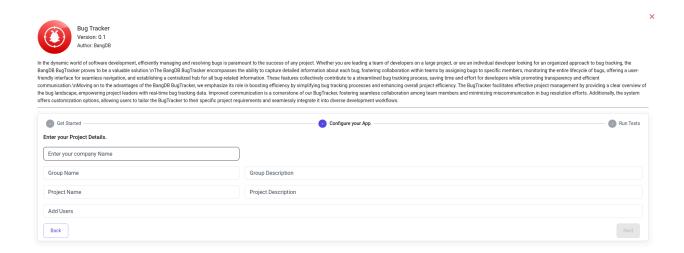


4.1.1 Opt for "Create New Project"

Select "Create New Project" if you are initiating a new project. Fill in the following fields:

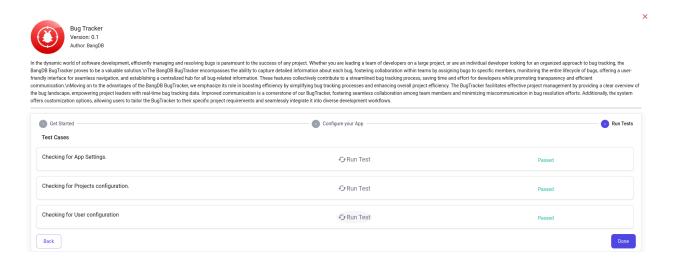
- Company Name: your company name
- Group Name: department ID or the ID of the group to which the project belongs.
- Group Description
- Project Name: Project ID. ID which represents the project.
- Project Description
- Add Users to the Project: create new users by typing or select from existing users. For new users, Ampere will request their email ID.

NOTE:Ensure that both group and project names consist of a maximum of 16 characters without spaces or special characters.



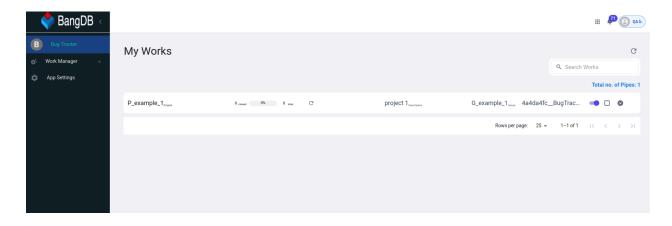
4.1.2. Run Test Cases

After entering the project details, run the test cases to validate the settings. Click on "Next" to proceed.

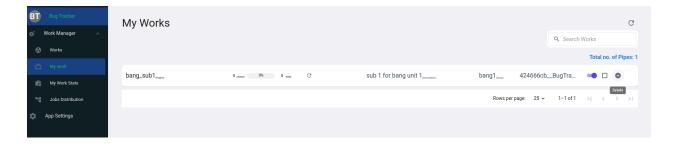


4.1.3. Complete Setup

Click on "Done" to complete the setup process. You will be redirected to the "My Works" page on Ampere.

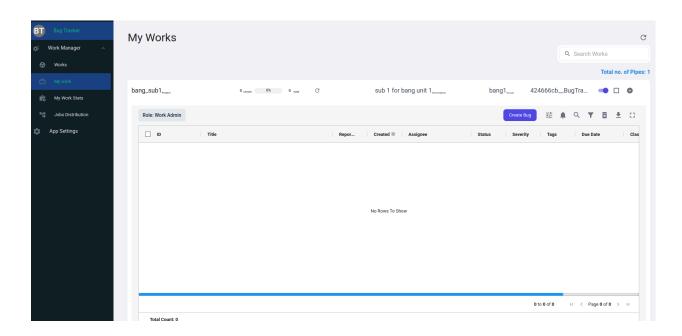


Select "Details" to access information pertaining to bugs associated with that specific project.



4.1.4. Create a Bug

On the "My Works" page, locate the "details" icon (first from the right) and click on it. From the options available, click on "Create Bug." Fill in the necessary bug details, then click "Submit" to finalize the bug creation.

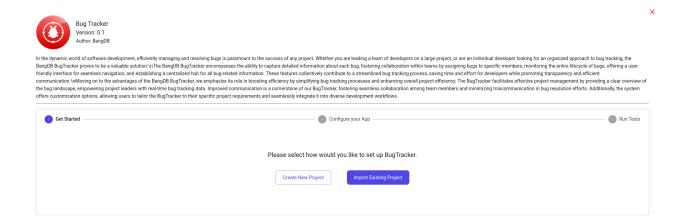


Importing Existing Project into BangDB BugTracker: Step-by-Step Guide

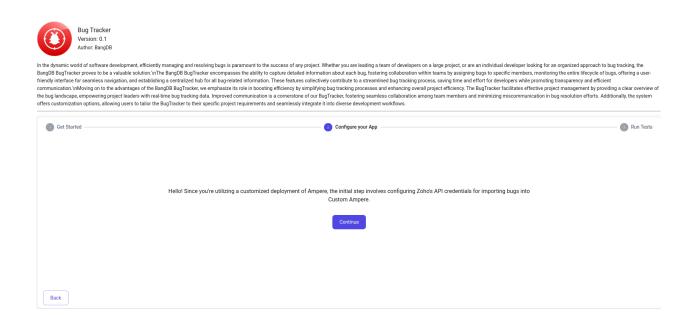
Effortlessly import an existing project into BangDB BugTracker with the following step-by-step guide:

4.2.1. Click on "Import Project"

In the BangDB BugTracker interface, locate and click on the "Import Project" option to initiate the process of importing an existing project.



