



Get Involved with Fedora QA

Testing

Presented by

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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



An abstract graphic featuring a dark blue background with a light grey, stylized human figure on the left. The figure is composed of rounded shapes, suggesting a head, torso, and limbs. To the right of the figure, there are several overlapping circles in shades of blue and grey. The overall composition is modern and minimalist.

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.



A stylized graphic on the left side of the slide. It features a light gray hand with fingers spread, holding a blue globe. The hand is positioned as if supporting the globe from below. The globe is a solid blue circle. The background of the slide is a dark blue gradient.

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 with abstract, overlapping shapes in a lighter blue and grey. The shapes resemble stylized human figures or abstract forms. The text is centered within this 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 ;-)



The background features a stylized logo on the left side. It consists of a light blue circle containing a white silhouette of a person with their arms raised. The person's body is a simple vertical line, and their arms are two thick, rounded shapes extending outwards and upwards. The entire logo is set against a dark blue background.

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>



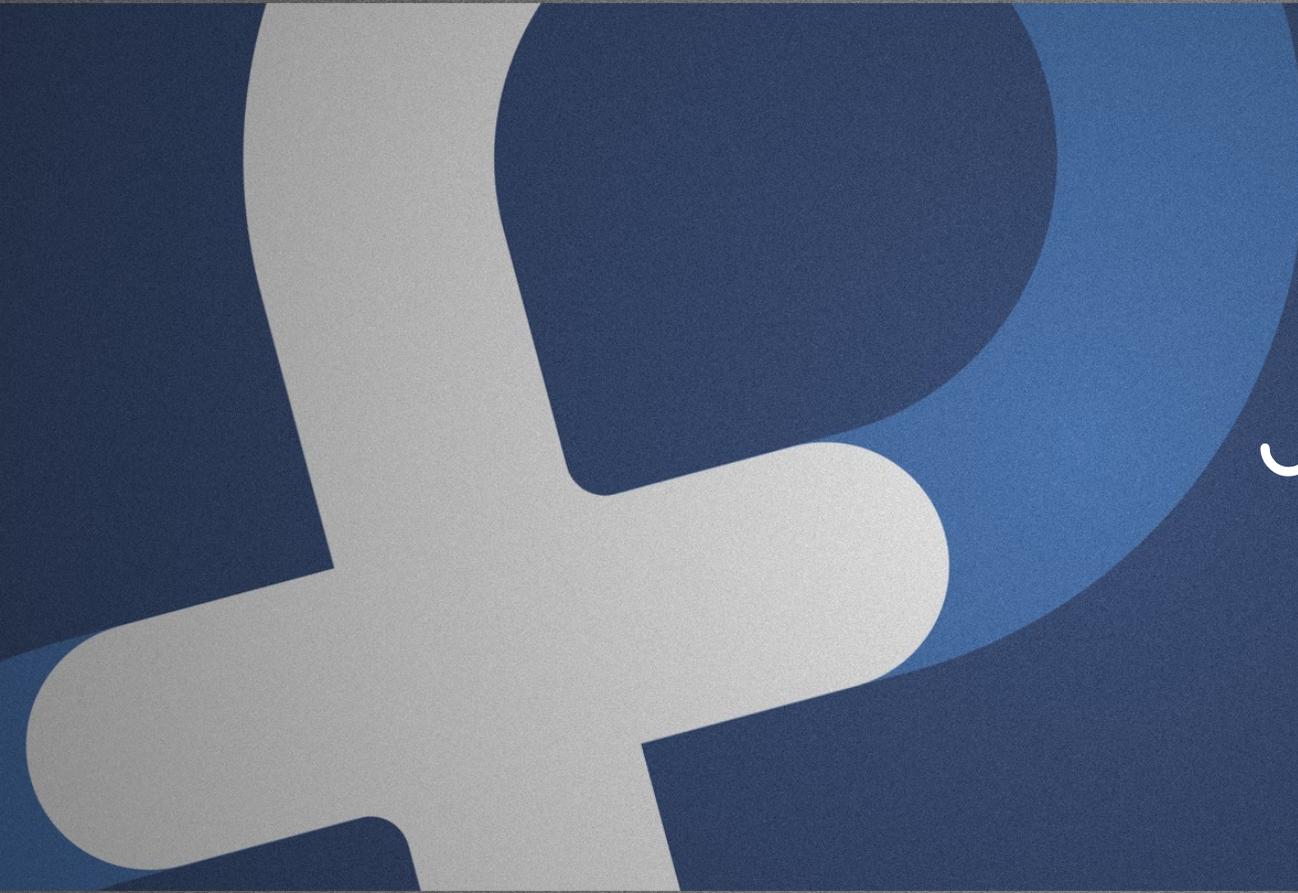
A stylized logo on the left side of the image. It features a light gray silhouette of a person with their arms raised in a 'V' shape. This figure is enclosed within a dark blue circle. The background of the entire image is a dark gray gradient.

