Being a Catalyst in Communities -

The scientific facts about the open source way

- Karsten 'quaid' Wade, Sr. Community Gardener

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Who: @quaid

Fedora et al contributor

FOSS advocate for 10 years

Red Hat's community leadership team

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Being a catalyst in communities

To be the catalyst in communities of customers, contributors, and partners creating better technology the open source way.

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An evolution of learning to be a better catalyst:

RHL => Fedora & RHEL

Fedora + SELinux = pain, gain

Virt dance: Xen, KVM, and libvirt

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--- BEGIN IRC LOG ---

https://lwn.net/Articles/83360/

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Below Stats are based on active hosts, not total hosts

Archs | OS | Runlevel | Language | Vendor | Model | RAM | Swap | CPU | Kernel | Form Factor | Selinux | Filesystems

SELinux Enabled			
1	128515	**65.3 %**	
0	68170	**34.7 %**	
SELinux Enforce			
Enforcing	108496	**55.2 %**	
Unknown	37719	**19.2 %**	
Not Installed	24952	**12.7 %**	
Disabled	11507	**5.9 %**	
Permissive	10623	**5.4 %**	
targeted	3385	**1.7 %**	
seedit	2	**0.0 %**	
mls	1	**0.0 %**	
SELinux Policy			
targeted	167660	**85.2 %**	

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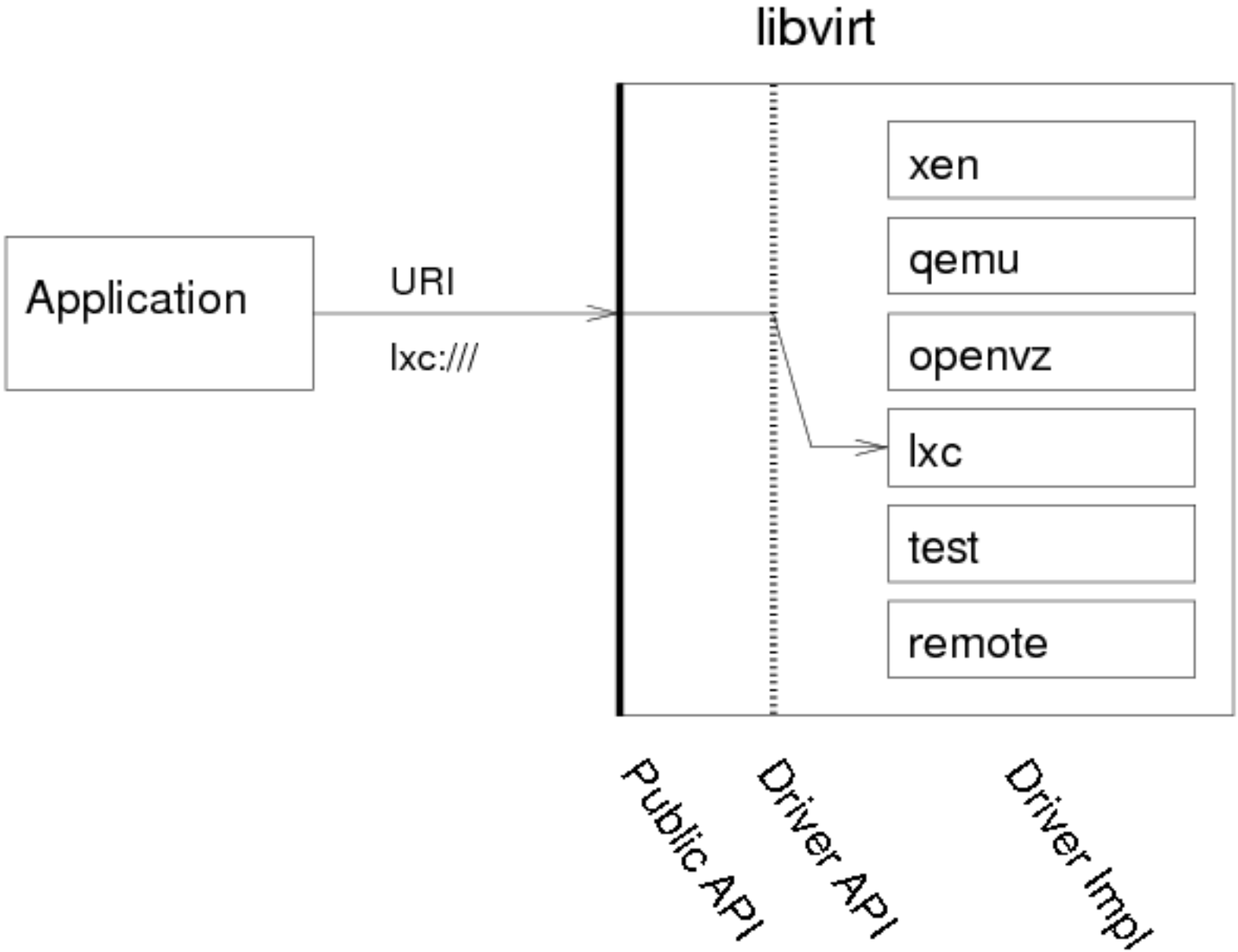
libvirt
Application
URI
lxc:///
xen
qemu
openvz
lxc
test
remote
Public API
Driver API
Driver Impl

