

How to get Enterprise Software into Fedora

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fedora 

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What is Enterprise Software?

Software developed by a company/vendor

Software developed for usage at companies

Examples: Groupware, Collaboration, Enterprise Resource Planning or Backup Software



Why such software in Fedora?

Software gets part of a leading Linux distribution

Users out of the regular planned target audience

Maybe community contributions or feedback

High quality RPM package conforming standards



Legal Challenges: FAQ

Where is the Fedora Project legally domiciled?

→ US, because Red Hat, Inc. takes care of Fedora

Why does Red Hat take care of Fedora?

→ Red Hat can be made fully legally responsible

How will legal questions at Fedora get handled?

→ Fedora Legal (and if needed e.g. Red Hat Legal)



Legal Challenges: Trademark

The company name matches the software name!

→ Evaluate renaming/rebranding at downstream

Software name is protected by a trademark!

→ Get a very liberal trademark usage license

How about license exceptions for the trademark?

→ Avoid exceptions if possible (contact Fedora Legal)



Legal Challenges: License

Needs to be Free or Open Source Software

→ Fedora does not include any proprietary software

Which licenses are accepted by Fedora?

→ Visit <http://fedoraproject.org/wiki/Licensing>

What about own Open Source Licenses?

→ Consider relicensing or contact Fedora Legal



Legal Challenges: Patents

What if software uses patented technologies?

→ Causes always trouble (contact Fedora Legal)

How to get in touch with Fedora Legal?

→ <http://admin.fedoraproject.org/mailman/listinfo/legal>

→ Private conversation: legal@fedoraproject.org



Technical Challenges: Build

Needs to build within Fedora environment

→ Only software in Fedora can be used during build

Needs to build with very up-to-date software

→ GCC 4.5, GLIBC 2.13, Kernel 2.6.36 (pre-releases)

Does not duplicate or modify system libraries

→ No system libraries in upstream sources allowed

→ Modifications of system libraries are not allowed



Technical Challenges: FHS

Needs to conform Filesystem Hierarchy Standard

- Using e.g. /mysoftware or /opt is an absolute no-go
- Configuration files get placed somewhere in /etc
- Libraries always get put into /usr/lib or /usr/lib64
- Binaries will make it into paths /usr/bin or /usr/sbin
- Non-architecture specific content /usr/share/<pkg>
- Run-time generated files or cache in /var/lib/<pkg>

Software needs an exception because of XYZ!

- No exceptions, honor the FHS



Technical Challenges: Misc

Depends on 3rd party software being not in Fedora
→ Get 3rd party software/library into Fedora before

Software performs statical linking during build!
→ Ensure dynamical linking during build process

Strange initscripts for daemons/server services?
→ Rewrite them to conform with Linux Standard Base



Get the software into Fedora

Go to the Fedora website and create an account:

<http://join.fedoraproject.org/>

Follow the howtos and guidelines to get it into:

<http://fedoraproject.org/wiki/PackageMaintainers/Join>

Actively maintain the package and care about!



Questions?



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Thank you!