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!

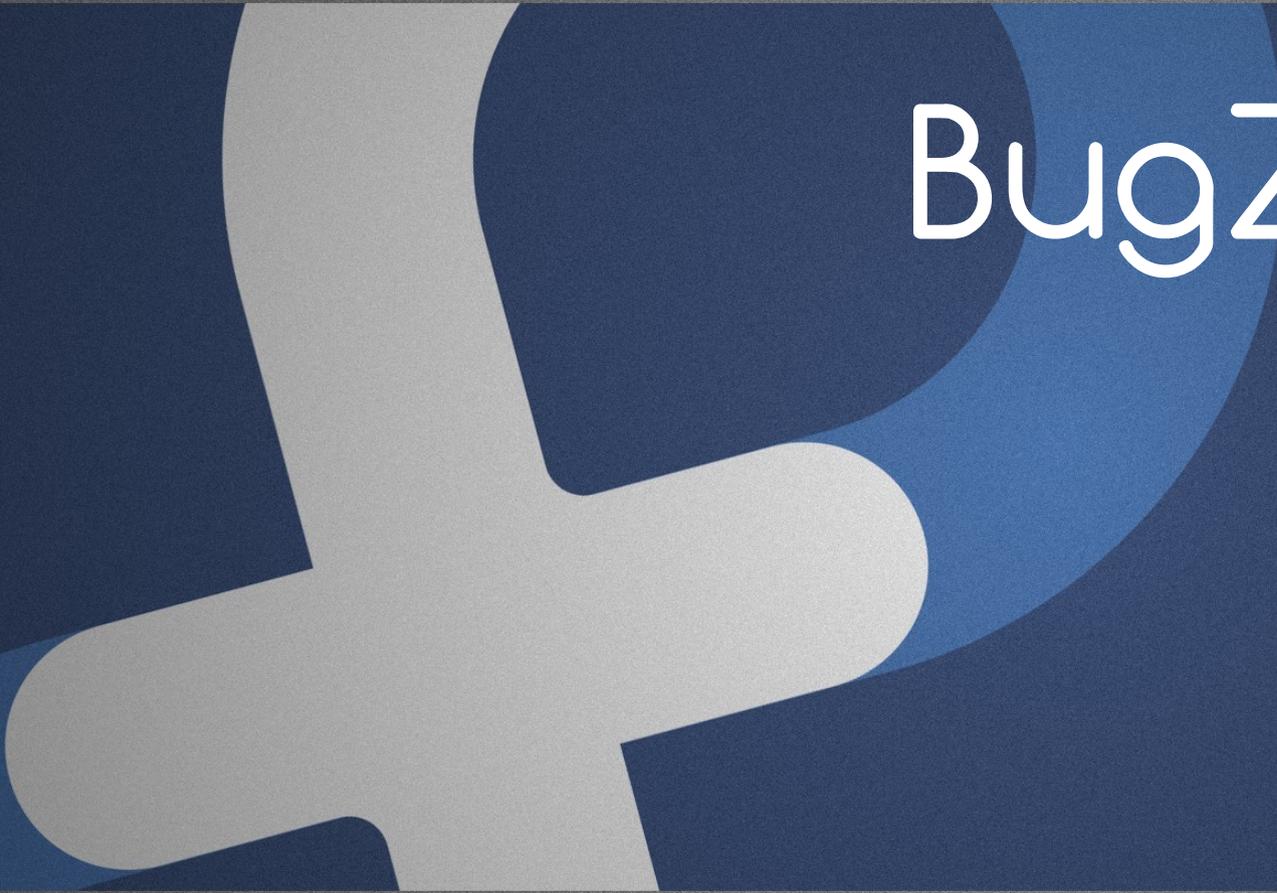


An abstract graphic on the left side of the slide, featuring a large, light grey shape that resembles a stylized letter 'F' or a similar symbol. This shape is set against a dark blue background with other overlapping blue and grey circular and curved shapes.