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Professors Open Source Summer Experience: POSSE

Being a catalyst in education

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Professors Open Source Summer Experience: POSSE RDU 2009

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From POSSE to Communities of Practice

Communities of practice are formed by people who engage in a process of collective learning in a shared domain of human endeavor: a tribe learning to survive, a band of artists seeking new forms of expression, a group of engineers working on similar problems, a clique of pupils defining their identity in the school, a network of surgeons exploring novel techniques, a gathering of first-time managers helping each other cope. In a nutshell: Communities of practice are groups of people who share a concern or a passion for something they do and learn how to do it better as they interact regularly.

- Wenger, McDermott, Snyder "Cultivating Communities of Practice"

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Elements of a Communities of Practice

--

Domain (what)

Community (who)

Practice (how)

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Principles of Communities of Practice

--

1. Design for evolution
2. Open a dialogue 'tween in/out
3. Invite different levels of participation
4. Develop public/private spaces
5. Focus on value
6. Combine familiarity & excitement
7. Create a rhythm for the community

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The Open Source Way:

Creating and nurturing communities of contributors

http://www.TheOpenSourceWay.org/wiki

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How does this matter to you?

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Image: exploratorium.edu

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Questions?

Links:

http://www.TheOpenSourceWay.org/wiki

http://TeachingOpenSource.org/POSSE

http://quaid.fedorapeople.org/presentations

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Not just gut instinct, an understanding of community processes informed by science.

Tom Sawyer & the barn raising.

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Fedora => RHEL & lessons learned.

