



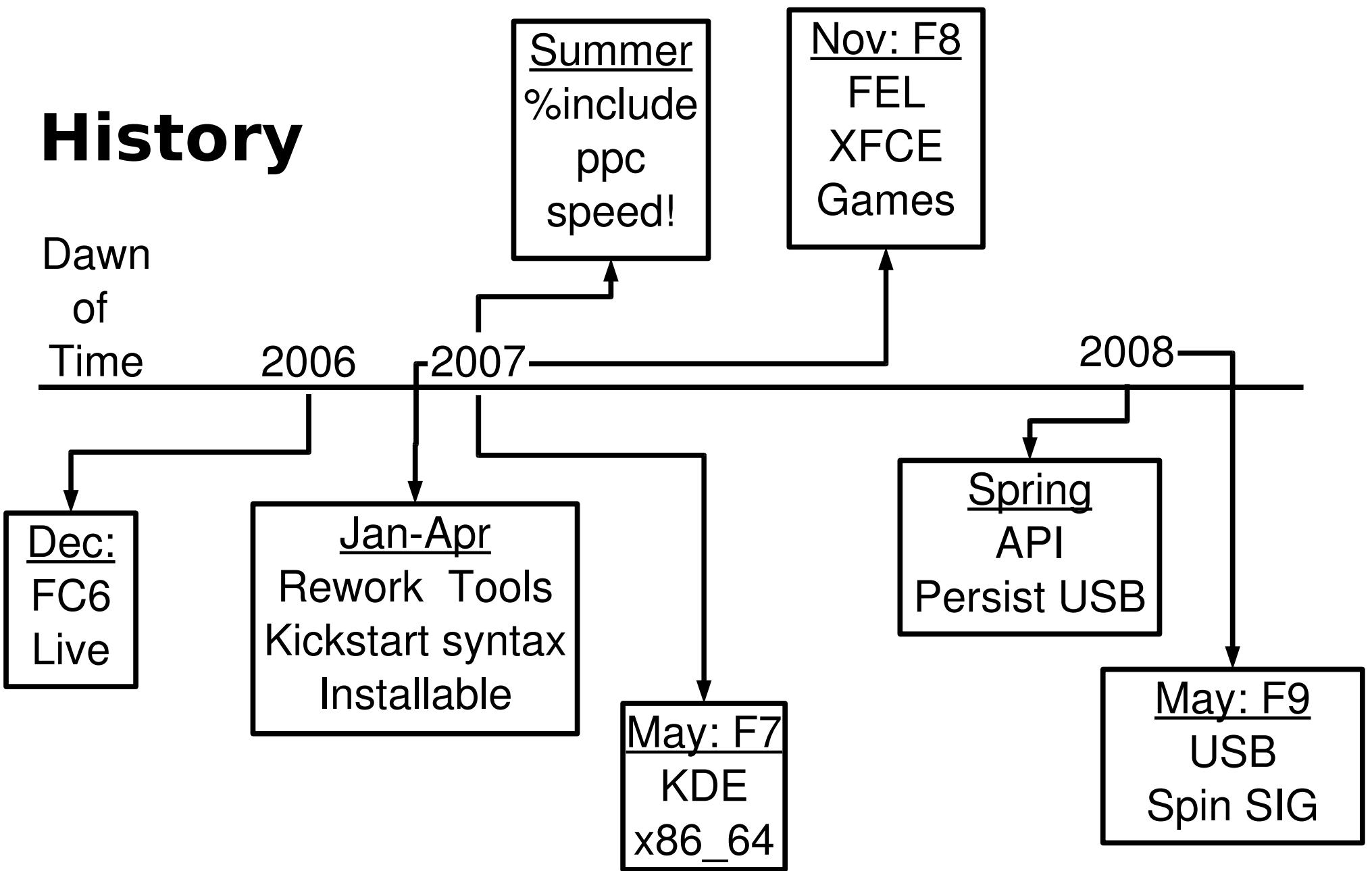
Fedora Live!

Jeremy Katz

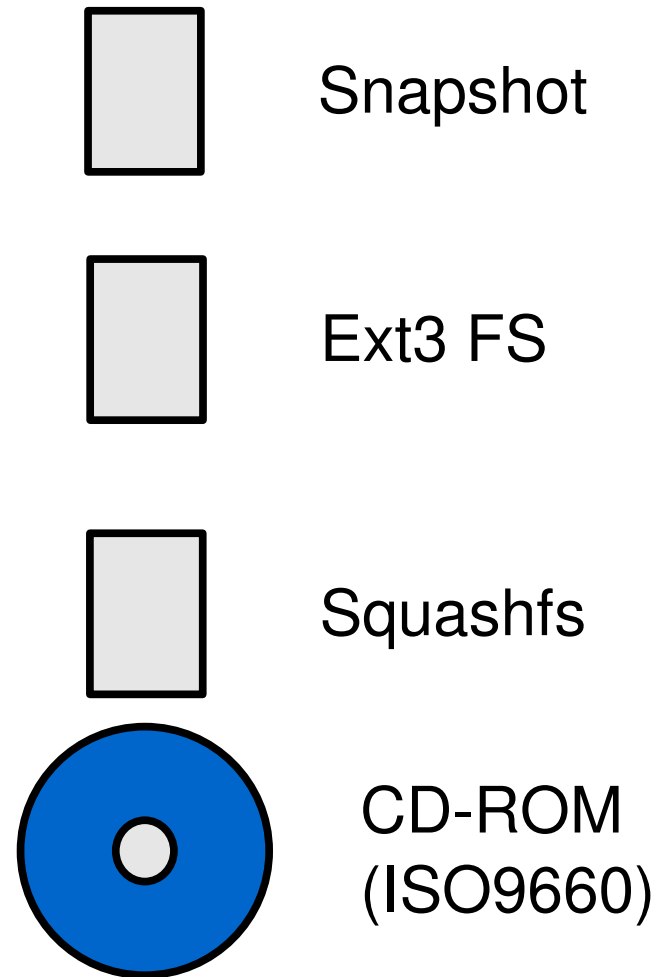
Principal Software Engineer, Red Hat, Inc.

