**DevFatigue**

DevFatigue is an activity tracking plug-in for Eclipse. It is an extension of Rabbit [https://code.google.com/p/rabbit-eclipse/]. Alike Rabbit, it works in the background with Eclipse and tracks all the activities you perform. It only tracks the actions when Eclipse is active. And logs the data in XML (human readable) format at specific location. The Rabbit features\*, which it supports by default:

* **Commands** - How often you use each commands (cut, copy, paste etc), do you know which is your favorite?
* **Editors and Views** - Time spent using different tool within Eclipse, such as Java Editor, Outline view.
* **Perspectives** - Time spent using different perspectives.
* **Sessions** - Time spent using Eclipse.
* **Resources** - Time spent working on difference resources such as files, projects.
* **Java Elements** - Time spent working on Java elements such as classes, methods.
* **Launches** - Launches such application runs, debug runs etc, and the relevant files will be recorded too when you step into them using the debugging.
* **Task** - Time spent working on tasks (tasks in Task List view) and resources.

\*content taken from Rabbit Information Page

Additional features in DevFatigue:

* **User Activity** - The typing speed (key board usage) of the user with respect to a time period.
* **Focus Events** - The activities related to keys and mouse usage, like Key Up, Key Down, Mouse Clicks, Mouse Velocity, etc. with specific to time period.
* **Project Events** - Information regarding the projects like ‘imports’, and commands used with respect to time period.

Rabbit provides a user interface to retrieve the data in its view. As the DevFatigue is still in development, among the additional features, it just provides a graphical interface for User Activity data, though the other features logs are also available.

The log files can be obtained at specific location like:

Windows -> C:\Users\<USER>\Rabbit\

Mac **\*** | Linux -> /Users/<USER>/Rabbit/

**\*** Mac Users: You might not be able to see the workspace folders in the Rabbit data folder. The reason behind, it’s a **.**file (hidden). So to access it you would need to change some settings. Please refer this link [http://www.wikihow.com/Show-Hidden-Files-and-Folders-on-Mac-OS-X] for the same. Please revert in case of doubt.

**How to get it?**

To install Rabbit, you'll need

* Eclipse 3.4/3.5/3.6 (Other products based on Eclipse 3.4/3.5/3.6 also works, I think)
* Java SE 6

Then follow the steps:

**Step 1. Remove Rabbit (If you don't have Rabbit installed, go to Step 2)**

If you already have Rabbit, we would suggest you to back-up your logs and uninstall Rabbit, or DevFatigue would modify the log contents and overwrite the plugins as well.

To uninstall Rabbit:

Click the menu "Help" -> "About Eclipse..." ->"Installation Details…"->goto "Installed Software…" tab and Uninstall the specific ones (features related to Rabbit).

You would like to go to plug-ins folder at the Eclipse root folder and delete the rabbit\*.jar files.

**Step 2. Install DevFatigue version 1.0 using the update site.**

Use this update site URL for installation: <http://www4.ncsu.edu/~ssarkar4/fatigue/eclipse/updatesite/>

* Eclipse 3.4: Click the menu "Help" -> "Software Updates..." -> "Add Site..." then paste in the update site URL
* Eclipse 3.5/3.6: Click the menu "Help" -> "Install New Software..." -> uncheck "Group items by category" if needed -> "Add..." then paste in the update site URL.

That's it! Whenever you want to view the data, you can open the Rabbit view by going to the menu "Window" -> "Show View" -> "Other" -> "Rabbit" -> "Rabbit".