

5621-02-murphp30

Pearse Murphy

December 2017

Git has a distributed repository model which means that each person's copy of code is a complete repository unlike centralised repository models such as client-server model used by Dimensions CM.

The concurrency model used by Git (and most distributed version control systems) is the merge model. This allows files to be edited freely but must be merged into the repository which may cause conflicts. Dimensions CM also uses a merge model but it can use the lock model too. In the lock model edits are not allowed until a request is made to the master repository for a lock to be put on the file to be edited.

Git has a free GNU GPL licence whereas Dimension CM has a proprietary licence meaning that they hold the rights to the intellectual property of the software.

Git is free software whereas Dimension CM is not. Both Git and Dimension support Windows, OS X, and Linux operating systems. Dimension CM also works for Solaris.

The de facto web interface for Git is Github, Dimensions CM has a graphical visualisation of branches etc.