



Get Involved with Fedora QA

Testing

Presented by

Fábio Olivé

Based on a presentation by Wolnei Tomazelli Jr

Topics

- What is testing all about?
- Benefits for you and Fedora
- What gets tested in Fedora?
- Fedora QA processes
- Fedora QA community





What is testing
all about?

What is testing all about?

- Testing can be as simple as using Fedora:
 - observing it with more attention;
 - taking the time to report bugs;
 - exploring all options, plugins and possibilities.
- A tester is (or becomes) an experienced Fedora **user**. It is a great place to start!



What is testing all about?

- It's more than just casual use, though!
 - Test cases and test plans
 - Test Days
 - Bug triaging
 - Automated test tool development
- Must understand and accept the responsibility of marking packages as tested and verified.



The background features a dark grey gradient. A horizontal band of dark blue color spans the width of the image. Within this band, on the left side, there are abstract, overlapping shapes in a lighter blue and a light grey color. The text "Benefits for you and Fedora" is written in white, sans-serif font, centered within the dark blue band.

Benefits for you
and Fedora

Benefits for you and Fedora

- Learn a lot about Fedora features and become a more experienced user
 - This can be readily translated into experience on RHEL, CentOS and other RHEL-derived distros
- Gain experience on investigating bugs and recovering from problems
 - Become a better sysadmin



Benefits for you and Fedora

- Fedora and Free Software projects in general can certainly use more testing and bug fixing
 - Better quality at release time
 - Better stability on updates
- Not just testing, but suggesting features and usability enhancements
 - Use with a critical approach



Benefits for you and Fedora

- Greatly expand your contacts and networking in the Free Software world
 - Could mean your next job opportunity!
- Expand your personal horizons interacting with people from all over the world
 - Healthy cultural exchange
 - Travel to conferences!



The background features a dark blue horizontal band across the middle. On the left side of this band, there are large, abstract, overlapping shapes in a lighter blue and a greyish-blue color. The text "What gets tested in Fedora?" is written in white, sans-serif font, centered within the dark blue band.

What gets tested
in Fedora?

What gets tested in Fedora?

- RawHide – constant development repository
 - Test new packages straight from the hands of the developers
 - Is not a “stable release”, so be careful ;-)
 - This is where releases get branched from



What gets tested in Fedora?

- Branched releases
 - RawHide gets periodically branched to form the base of a new release
 - RawHide keeps going after branch point
 - Branched release gets “frozen” and stabilized
 - Starts moving towards Release Criteria



What gets tested in Fedora?

- Release updates
 - Test package updates that will appear to all Fedora users once accepted
 - Updates-testing repository in all Fedora installs
 - Needs a lot of attention, we don't want to break all installed Fedoras out there ;-)



A stylized, abstract representation of the Fedora logo, featuring a large, light gray 'F' shape on the left, partially overlapping a dark blue circular area. The background is a solid dark blue.

Fedora QA processes

FedoraQA Processes

- Bug Triaging – manage incoming bugs
 - Ensure enough information is provided
 - Remove duplicates
 - Capture Feature Requests
 - Close bugs that are resolved but forgotten



FedoraQA Processes

- Test Cases and Test Plans
 - Focused tests per package
 - Used in automated testing
 - Release validation testing
 - Apply existing tests, create new tests
- Develop test tools and infrastructure



FedoraQA Processes

- Fedora Test Days
 - Global focused activities around a theme
 - Wireless, Graphics, Installation, ...
 - Planned in advance so everyone gets ready
 - Everyone meets in #fedora-test-day
 - Check the Test Day calendar!
 - <https://apps.fedoraproject.org/calendar/list/QA/?subject=Test+Day>





Fedora QA community

Fedora QA Community

- #fedora-qa channel on FreeNode
 - <http://webchat.freenode.net/?channels=#fedora-qa>
- test@lists.fedoraproject.org
 - <https://lists.fedoraproject.org/mailman/listinfo/test>
- Wiki pages
 - <https://fedoraproject.org/wiki/QA>
- Introduce yourself and start working!