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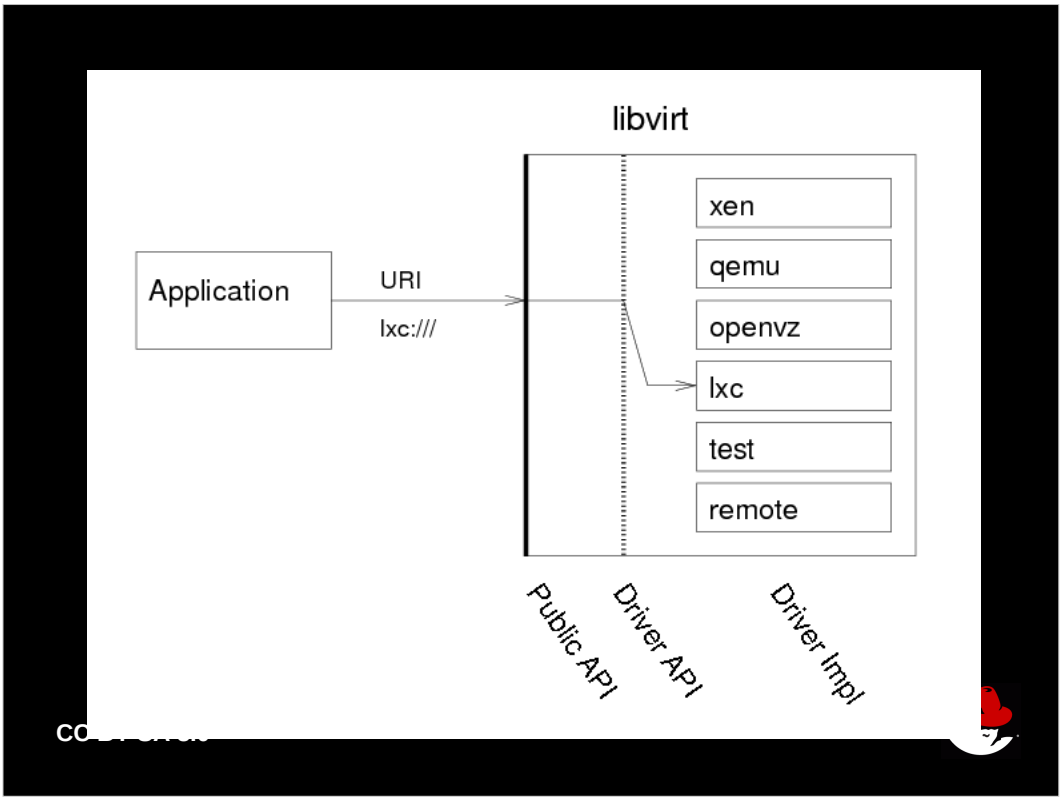
libvirt
Application
URI
lxc:///
xen
qemu
openvz
lxc
test
remote
Public API
Driver API
Driver Impl

Focus on higher edu as a place to teach how to participate in open source, not just as a consumer.

Students are graduating without experience that FOSS gives.

Our team took observed, talked, and learned:
1. No single location for educators to discuss resources and processes.
2. Academic calendar is different from FOSS calendar.
3. Success formula: having the educator already a contributor.

TeachingOpenSource.org [Webpage] – a CoP that has helped in many cases, e.g. OSCON Edu track.

POSSE – taught by community & FOSS contributors; productively lost; [Pic]