4.2.2. Authorize with Zoho



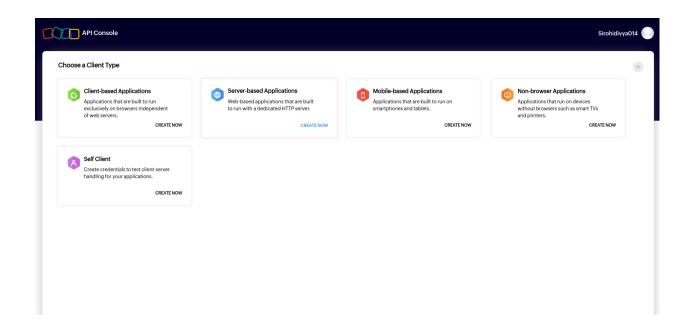
To import bugs from ZOHO, it is necessary to obtain authorization from ZOHO. Click "Continue".

4.2.3 Creating server client on Zoho.

Upon clicking "Set Up Zoho", you will be redirected to the Zoho API Console after login in.



here you will need to choose "Server-based Application" after clicking on "Get Started".



4.2.4. Click on "Create Now" for Server-based Application.

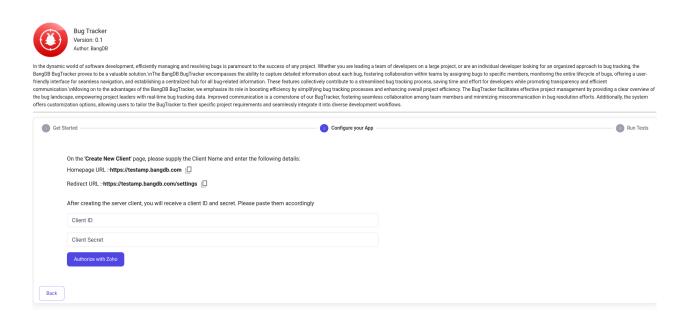


On the 'Create New Client' page, please supply the Client Name and enter the following details:

Homepage URL:-https://testamp.bangdb.com

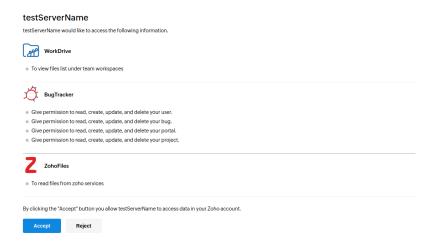
Redirect URL:-https://testamp.bangdb.com/settings

After creating the server client, you will receive a client ID and secret. Please paste them accordingly.



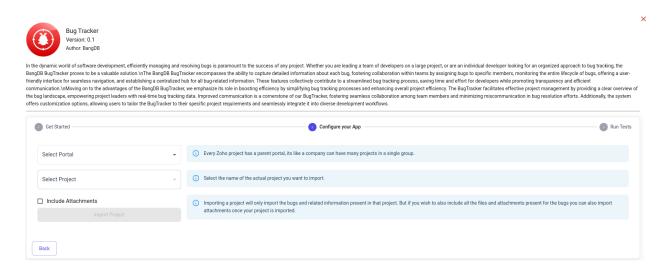
4.2.5. Accept Authorization

After authorizing with Zoho, you will be presented with an authorization screen. Click on the "Accept" button to grant the necessary permissions.



4.2.6. Select Zoho Portal

Following authorization, choose the Zoho portal you want to import the project from. Click on the respective portal.

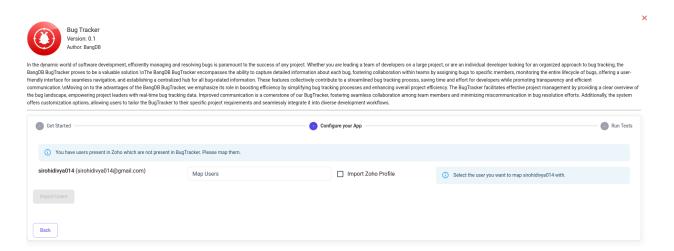


4.2.7. Select Zoho Project

Once the portal is selected, you will be given the option to choose the Zoho project you wish to import. Click on the project that aligns with your requirements.

