

FOSSology

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- Brief introduction
- Demo
- Future of FOSSology

- FOSSology is a framework to study the source code of FOSS applications in a number of ways
- Detection of licenses in open source applications



- HP ships many products that use or embed FOSS
- Procurement office: identifying and tracking all open source that comes into an organisation
- License compliance: making sure that we abide by all licenses of all products that we're shipping
- HP wants to be a good citizen in the FOSS community

Problems with FOSS Licensing

- Misunderstanding of FOSS licenses: you have obligations
- Keeping track of what FOSS is being used
- Keeping track of FOSS licenses used by an application and how they interact



- HP has an Open Source Review Board (OSRB)
- Tools that help us manage our open source software
- FOSSology: launched as open source on December 18 2007, formally announced January 24 2008



- You load code into the repository
- You analyse it and put the results into a database
- You view the results

- Software repository: stores the actual files loaded into the FOSSology system.
- Database: stores the analysis results generated by the agents.
- Agents: perform the analysis of the data that has been uploaded
- Scheduler: runs the agents, making efficient use of available resources.
- User interface: provides the web-based GUI for the FOSSology software.

- New heuristic based license analyser
- New machine learning license analyser
- Implement Buckets (to create categories)
- Report files with no license
- copyright/author detection agent