What is the Big Picture?
Fedora is People

- Helps lower the barrier for entry
- Encourage new developer contributions
- Enables members to collaborate and communicate effectively
Fedora is Tools

- Add a layer of cohesion between existing infrastructure and communication mediums
Fedora is Tasks

- Effectively delegate tasks to groups of people that have the skills to get them done
- Consolidate tasks into a single view
- Allow new contributors to get up and running fast by stepping them through process and pointing them in the right direction for help
- Automate repetitive tasks through workflows
Fedora is Community

- Bringing it all together
  - The best tools attract the most users
  - Makes it trivial to dive into projects and become a productive contributor
- Better utilize the skills of the community to facilitate open source development
- Bridges other communities to the benefit of both Fedora and Upstream
- Improves our current group structure by making it easier for groups to collaborate on shared goals
What are the Specific Goals of Moksha and Fedora Community?
Moksha Goals

- To bring AMQP to the web, and make it simple to use.
- To bring "real-time" to the web, and make it simple to use.
- To lower the barrier for creating rich live web applications.
- To bring together best available technologies to provide a next-generation software architecture.
- To facilitate community building "out of the box".
- To act as a central hub for any project/team/company/etc.
- To effectively wield community members through intelligent task delegation and mentorship.
Fedora Community Goals

- To bring existing tools into one user interface and bring tighter integration between them
- To increase communications between members of the Fedora Project
- To lower the barrier of entry for new users and developers
- To make package maintenance less of a burden on developers
- To bridge the gap between upstream and downstream by enabling better information sharing such as when new packages are released
- Make members feel like they are part of one cohesive project, even those who are working on projects based on Fedora
**Time Line**

- **Nov 25th '08**
  - My Fedora split into Moksha and Fedora Community

- **January 15th '09**
  - Fedora Community, portal to Moksha, with FAS login module ported, Boahi Connector functioning

- **February 1st '09**
  - Moksha Base Goals Done
  - Fedora Community Connectors and Site Layout Done
  - Fedora Community Applications

- **March 1st '09**
  - Fedora Community, complete for launch

- **March 1st '09**
  - Integrate Fedora Infrastructure with Moksha AMQP stack
Complete

- [X] WSGI (PEP 333) compliant application and middleware stack
- [X] real-time messaging hub using the Advanced Message Queuing Protocol (AMQP)
- [X] low-latency browser socket for asynchronous "real-time" browser<->server communication
- [X] powerful widget creation API that trivializes the creation of modular, scalable, reusable real-time widgets that can efficiently acquire data from a variety of sources.
- [X] data aggregation layer that handles fetching feeds for the widgets, caching them, and sending them to the user via AMQP messages through Orbited.
- [X] self-scaling architecture that can adapt to a variety of infrastructure environments.
- [X] highly-scalable plugin infrastructure that transparently handles initializing, dispatching, and manipulating applications and widgets – allowing people to rapidly innovate without worrying about the under/over-lying software architecture.
- [X] To make it simple to hook into any event in the system
- [X] resource layer that trivializes interacting with external services in an intelligent and efficient manner.
Fedora Community Status

Complete

- FAS Authorization and Authentication
- Koji Connector for builds data
- Base CSS styling
- Port to Moksha
- Main controller application
- Tabbed interface elements
- Datagrid for browsing data via the connectors

Todo

- FAS, Bodhi, PackageDB connectors
- FAS, Bodhi, PackageDB query enhancements
- Complete Layout
- Builds, Packages, Alerts, People, Search and Filter apps
- Beautifying
- Pagination control for grid
- Testing
User's Home Page

- **Account Status:** Any changes to your account shows up here
- **Alerts:** Notification for things like build failures
- **Latest Builds:** Keep track of your builds without having to go to the builds page
- **Tasks:** Quick links
- **Packages:** a list of quick links to packages you own
- **Planet Fedora:** Keep up with what others in Fedora are doing this morning
User's Builds Overview

- In progress, Failed and Successful Builds grid: Filtered tables showing you at a glance info on your latest builds.
- Package Lists: Quick links to commonly used filters to view the Builds data with.
- Alerts: Same application as the previous slide.
Package Details

- Description: Description of the package (wiki editable in the future)
- Recent Events: The latest processes run on this package
- Active release: Information about what versions of this package is released
- Changelog: the latest changelogs from the rawhide package
# User's Updates

- Unpushed, Testing, Stable updates – overview of your latest updates

## UPUNISHED UPDATES

<table>
<thead>
<tr>
<th>Package</th>
<th>Build Age</th>
<th>Release(s)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>xchat</td>
<td>2.6.4-7.fc10</td>
<td></td>
<td>Unpushed</td>
</tr>
<tr>
<td>ekiga</td>
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<tr>
<td>krita</td>
<td>2.2.6-7.fc9</td>
<td>Fedora 9</td>
<td>Testing</td>
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<tr>
<td>gnome-games</td>
<td>0.3.0-6.fc10</td>
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<tr>
<td>audacity</td>
<td>9.0.6-8.fc10</td>
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</tbody>
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Viewing 5 of 7 unpushed updates. View all 7 unpushed updates >

## TESTING UPDATES

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<tr>
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<th>Release(s)</th>
<th>Status</th>
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<tbody>
<tr>
<td>firefox</td>
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<td>thunderbird</td>
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<td>nautilus</td>
<td>9.0.8-8.fc10</td>
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Viewing 5 of 10 testing updates. View all 10 testing updates >

## STABLE UPDATES

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<tr>
<th>Package</th>
<th>Date Pushed to Stable</th>
<th>Release(s)</th>
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</thead>
<tbody>
<tr>
<td>xchat</td>
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<td>Fedora 10</td>
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<tr>
<td>ekiga</td>
<td>9 Jan 2009</td>
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<tr>
<td>krita</td>
<td>9 Jan 2009</td>
<td>Fedora 9</td>
</tr>
<tr>
<td>gnome-games</td>
<td>7 Jan 2009</td>
<td>Fedora 10</td>
</tr>
</tbody>
</table>

Viewing 5 of 10 stable updates. View all 10 stable updates >
User's Profile

- Recent activities: Keeps track of the recent groups you have and permissions you have been granted
- My Memberships: Groups you are a part of
- My Packages: packages you maintain
Unified Search

- Search all resources in one interface