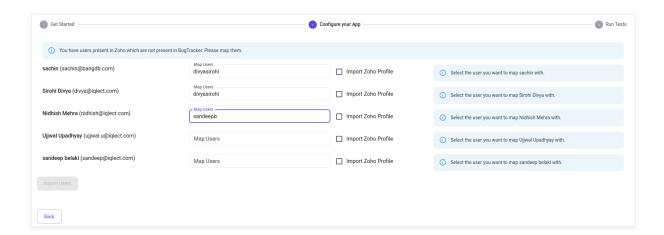
4.2.8. Map Users from Zoho to BangDB

After selecting the project, you will be prompted to map users from Zoho to BangDB. If a user does not exist in BangDB, there is an option to create a new user. Note that while creating a user, email is mandatory as the password will be sent to the provided email. Select Import Zoho profile if you want to import their account profile as well.



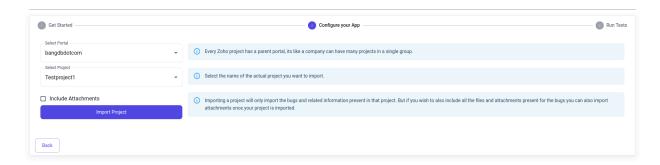
7. Import Users

Once the users are mapped, click on the "Import Users" button to proceed with importing the users from Zoho to BangDB.



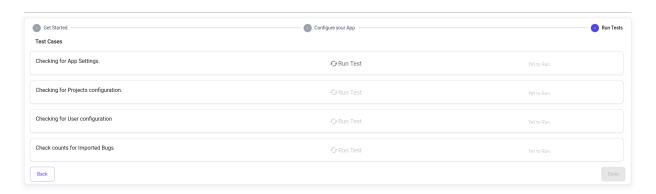
8. Choose Import Options and Click on "Import Project"

You will be presented with options to import the project with or without attachments. If you wish to import the project with attachments, select the "Import Attachments" checkbox. After configuring the import options, click on the "Import Project" button to initiate the import process.



9. Run Test Cases

Upon successful import, run the provided test cases to validate the integration and ensure the project's data integrity. Click on "Done" after completing the test cases.



11. Review Imported Project

You will be redirected to the "My Works" section, where the newly imported project, along with all listed bugs, will be displayed. Review the project details and bug listings to ensure a successful import.



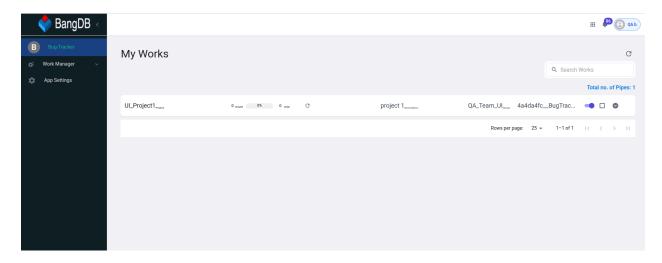
Congratulations! You have successfully imported an existing project into BangDB BugTracker, and it is now seamlessly integrated into your BugTracker environment.

Creating a Bug in BangDB BugTracker

Effortlessly create a bug in BangDB BugTracker with the following step-by-step guide:

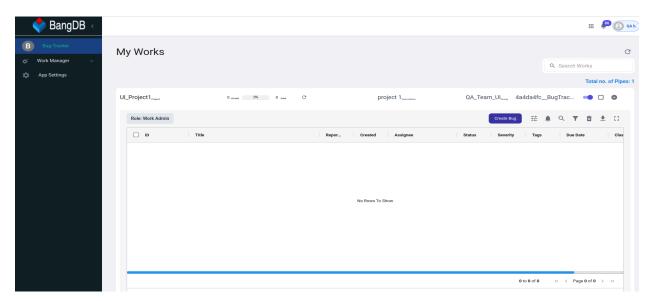
1. Click on the "Details" Icon

Navigate to the BangDB BugTracker dashboard and locate the "details" icon associated with the project where you want to create a bug. Click on this icon to access the project details.



2. Click on "Create Bug"

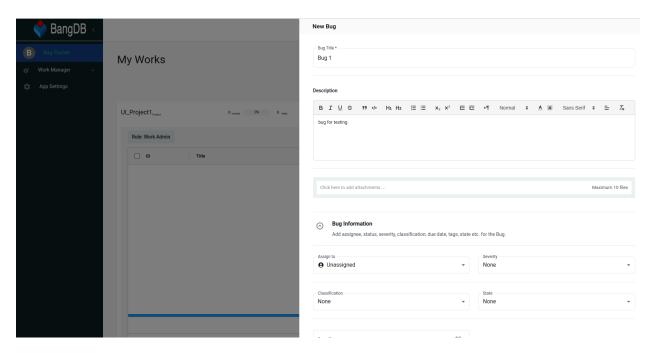
Within the project details, look for the "Create Bug" option. Click on it to initiate the bug creation process.



