

Hackers gone wild! Spring Break in Oslo



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Perl Seminar NY
May 2008

Would you take quality advice
from these guys?



Oslo QA Hackathon – April 2008

- Goal: hack on stuff related to perl QA
 - Specific, realistic projects for a long weekend
 - Full/partial funding for 10+ people
- Sponsors
 - Linpro gave us space, Internet, lunch and drinks
 - Also... Oslo Perl Mongers , PROCURA B.V., BBC, Runbox.com, friprog.no, ABC Startsiden, Telia Denmark, NLnet foundation, **The Perl Foundation**, logicLAB, Vienna.pm, Ericsson Mobile Platform
- Oslo, Norway
 - Friendly people
 - Expensive food
 - Tech-friendly
 - Lots of 7-11's (!?!)

Linpro



Trond
(CEO)

Salve
(Organizer)

Dag-Erling
(Co-host)

Stuff in Oslo



Geek art



OK... moving on to Perl and real work...

- TAP – features for the future
 - Nested TAP
 - Arbitrary meta-data in TAP diagnostics
 - Testing contexts (to separate things like developer testing, release testing, installation testing, smoke testing)
 - Initial drafts of an official TAP specification
- Parallel testing for Perl core
 - Using Test::Harness 3.0
- Test::Reporter
 - Pluggable transports
 - Added Net::SMTP::TLS, HTTPGateway and File transports
 - Support for new transports added to CPAN::Reporter



... Kwalitee and package support ...

■ CPANTS

- New metrics:
 - no_generated_files, has_tests_in_t_dir, no_stdin_for_prompting, no_large_files, metayml_declares_perl_version, has_version_in_each_file, fits_fedora_license, easily_repackageable, easily_repackageable_by_debian, easily_repackageable_by_fedora
- Various bug fixes and website improvements

■ Smolder

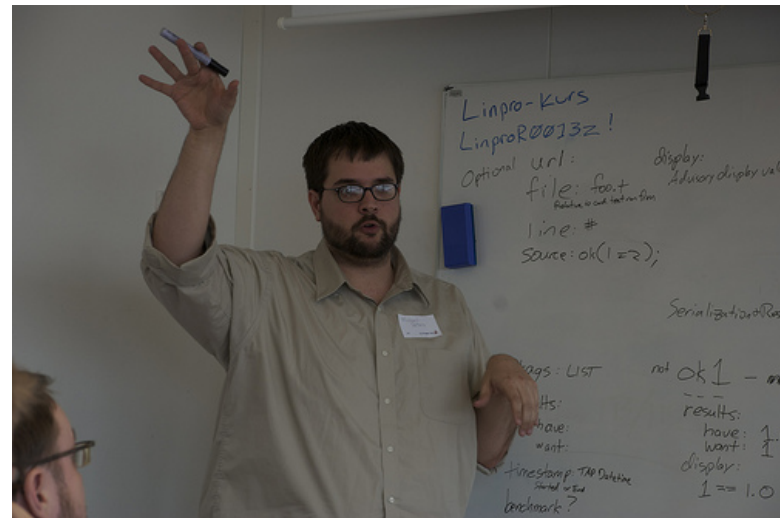
- Bug fixes
- Tags replace categories
- Downloadable TAP archives
- Graphs

■ Debian

- Fixes for debian package creation
- Scalar::Util::weaken support
- Will release Data::UUID fixes

■ FreeBSD

- Support for CPAN module installs
- Detection of dual-life modules



... a fresh Perl and more tools

- Strawberry Perl 5.10.0.1
 - 6 month release cycles
 - Expat + XML::Parser
 - PAR & PPM
 - Adam Kennedy **masters time travel**
- Module::Release
 - support for testing against multiple, local perls
- CPAN::Metabase
 - Web services for CPAN object metadata
 - Intended to power CPAN Testers 2.0
 - **Git on a plane!**
- Modules fixed & released
 - Test::Class 0.30, YAML::Tiny, Text::CSV_XS, CPAN::Mini::FromList 0.01, Module::Extract::VERSION, Module::Extract::Namespaces, Module::Release 1.21, Software::License 0.002, Module::CPANTS::Analyse 0.79, Module::CPANTS::ProcessCPAN 0.75, Module::CPANTS::Site 0.75, Test::Reporter 1.39_04, CPAN::Reporter 1.14_02, Test::Reporter::HTTPGateway 0.001, Workflow-0.32_1



Agreeing on best practices... almost as hard as juggling babies



"The Oslo Consensus"

- `$ENV{AUTOMATED_TESTING}`
 - *not* `$ENV{PERL_AUTOMATED_TESTING}`
- `$ENV{RELEASE_TESTING}`
 - *not* `$ENV{AUTHOR_TESTING}` or `$ENV{PERL_AUTHOR_TESTING}`
- `xt/` directory for release and other non-install-time tests (subdirectories optional)
- support `'requires => { perl => 5.xxx }'` and extend to all 'requires' types
- `*.PL` should generate `META_LOCAL.yml` with requirements after dynamic configuration

Example – POD coverage testing

■ t/pod-coverage.t

```
use Test::More;

plan skip_all => 'Set RELEASE_TESTING=1 to run this test'

    if not $ENV{RELEASE_TESTING};

eval 'use Test::Pod::Coverage';

plan skip_all => 'Needs Test::Pod::Coverage' if $@;

all_pod_coverage_ok();
```

■ xt/pod-coverage.t

```
use Test::More;

eval 'use Test::Pod::Coverage';

plan skip_all => 'Needs Test::Pod::Coverage' if $@;

all_pod_coverage_ok();
```

But wait... Nadim has something up his sleeve...



ASCIIO

(like 'Visio')

Best parts of a hackathon?

- Meet people in person that you only know virtually
- Get collaborative energy from a team effort
- Focused time for side projects
- Hallway conversations spark ideas to solve most problems
- Steal best practices!
- Find new tools!
- Have fun!