Questions?

Join us today!

Contact:
fabio@olive.pro.br

A stylized graphic of a person with their arms raised, rendered in light gray and dark blue. The figure is positioned on the left side of the image, partially overlapping a dark blue horizontal band. The person's arms are raised in a 'V' shape, and their head is represented by a dark blue circle. The background of the central band is a dark blue gradient.

BugZappers

BugZilla

Red Hat Bugzilla - Bug List

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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

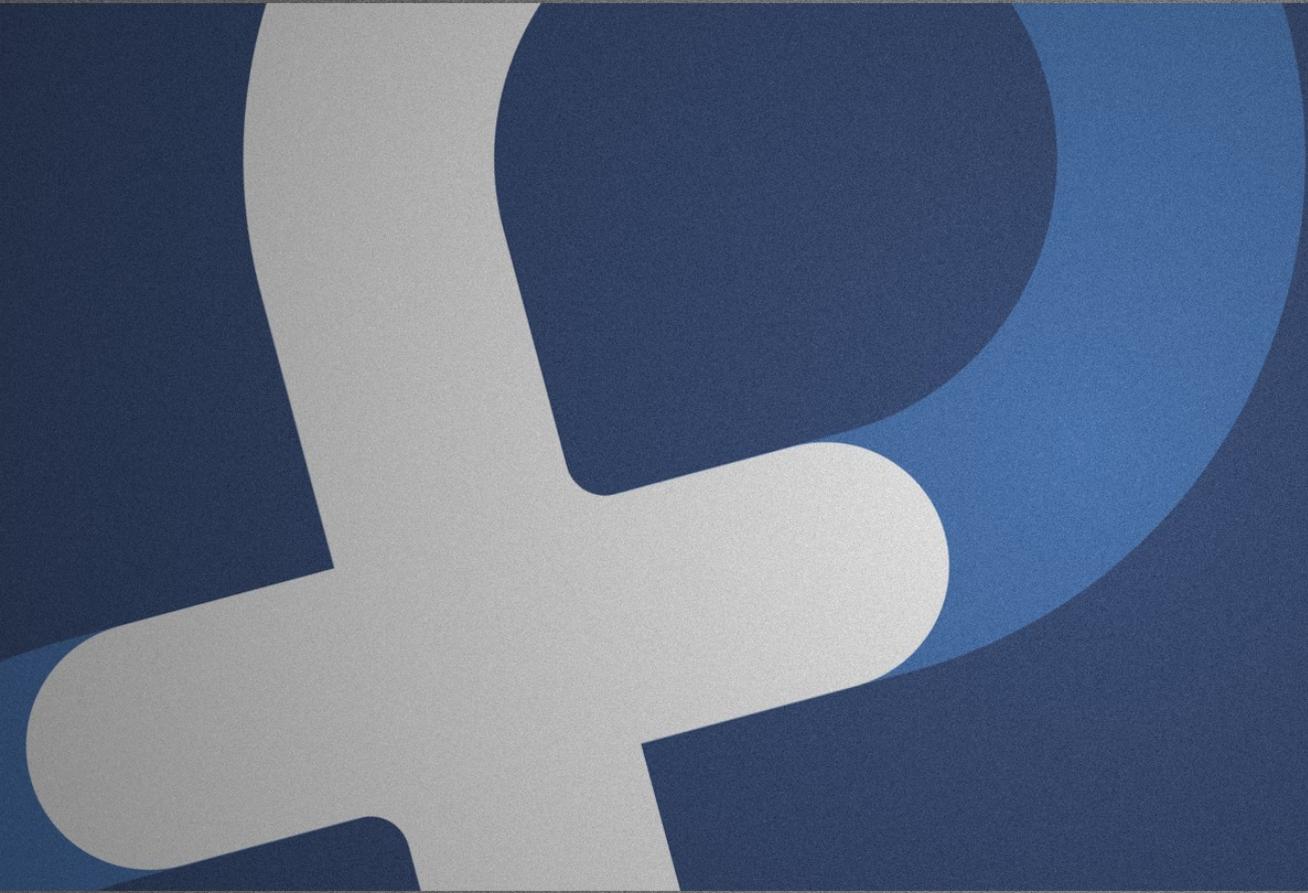
1. Using `livecd-tools`, write the iso image to applicable media
2. Boot the liveCD on a system capable of booting from the applicable media (either CD/DVD or USB)
3. Allow the bootloader prompt to timeout and boot the default entry
4. At the display manager login screen, click on the *automatic login*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