3. Fill in Bug Details

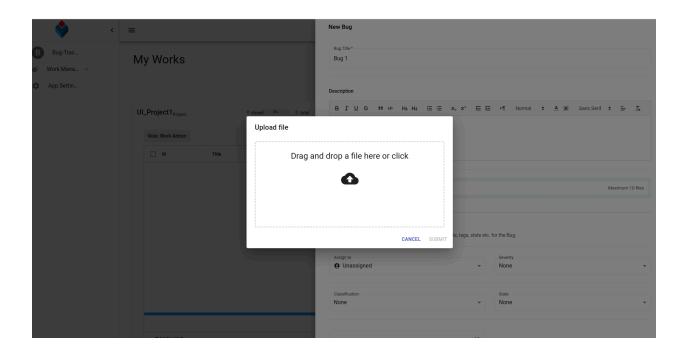
A bug creation form will appear. Fill in the required bug details, including:

- **Title**: Provide a concise and descriptive title for the bug.
- **Description**: Elaborate on the bug, detailing its behavior and impact.
- Severity: Specify the severity level of the bug (e.g., low, medium, high).
- **Status**: Set the current status of the bug in the workflow (e.g., open, in progress, resolved).
- Tag: Assign relevant tags to categorize the bug.



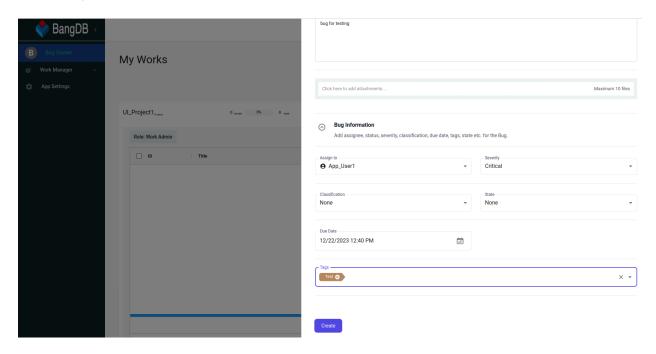
4. Click on "Attachment"

If you have screenshots, documents, or records related to the bug, click on the "Attachment" option to upload files. This step is optional but can provide valuable context to developers.



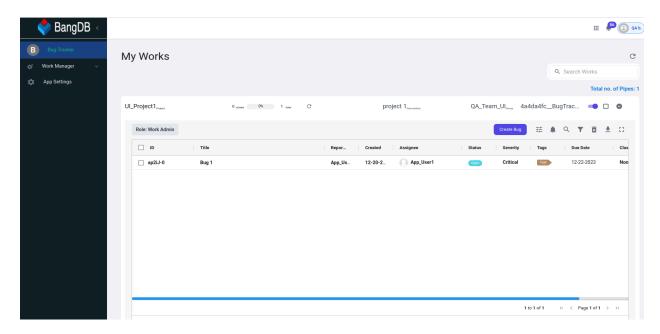
5. Upload File and Submit

Click on the "Attachment" option, select the file you want to upload, and submit it. This is particularly useful for providing visual evidence or additional information about the bug.



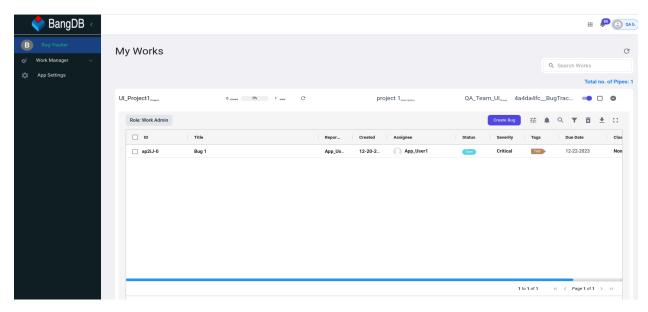
6. Click on "Create"

Once all the bug details are filled in and any necessary attachments are uploaded, click on the "Create" button to finalize the bug creation.



7. Review on Dashboard

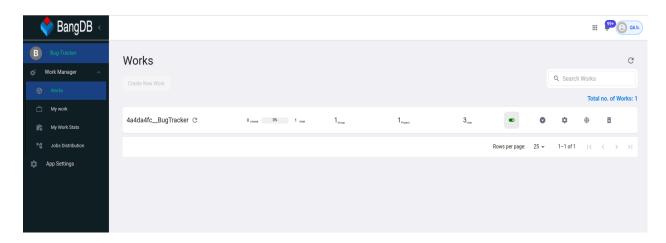
On successful bug creation, the bug will be listed on the dashboard. You can review it along with other bugs associated with the project.



Congratulations! You have now successfully created a bug in BangDB BugTracker, allowing for efficient tracking and management of software issues within your project.

