



Release-monitoring.org

Presented by

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Basic sorcery

- What is release-monitoring.org?
 - Anitya - web interface
 - Allows users to add projects to watch for new releases
 - Automatically checks for new releases
 - Sends fedora message when new version is retrieved
 - The-new-hotness - fedora messaging consumer
 - Listens to messages emitted by Anitya
 - Creates or updates bugzilla when new release is found
 - Starts scratch builds if configured





Anitya

Realm of magic





Magic numbers (Statistics)

- First commit: 28th November 2013
- First release: 0.1.0 - 29th September 2014
- Contributions
 - Commits: 1924
 - Contributors: 53
 - Issues created: 466
 - Issues closed: 375
- Current version: 0.18.0
- Number of projects watched by release-monitoring.org: 126372
 - Mapped to Fedora package: 17792





Magic tools (Technologies)

- Python ≥ 3.6
- Web: Flask, Jinja2, JQuery
- Database: SQLAlchemy, PostgreSQL
- Development: Vagrant
- Testing: Tox, Bandit, Travis - CI
- Formatting: Black, Flake8
- Docs: ReadTheDocs
- Messaging: Fedora messaging





Hard reality (Current situation)

- Milestone 1.0 is currently being work on
- What is done?
 - Add option to archive project
 - Allow removing more versions at once (admins only)
 - Separate stable and unstable releases
 - Don't consider no new version retrieved as error on GitHub backend
- What's left?
 - Report of multiple versions at once
 - Remove fedmsg related things
 - "Preview" mode





The-new-hotness Floating island in realm of magic





Magic numbers (Statistics)

- First commit: 13th March 2014
- First release: 0.1.2 - 17th November 2014
- Contributions
 - Commits: 440
 - Contributors: 22
 - Issues created: 141
 - Issues closed: 121
- Current version: 0.13.1





Magic tools (Technologies)

- Python ≥ 3.6
- External systems: Bugzilla, Koji, mdapi, Pagure, PDC
- Caching: dogpile
- Development: Vagrant
- Testing: Tox, Bandit, CentOS CI
- Formatting: Black, Flake8
- Docs: ReadTheDocs
- Messaging: Fedora messaging





Hard reality (Current situation)

- Milestone 1.0 is currently being work on
- What is done?
 - Add towncrier
 - Fix issue when downloading sources
- What's left?
 - File PR instead of attaching patch to Bugzilla
 - Log hash values when error happens during comparing of sources
 - Refactoring of source using Clean architecture design
 - Working with fedora messages containing multiple releases
 - Handle temporary errors more gracefully





Questions?





References

- Release-monitoring.org blogpost:
<https://communityblog.fedoraproject.org/tag/release-monitoring-org/>
- Release-monitoring.org
<https://release-monitoring.org/>
- Anitya - repository
<https://github.com/fedora-infra/anitya>
- The-new-hotness - repository
<https://github.com/fedora-infra/the-new-hotness>





Thank you