Questions?

Join us today!

Contact:
fabio@olive.pro.br

The background features a dark blue horizontal band. On the left side of this band, there are large, abstract, overlapping shapes in a lighter blue and a light grey color. The word "BugZappers" is written in white, sans-serif font on the right side of the dark blue band.

BugZappers

BugZilla

Red Hat Bugzilla - Bug List

[Home](#) | [New](#) | [Search](#) | [Browse](#) | [\[?\]](#) | [Reports](#) | [Requests](#) | [Help](#) | [New Account](#) | [Log In](#) | [Forgot Password](#)

The custom sort order specified contains one or more invalid column names: *relevance desc*. They have been removed from the sort list.

Sat Jun 28 2014 18:25:15 EDT

This list is too long for Red Hat Bugzilla's little mind; the Next/Prev/First/Last buttons won't appear on individual bugs.

[Hide Search Description](#)

Content: kernel **Status:** NEW, ASSIGNED, POST, MODIFIED, ON_DEV, ON_QA, VERIFIED, RELEASE_PENDING **Product:** Fedora

This result was limited to 1000 bugs. [See all search results for this query.](#)

ID	Product	Component	Assignee	Status	Resolution	Summary	Changed
1079906	Fedora	kernel	Kernel Maintainer List	NEW		mark kernel-devel and kernel-source installonly	2014-06-11
1001022	Fedora	rpm		NEW		rpm -e kernel doesn't take kernel-uname-r deps into account?	2013-08-26
1045879	Fedora	grubby	Peter Jones	NEW		Kernel panic on boot after upgrade to 3.12 kernel	2013-12-27
1007931	Fedora	appliance-tools	Dennis Gilmore	ASSIGNED		if a kernel is installed, write /etc/sysconfig/kernel with DEFAULTKERNEL set appropriately	2014-01-12
1082175	Fedora	fedrepos	Matthew Booth	NEW		kernel-devel not available for my running kernel	2014-04-07
1114185	Fedora	GFS	Robert Peterson	NEW		gfs2 kernel: BUG: unable to handle kernel paging request	05:47:53
1096936	Fedora	xorg-x11-drv-nouveau	Ben Skeggs	NEW		kernel-3.13.* fails to boot with kernel modeset and Nvidia GeForce 6200A D256M	2014-05-28
1083564	Fedora	rsyslog	Tomas Heinrich	ASSIGNED		Found duplicate kernel boot logs right after a kernel crash dump	2014-04-02





Casos e Planos

Teste

Detalhes

QA/TestCases/LiveCDLogin

Description

This test is designed to validate that the display manager on the LiveCD is able to start a login session when manually directed. Please refer to existing wiki documentation for assistance [creating](#) liveCDs or [writing to usb](#) .

Steps To Reproduce

1. Using livecd-tools, write the iso image to applicable media
2. Boot the liveCD on a system capable of booting from the applicable media (either CD/DVD or USB)
3. Allow the bootloader prompt to timeout and boot the default entry
4. At the display manager login screen, click on the *automatic login* entry to start a login session

Expected Results

1. System boots into a graphical screen with a countdown before automatically starting
2. The bootloader will boot the system after a brief timeout period
3. The graphical display manager appropriate to the LiveCD burned (either gdm or kdm) starts
4. The appropriate graphical desktop (gnome or kde) starts

```
{{QA/Test_Plan
|history=
|introduction=
|strategy=
|priority=
|scope=
|criteria=
|deliverables=
|testcases=
|environment=
|responsibility=
|schedule=
|risks=
|reviewedby=
|references=
```





Dias
Teste

Sumário

Pages in category "Fedora 20 Test Days"

The following 14 pages are in this category, out of 14 total.