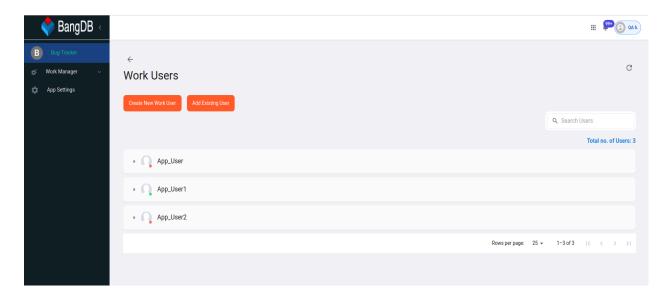
Adding New User to Existing Project

1. Navigate to "works".

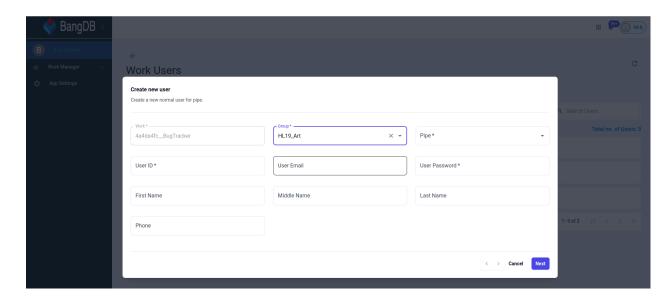


There are two ways to add a user. First by directly clicking on the user count displayed. For the above example - click on 3 users.

1.1. On clicking "User count" you will be navigated to the "Work Users" page.

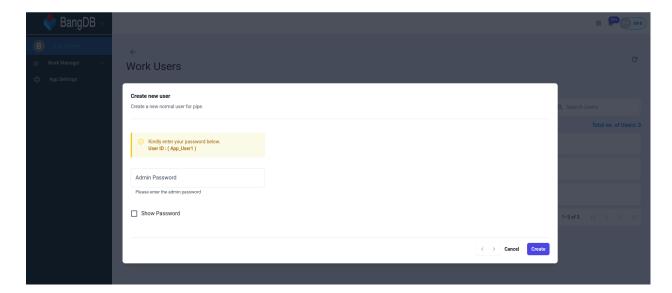


1.2. Click on "Create New User For Work" or "Add Existing User". Here, we will go with "Create New User"



Fill in the details. Here, Pipe stands for project

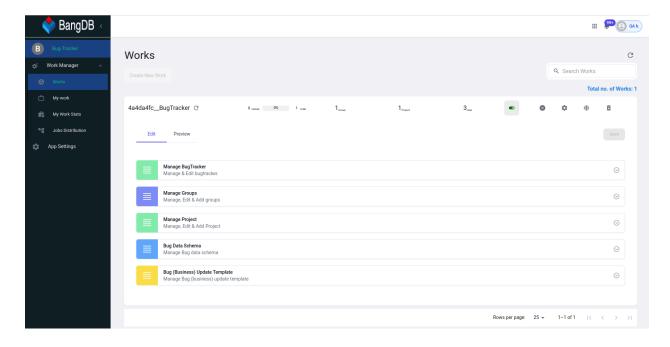
1.3. Click on "Next". Enter your account password to create this user then click on "Create".



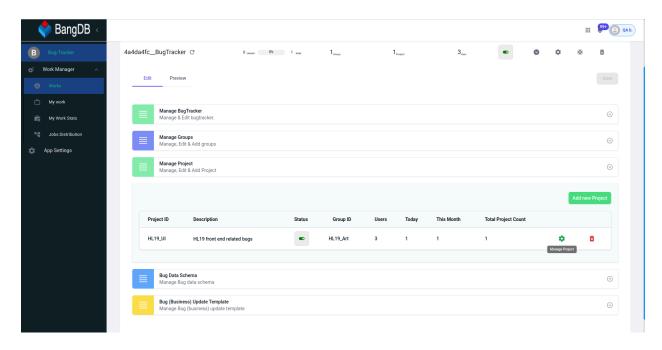
21. Click on "Manage BugTracker".



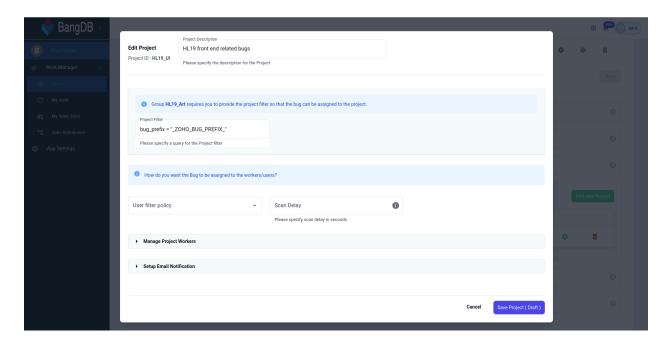
2.2. Click on "Manage Projects"



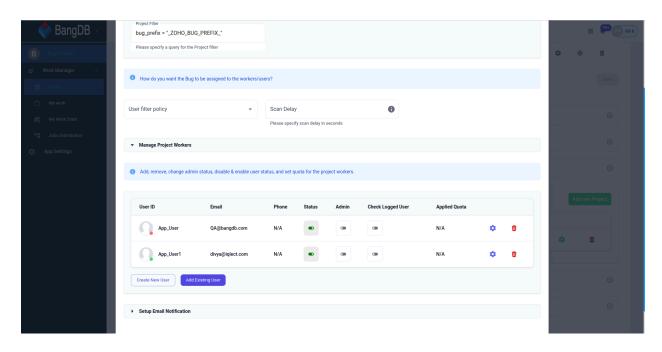
2.3. Click on "manage project " for the project you want to add a user.