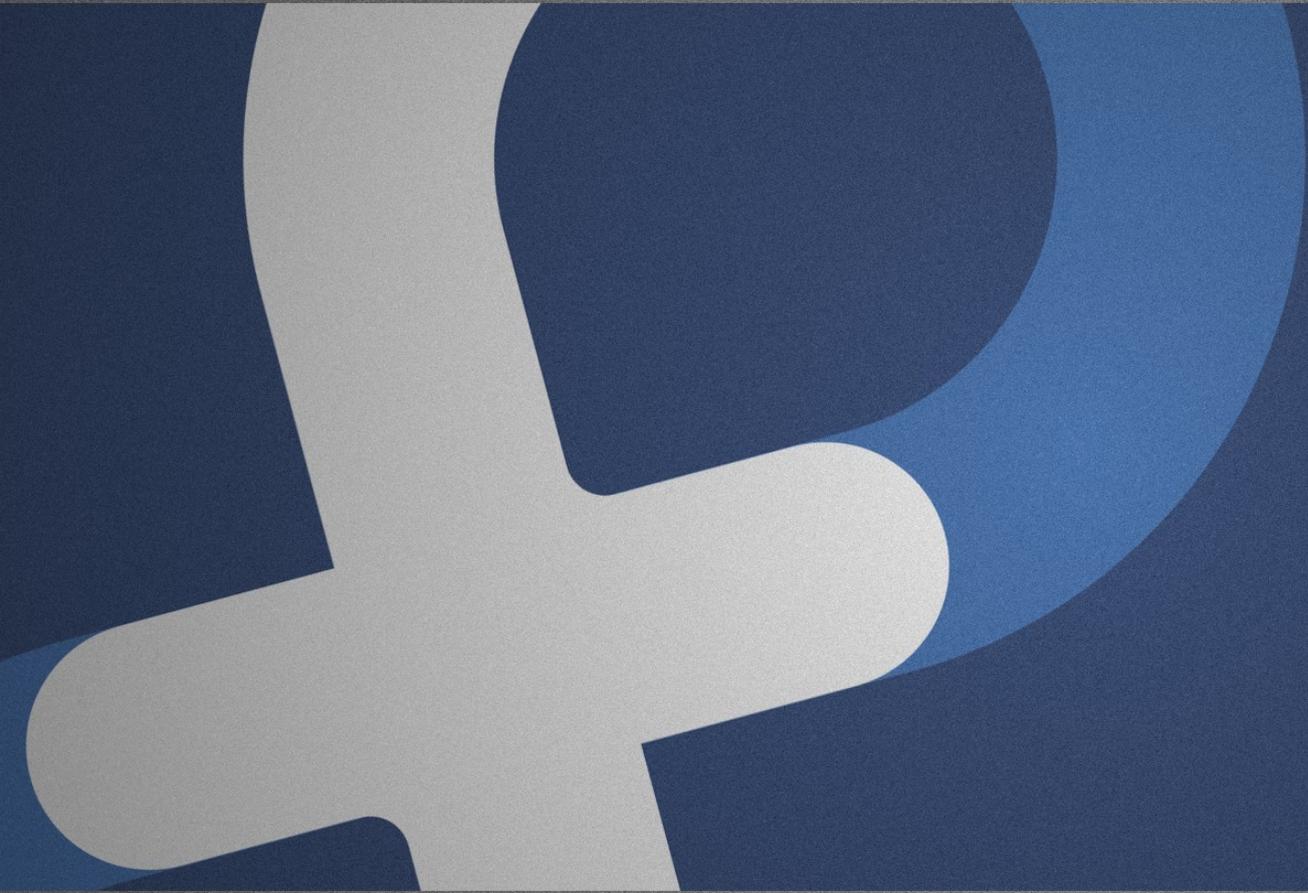
2 cont.