2

- [Test Day:2013-10-03 Translation \(l10n\)](#)
- [Test Day:2013-10-08 Virtualization](#)
- [Test Day:2013-10-10 Gnome 3.10](#)
- [Test Day:2013-10-13 SSD Cache](#)
- [Test Day:2013-10-22 Graphics Intel](#)

2 cont.

- [Test Day:2013-10-23 Graphics Radeon](#)
- [Test Day:2013-10-24 Graphics Nouveau](#)
- [Test Day:2013-10-25 Graphics Wayland](#)
- [Test Day:2013-10-29 i18n](#)
- [Test Day:2013-11-05 Printing](#)

2 cont.

- [Test Day:2013-11-07 KDE](#)
- [Test Day:2013-11-14 Power management](#)
- [Test Day:2013-12-02 Thermostat](#)

S

- [QA/Fedora 20 test days](#)






Proven


Tester

Bodhi


Feedback

 [bodhi](#) - 2013-08-09 13:37:19


This update has been submitted for testing by pbrobinson.

 [bodhi](#) - 2013-08-09 21:29:09

This update is currently being pushed to the Fedora 19 testing updates repository.

 [bodhi](#) - 2013-08-10 04:00:13


This update has been pushed to testing

 [bodhi](#) - 2013-08-10 12:33:35

This update has been pushed to testing

 [wolnei \(proventesters\)](#) - 2013-08-12 02:57:24


(rygel:3797): Rygel-WARNING **: rygel-http-request.vala:100: Could not create a transcoder configuration. Your GStreamer installation might be missing a plug-in

 [bodhi](#) - 2013-08-17 16:06:04

This update has reached 7 days in testing and can be pushed to stable now if the maintainer wishes

 [wolnei \(proventesters\)](#) - 2013-09-01 00:52:34


Clean install and update to gstreamer1-1.0.10-1.fc19 back to work.

 [bodhi](#) - 2013-09-01 00:52:35


Critical path update approved

 [bodhi](#) - 2013-09-01 12:22:21

This update has been submitted for stable by pbrobinson.

 [bodhi](#) - 2013-09-01 16:22:31

This update is currently being pushed to the Fedora 19 stable updates repository.

 [bodhi](#) - 2013-09-01 23:00:23

This update has been pushed to stable





Automatização

Testes

Ferramentas

- Beaker - provisionamento de hardware;
- ResultsDB;
- Taskotron;
- Test Days Frontend.



Taskotron

- Distribution-wide checks – versão atual ou futura;
- Package-related checks – atualização segura;
- Event-based – interação mais simples;
- Trivial local execution;
- Qualquer distribuição Linux pode utilizar.



Critérios

Versões

Versão Final

- Bugs da versão Beta resolvidos;
- Instalação (Bootloader, DualBoot, LiveMedia)
- Pos-instalação (desktop defaults, serviços)



Processos

2013-07-02	Fedora 19 Release
2013-07-16	Change Proposals Submission Deadline
2013-08-20	Changes Freeze --Planning & Development Ends
	Branch Fedora 20 from Rawhide
2013-09-03	Software String Freeze
	Alpha Change Deadline
2013-09-17 2013-09-24	Alpha Release
2013-10-01 2013-10-08	Software Translation Deadline
2013-10-08 2013-10-15	Beta Change Deadline
2013-10-22 2013-10-29 2013-11-05 2013-11-12	Accepted Changes 100% Complete
	Beta Release
2013-11-12 2013-11-19 2013-11-26 (*)	Final Change Deadline
2013-11-26 2013-12-03 2013-12-10 (*) 2013-12-17	Fedora 20 Final Release

Benefícios

- Aprendizado;
- Desenvolvimento global;
- Experiencia;
- Satisfação;

Participe

- Bug triagem;
- Criando Casos e Planos de teste;
- Desenvolvendo ferramentas;
- Teste de pacotes;
- Teste de versão.