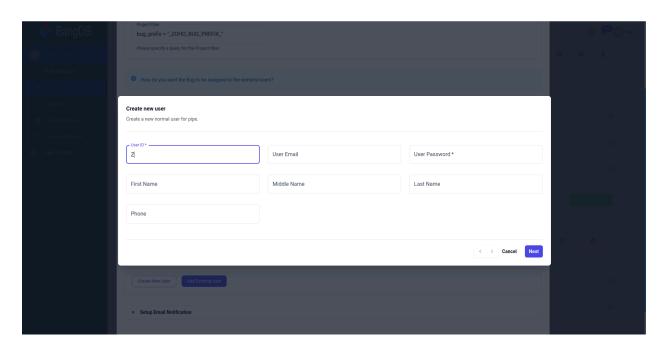
2.4. On clicking "manage project", you will get the project setting window. Click on "Manage Project Workers"



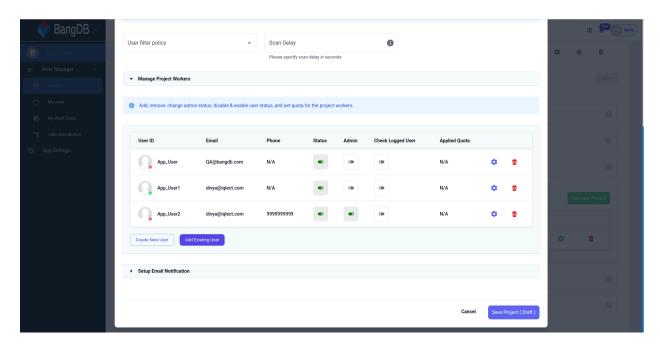
2.5. Click on "Create New User" or Existing user (If you want to add a user from other project).



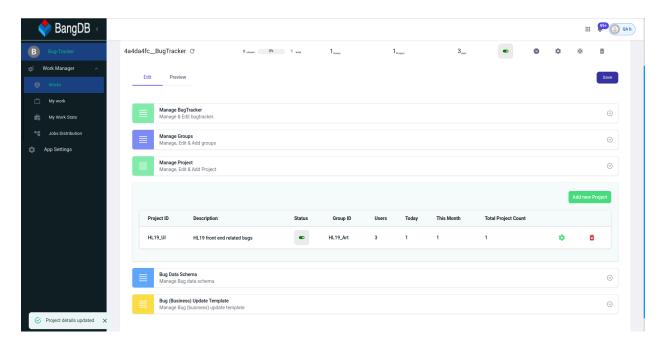
2.6. Fill in the details.



2.7. Click on "done" and then "Save project(draft)".



2.8. Finally click on "Save".

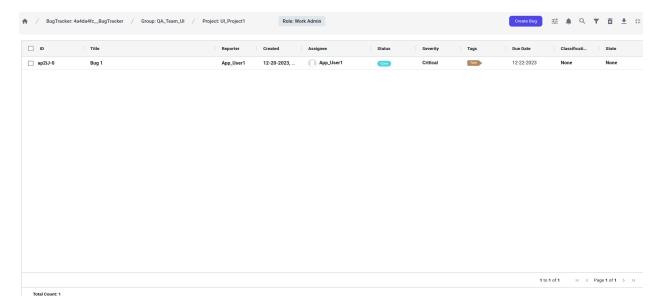


Available Options in BangDB BugTracker

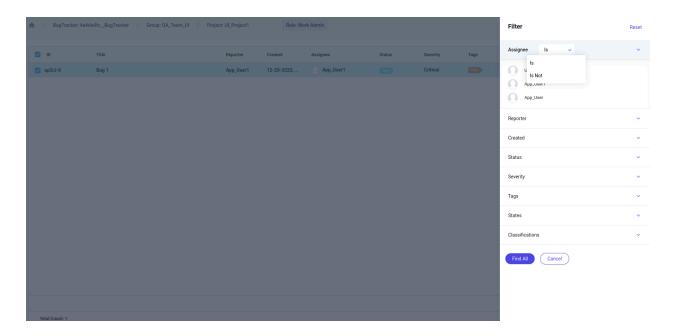
Within the BangDB BugTracker interface, users have access to a range of versatile options for efficient bug management. Starting from the right, explore the available options:



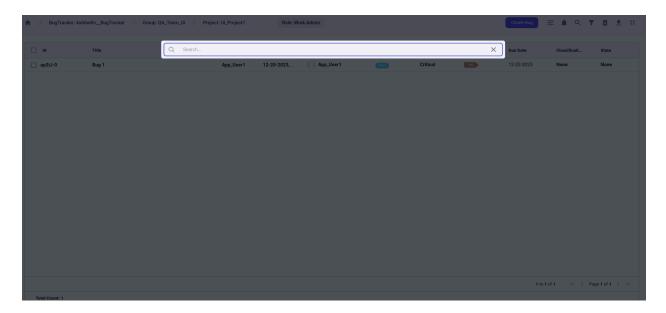
1. **Switch to full screen:** Clicking on this option maximizes the Bug Tracker interface, providing a distraction-free, full-screen view for enhanced visibility and focus.



