The State of Fedora

(F21, F22, and beyond)

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Wow

very Fedora

much sysadmin

so hpc

lol mattdm

such university

many red hat
(This is not what I'm talking about.)
Meanwhile, in the world

- Phones! Tablets! Android! ChromeOS!
- IT budgets shrinking, automation everywhere
- Cloud! EC2! OpenStack! GCE! (And, PaaS)
- Containers! Docker! CoreOS!
- Language-stack package centers
And so...

- Base OS considered boring
- Distro effort / reward balance changed
- Distro-level package management obsolete?
Shout outs!

- Everyone is awesome.
- openSUSE
  - Community release engineering
  - Rings model for Factory
  - Continuous integration
- Arch Linux documentation rules
- CoreOS
Fedora.next

- A word for planning and direction-setting — instead of marching ahead without looking around
- No secret agenda (except Fedora success, which isn't too secret)
- Open to your contributions
- Going to take a few years, with incremental improvement
We do a pretty good job of making the base distro
collection of packages is mostly high quality

So:
- What do we need to do outside of that?
- How can we make what we already have even better?
More... things!

- Positive voice for server and cloud
- RHEL and CentOS stakeholders
- Strategy for desktop success
- Combat or work with “base = boring” trend
- Difficulty building on top of Fedora
- Barriers to entry in the wrong place
- Balance of innovation vs. change management
Why?

- Voice for Server
- User focus for Workstation
- Flexibility for Cloud
More why!

- Grow the user base in strategic areas
- Easier development target
- Connect server to future RHEL
We can ship sets without taking away the basic blocks!
Docker! Docker! Docker! (Kubernetes!)

Project Atomic: best, most secure way way to run containerized apps in the cloud

Cloud Base Image: minimal base
Easy deployment of predefined server roles
Using an API or the Cockpit GUI
Best Linux desktop for developers
(developers are people, too)
Extremely rough numbers with considerable guesswork and not yet enough data
Base Design

- A self-hosting “center”
- Self-hosting is hard but important
- Common core for everything else
- An API we can (eventually) define
- Focus engineering resources for quality
Environments are where you run the code you care about

- PaaS
- Desktop app containers

Stacks are modular collections of software which is used by other software

- Languages
- Frameworks
- Databases
- Whatever
Apps?

- This is a future thing. We'll see where it goes!
- Atomic
- LinuxApps?
Ring Rules

- Policy model, not an OS layer diagram
- Bundled libraries (with documentation?)
- Multiple versions
- Not necessarily RPM everywhere!
- Different lifecycles (not yet!)
- SIGs create “bubbles” of policy
- Traditional RPM packaging has a place too
Fedora 22

- May Release (Strict schedule. Well, strict *ish.*)
- Python 3 by default
- DNF package manager
- Gnome 3.16
- More Server Roles
- Even more minimal cloud image
- Updated Atomic
- Other stuff: Elasticsearch, local DNS, libinput, Ruby 2.2 + Rails 4.2, Perl 5.20, GCC5
Questions?

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