

# Anthill Cocoa

Anthill is a free and open source bug tracking system, written in PHP. As a developer, you can include bug reporting support directly in your app, so that users can report bugs and have tickets sent directly to your Anthill.

Anthill Cocoa requires OS X 10.5 or later (although you could probably modify it to support earlier OSs). It should run with or without garbage collection. It's licenced under the new BSD licence.

## In your application

1. Add these files to your Xcode project:

- AnthillBugReporter.h
- AnthillBugReporter.m
- AnthillReporter.nib

2. Add this code to your Info.plist file:

```
<key>AnthillBugReporter</key>
<dict>
    <key>AnthillInstallationURL</key>
    <string>http://www.example.com/path/to/anthill</string>
    <key>AnthillProjectName</key>
    <string>The name of your project</string>
</dict>
```

3. Open your MainMenu.nib file.

4. Drag an object (blue box) from the Library → Objects → Objects & Controllers to the nib document window.

5. Select the newly created object.

6. Open the Identity Inspector (⌘6) and set the object's class to AnthillBugReporter

That's it! You should be able to submit bugs to your anthill installation, provided you log in by selecting "Reply to: Other Email" and enter an anthill login email and password.

## "Report Bug..." Menu item

With any luck, your app doesn't crash that often. Adding a menu item allows your users to submit bug reports at any time. Thankfully, this is dead simple to do:

1. Open MainMenu.nib
2. Create a new menu item with title "Report Bug..." or "Send Feedback..." etc. You could put this in your Help menu, Application menu or Window menu depending on what you think is best (I favour the Help menu).
3. Connect the menu item to your AnthillBugReporter object's *toggleShown:* IBAction

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## On your Anthill installation

The previous section got you up and running. However, you probably want to allow anonymous users of your app to submit bugs without registering for an anthill account. You can also set anthill up to email you with the details and include a crash report when a bug is submitted.

1. On your anthill server, open up `__config.php`

2. Set this line:

```
$GLOBALS['Anthill_Allow_Anon_Users'] = false;  
...to true if it isn't already. Doing this allows anonymous users to submit bug reports  
(from your application or by using the API URLs).
```

3. Set this line:

```
$GLOBALS['Anthill_API_Notification_Email_Address'] =  
"anthillnotifications@example.com";  
...to the email address you want to Anthill to send notification emails to when a user  
submits a bug report from your application.
```

All done! Enjoy Anthill (even if you don't enjoy the bug reports 😊)