- **2. Download option:** Download all present bugs for offline reference or documentation purposes. This option allows users to export bug data in a downloadable format.
- **3. Delete option:** Select specific bugs you wish to remove, then click on the delete option. This feature streamlines the process of managing and cleaning up bug records.
- 4. Filter Option: Customize bug visibility based on specific criteria such as assignee, reporter, status, tags, and more. The filter option enables users to tailor bug displays to meet their specific needs.

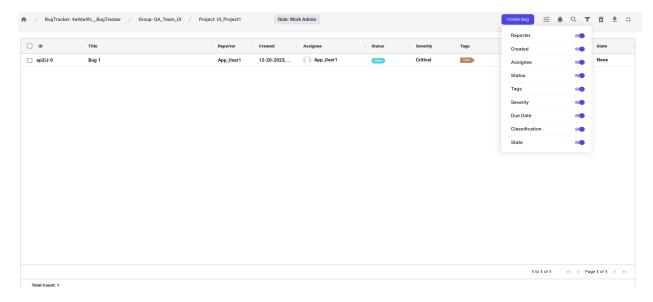


5. Search bugs: Search bugs effortlessly using the search functionality. Users can search based on bug ID or specific text, streamlining the process of locating and addressing particular issues.



6. Notification: Enable desktop notifications to stay informed about important updates and changes within the Bug Tracker. Notifications help users stay proactive in bug resolution.

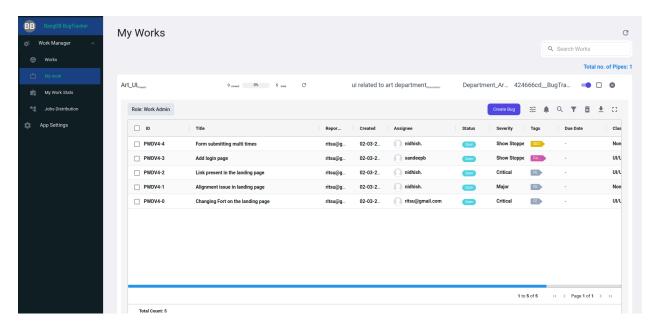
7. **Customize columns:** Tailor the display on the dashboard by selecting columns that are most relevant to your workflow. This customization ensures that users have a clear and concise view of bug-related information.



These available options in the BangDB Bug Tracker provide users with a range of functionalities to enhance bug tracking, management, and overall efficiency in software development projects. Whether it's downloading bug data, applying filters for specific views, or customizing the display, these options contribute to a streamlined bug tracking experience.

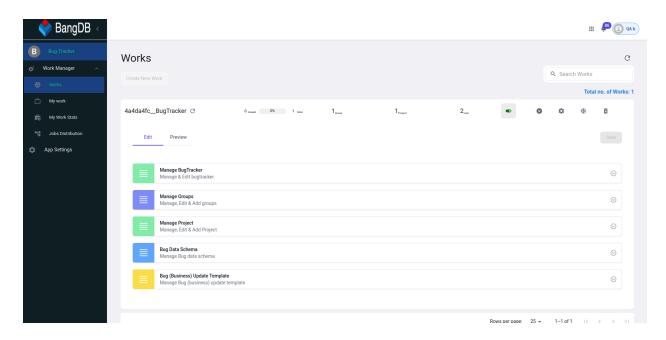
App Ampere Sections

Navigate through the Ampere sections in BangDB BugTracker, located on the left panel, to efficiently manage and customize your bug tracking.

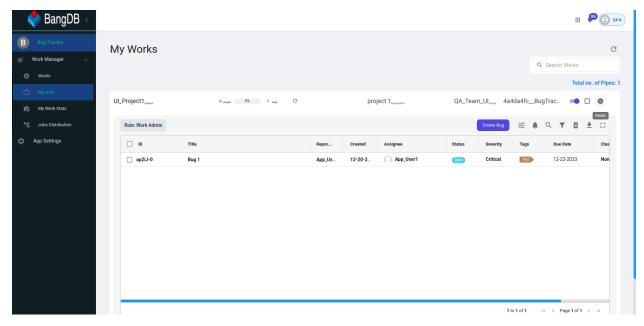


Here, we have

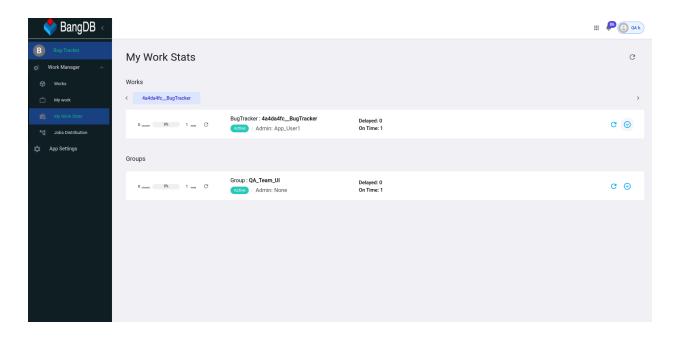
- 1. Work Manager: This section serves as the control center for the Bug Tracker. It comprises the following sub-modules:
 - Works: This section defines the bug tracker app. You can add projects or groups from here as well. For a detailed understanding, visit the work section on the BangDB website