History

Dawn
of
Time



What does the LiveCD look like?



Advantages of this architecture

- Similarity to “normal” systems
- Compression
- SELinux
- Installability

Making a Live CD

- # livecd-creator --config=livecd-fedora-desktop.ks --
fslabel=mylive
 - [.... wait a while ...]
- # ls -l mylive.iso
- -rw-rw-rw- 2 katzj katzj 724121600 2008-05-07 23:05
mylive.iso

The Live CD Configuration Syntax

- See `/usr/share/livecd-tools/*ks` from `livecd-tools` package...
we'll go for a look now

Just kickstart syntax!

What does the LiveUSB look like?



Snapshot



Ext3 FS



Squashfs



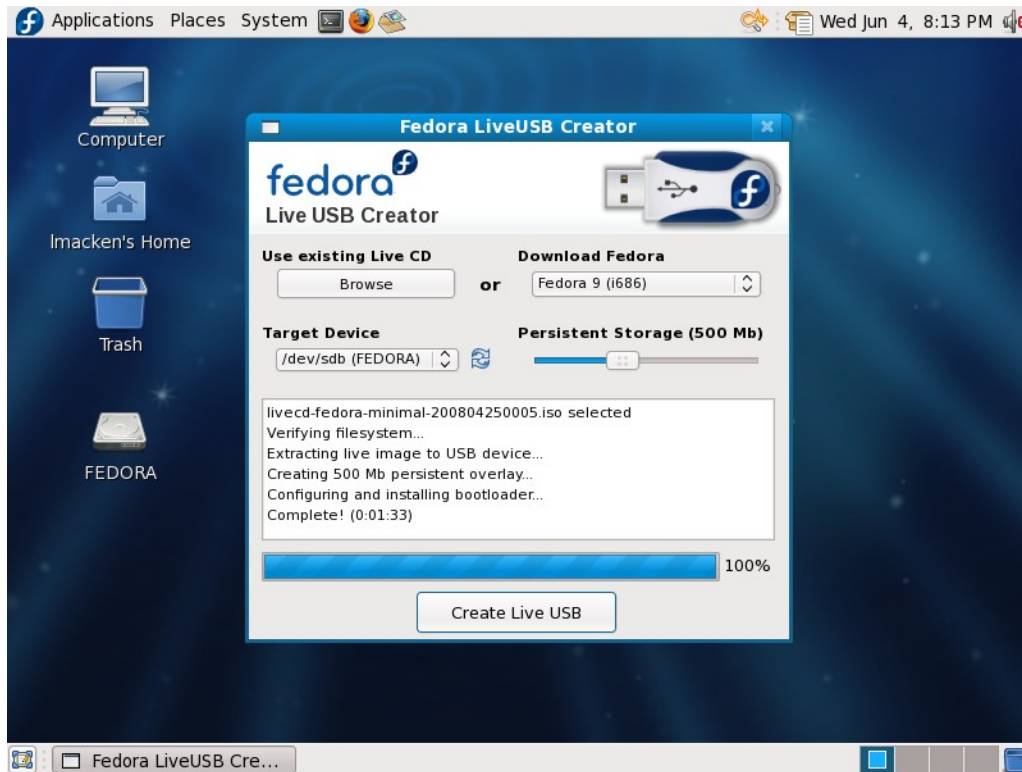
USB Key
(VFAT/ext3)

Making a Live USB

- # `./livecd-iso-to-disk /path/to/iso /dev/sdc1`

- Available Options
- Persistent Overlay Size (`--overlay-size-mb`)
- Don't verify (`--noverify`)
- Reset MBR (`--reset-mbr`)
- Persistent Home Size (***NEW***) (`--home-size-mb`)
 - Encrypted!
 - Allows you to “upgrade” your stick

LiveUSB Creator



Other API Users

- LTSP
 - Creates a chroot to export for LTSP
- Simple image creator
 - Simple, basic ext3 image
- Revisor
- Appliance-creator
 - Under development
 - Bryan Kearney is speaking about Appliances later today

What next?

- More API work
- Improving persistence
 - Persistent /home as mentioned
 - Consider unionfs some more
 - Improve dm-snapshot
- Building with SELinux enabled and different policies
- More code-sharing with anaconda
 - pykickstart to write out configuration
- RHEL live images (?)

What do YOU want?

Questions???

References

- Main LiveCD Wiki Page

<http://fedoraproject.org/wiki/LiveCD>

- GIT repository for livecd-creator

<http://git.fedorahosted.org/git/livecd>

- Fedora LiveCD Mailing List

fedora-livecd-list@redhat.com