- [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](#)



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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.

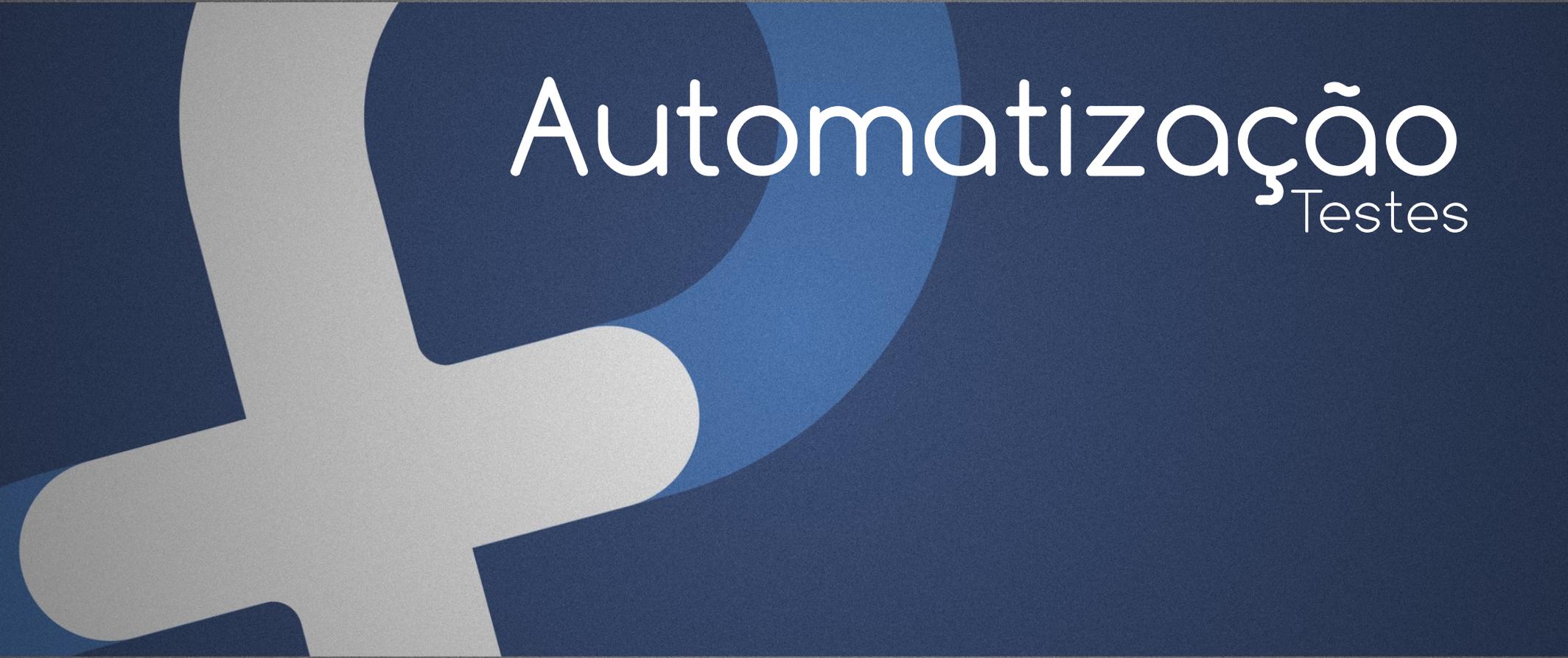
 [bodhi](#) - 2013-09-01 16:22:31

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.

The background features a horizontal band with abstract shapes in shades of blue and grey. On the left, there is a large, light grey shape that resembles a stylized letter 'F' or a similar geometric form. To its right, there are several overlapping circular and semi-circular shapes in various shades of blue, creating a layered, organic effect.

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
	Accepted Changes 100% Complete
2013-10-22 2013-10-29 2013-11-05 2013-11-12	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.