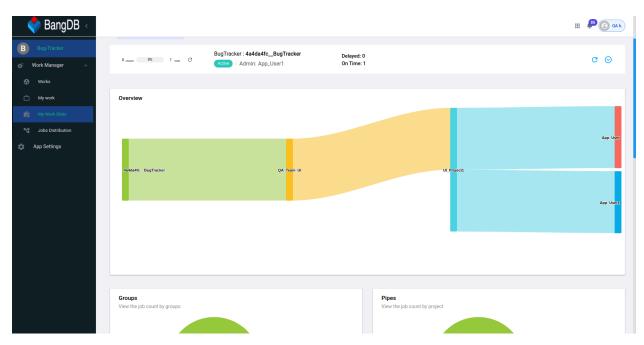
• My work: Explore projects and their associated bugs within this dedicated section



• My work stats: Access charts and dashboards providing statistics. This section is divided into two levels – stats at the work level and stats at the group level. Click on the "details" icon to view comprehensive stats.

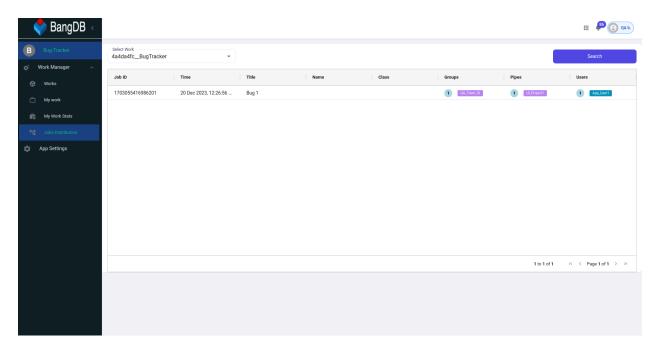


Click on the "details" icon to view stats.



Gain valuable insights into bug distribution among developers. Analyze distribution based on tags, status, groups, projects, and more.

• **Job Distribution:** Visualize the distribution of bugs across different projects. This feature offers a comprehensive view of workload distribution for effective project management.



2. **App Settings:** This section is divided into three segments, each guiding users through the app setup flow



- **Get Started**: Begin your BugTracker journey by setting up essential configurations.
- Configure Your App: Tailor the app to your specific needs by adjusting configurations.
- Run Tests: Ensure the smooth functioning of the app by running tests to validate the setup.

These Ampere sections within BangDB BugTracker provide a user-friendly interface for managing, customizing, and analyzing bug-related data. From overseeing projects and bug statistics to configuring app settings, the Ampere interface is designed to streamline bug tracking and enhance overall project management efficiency.

FAQ

1. How do I create a new bug in BangDB BugTracker?

Navigate to the "My works" page. Click on the details icon (last icon from right) then click on "Create Bug".

2. Can BangDB BugTracker be used for agile development, or is it primarily for traditional project management?

BangDB BugTracker is highly versatile and supports both traditional project management and agile development methodologies. It provides robust features allowing teams to plan, track, and manage their work in an agile environment.

3. Is BangDB suitable for both small and large development teams?

Yes, BangDB BugTracker is scalable and caters to the needs of both small and large development teams. Its flexibility allows teams to adapt it to their size and complexity.

4. How can I get support or assistance with BugTracker-ated issues?

BangDB provides extensive documentation, forums, and community support for App users.

5. What to do when a test fails while setting up the app.

Try reinstalling the app after a few minutes and if the issue persists. Please raise the issue.

6. What are Groups here for bugtracker?

Groups can be treated like departments.

7. Is it possible to link two bugs

Not at the moment but will be available in the near future.

8. How can we share projects between two groups?

Currently, this feature is not accessible, but it is in the works and expected to be available soon.

9. What is the "Zoho Import" option while importing Bugs from ZOHO?

When importing bugs from Zoho, opt for this selection if you wish to replicate the users existing in Zoho.

Version History

| Version | Date | Till Data | Changes |
|----------------|------|--------------|---------|
| BugTracker 0.1 | | Present data | |

Appendix

https://en.wikipedia.org/wiki/Comparison_of_issue-tracking_systems

https://help.zoho.com/portal/en/kb/bugtracker

https://www.bugzilla.org/docs/4.2/en/html/

https://www.redmine.org/

https://www.jetbrains.com/youtrack/features/