Managing FOSS during development
Preventive and curative approaches.
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Open Source goes main stream

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Preventive vs curative approaches

Antepedia, toward the census of open source code history
About Antelink

A venture backed european software vendor specializing
– in software lifecycle management
– the detection of open source Components

Antelink helps you keep control of your software integration and supply chain in a globalized world.
About Antelink

+3,000 projects / +10,000 users

Software Quality Assurance and Trustworthiness (SQUAT)

Open Compliance Program
Software Package Data Exchange
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Antepedia, toward the census of open source code history
Open Source has gone mainstream

thousands of enterprise-ready Open Source Projects

80% of companies reuse Open Source Software

LGPL
GPL
EPL
AGPL
MIT
ASL
Open Source has gone mainstream

By 2013, 90% will include OSS as part of their IT strategy

"This continues the existing trend for combining internal IT resources with contractors, both onshore and offshore providers, and use of Open Source."

Melinda-Carol Ballou
Program Director Application Life-Cycle Management & Executive Strategies.
Leading to a dramatic increase in complex sourcing
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Antepedia,
toward the census of open source code history
Know what is in your code ...

Your Code

Internally developed
Third party
Open Source
Outsourced
Development
Third party
Commercial

Origin

Your Dev Team
Software Company / Publisher

Google Code
maven
CodePlex
SourceForge

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... keeping control of your software integration and supply chain
Address licensing issues analyzing the legal situation

Legal Situation = Authors

Perceived Legal Situation VS Automated Legal Situation Mining

Increase Legal Quality
Save time
Ease communication
Deliverable A1.D2.1.4
Report on the proposed IPR tracking methodology
Identify security vulnerability
Manage version updates

“Upgrading is the best way to mitigate vulnerability risks.”
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toward the census of open source code history
Avoid late charges and budget-overrun
Reduce operation loss
How to enforce your open source policy
Preventive vs curative approaches

Preventive
- As often as possible
- Integrated in the continuous integration process

Curative
- At the end of the release process
- When a major event occurs
Preventive vs curative approaches

Pros ...

Preventive

- Avoid late charges and budget over-run
- Reduce operation loss
- Cover short/mid/long term risks
- Integrated to the quality process

Curative

- You pay when it is REALLY worth it
- Few people are involved (audit team)
Preventive vs curative approaches

... and cons

Preventive

- Need affordable tools
- Need tools with very few false-positive
- Need different tools for different users

Curative

- More expensive (tools + remediation)
- Done in emergency (lot of stress)
- Will cover only short term risks
- May be too late ...
Don't wait until there is a fire at home

Be pro-active, empower as soon as possible everyone involved in the software lifecycle to mitigate risks that can doom your software assets.
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Antepedia,
toward the census of open source code history
Antepedia: The world's largest Knowledge Base of open source projects

More than 1,000,000 open source reusable components ... and counting

+1,000 projects each day
Antepedia: The world's largest Knowledge Base of open source projects

- **GoogleCode**: 55%
- **Debian**: 4%
- **CodePlex**: 5%
- **Maven Central**: 5%
- **Eclipse**: Other
- **Apache Arch**: Other
- **JBoss**: Other
- **SourceForge**: Other

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Antepedia Search
http://www.antepedia.com

Single file → Cloud service →

Original project
License information
Release date and location
Life of open source project is also complex
Using code snippet tracking tools, we notice that libreoffice-writer, libreoffice-calc and libreoffice-base modules were globally impacted and updated. However some modules - like libreoffice-testing - are hopefully based on the original ones.
WebMail is a Java Servlet application that gives users WWW access to their IMAP/POP mail supports folders, multiple languages, composing messages, MIME and virtual domains.

License

Apache License V2.0, GNU General Public License (GPL)

Inconsistent License Information

http://sourceforge.net/projects/jwebmail/

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