Agenda

- 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.
Background

- 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.
The Future

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