

Short introduction of testing GNOME apps using dogtail/behave

Presented by Petr Schindler

Credits

- <https://fedoramagazine.org/automation-through-accessibility/>
- Author: Michal Odehnal

What do we use

- dogtail - API
- gnome-ponytail-daemon – enables dogtail on Wayland
- behave – write tests as readable text
- behave-html-pretty-formatter – pretty results
- qecore – library of tools

dogtail

- GUI test tool and UI automation framework
- Uses a11y
- Written in Python
- Most useful: `from dogtail.tree import root`
- <https://gitlab.com/dogtail/dogtail>

behave

- Enables us to write tests human readable – features
- Steps are written in Python – uses decorators for definition
- Provides way to output results – using our formatter
- <https://github.com/behave/behave>
- <https://github.com/behave-contrib/behave-html-pretty-formatter>

qecore

- Library of tools, steps and scripts used in our test suite
- Common-steps – general steps used in most of our components
- Qecore-headless – session configuration and runner
- Sandbox – setting scenario in environment.py
- <https://gitlab.com/dogtail/qecore>

Example of tests

- <https://gitlab.com/dogtail/gnome-calculator>



Questions?