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.
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!
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 Fedorases out there ;-)


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 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 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.

<table>
<thead>
<tr>
<th>ID</th>
<th>Product</th>
<th>Component</th>
<th>Assignee</th>
<th>Status</th>
<th>Resolution</th>
<th>Summary</th>
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<tbody>
<tr>
<td>1079906</td>
<td>Fedora</td>
<td>kernel</td>
<td>Kernel Maintainer List</td>
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<td>mark kernel-devel and kernel-source installonly</td>
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<td>Fedora</td>
<td>rpm</td>
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<td>rpm -e kernel doesn't take kernel-uname-r deps into account?</td>
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<td>grubby</td>
<td>Peter Jones</td>
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<td>Kernel panic on boot after upgrade to 3.12 kernel</td>
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<td>1007931</td>
<td>Fedora</td>
<td>appliance-tools</td>
<td>Dennis Gilmore</td>
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<td>if a kernel is installed, write /etc/sysconfig/kernel with DEFAULTKERNEL set appropriately</td>
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<td>Fedora</td>
<td>fedropos</td>
<td>Matthew Booth</td>
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<td>kernel-devel not available for my running kernel</td>
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<td>Robert Peterson</td>
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<td>gfs2 kernel: BUG: unable to handle kernel paging request</td>
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<td>Ben Skeggs</td>
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<td>kernel-3.13.5 fails to boot with kernel moduleset and Nvidia GeForce 6200A D256M</td>
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<td>rsyslog</td>
<td>Tomas Heinrich</td>
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<td>Found duplicate kernel boot logs right after a kernel crash dump</td>
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Casos e Planos
Teste
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 livedc-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
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
This update has been submitted for testing by pbrobinson.

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

This update has been pushed to testing

This update has been pushed to testing

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

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

Critical path update approved

This update has been submitted for stable by pbrobinson.

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

This update has been pushed to stable
Automatização Testes
Ferramentas

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

- Bugs da versão Beta resolvidos;
- Instalação (Bootloader, DualBoot, LiveMedia);
- Pos-instalação (desktop defaults, serviços)
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>2013-07-02</td>
<td>Fedora 19 Release</td>
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<tr>
<td>2013-07-16</td>
<td>Change Proposals Submission Deadline</td>
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<td>2013-08-20</td>
<td>Changes Freeze -- Planning &amp; Development Ends</td>
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<td>Branch Fedora 20 from Rawhide</td>
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<td>2013-09-03</td>
<td>Software String Freeze</td>
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<td>2013-10-15</td>
<td>Accepted Changes 100% Complete</td>
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<td>2013-10-22</td>
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Benefícios

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

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