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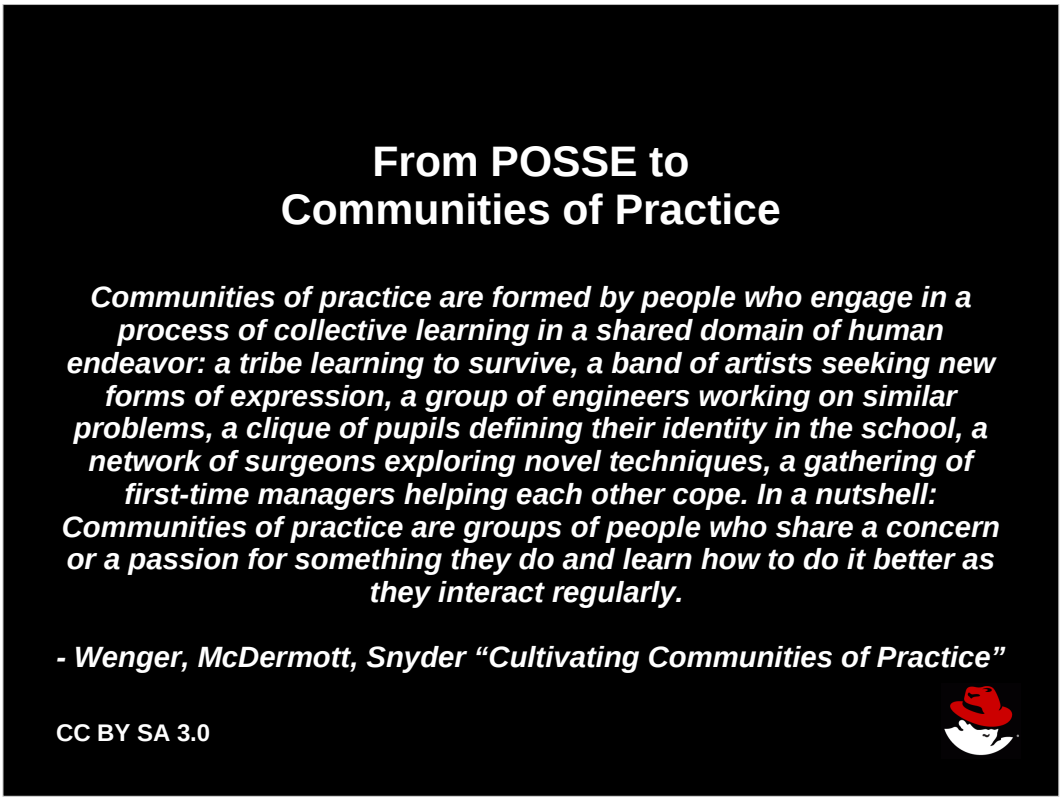
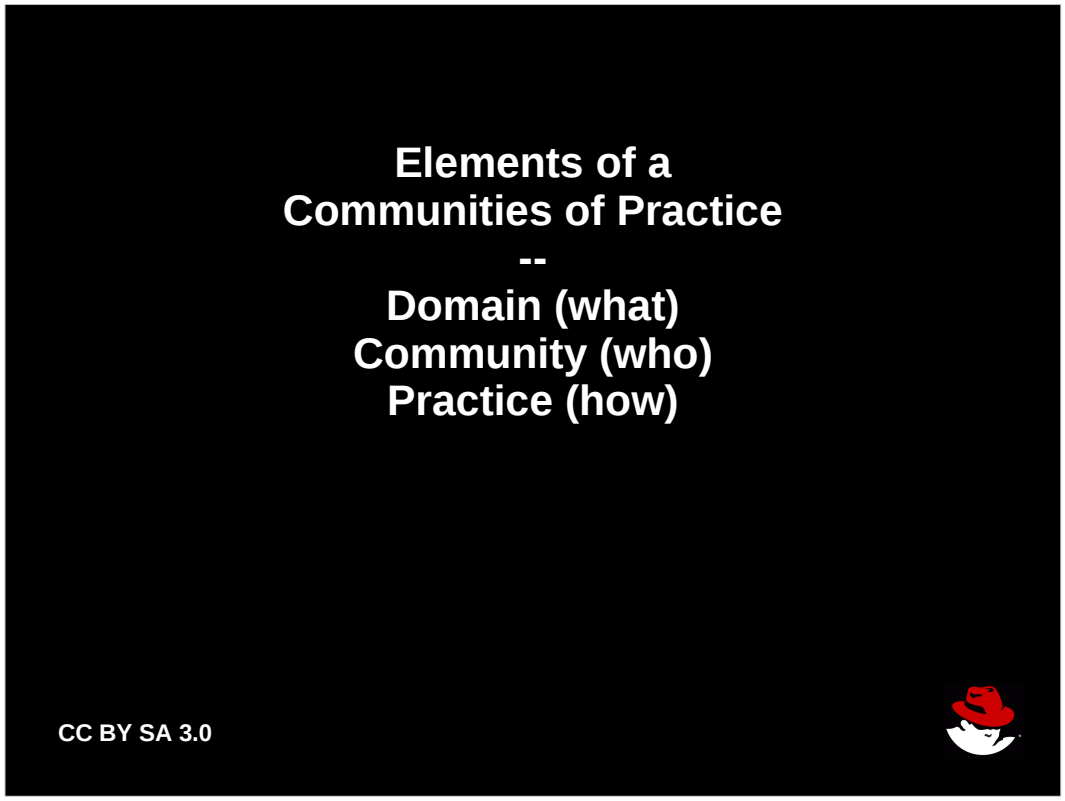


Greg's moment with Matt Jadud and Cam Seay.

FOSS is a big Community of Practice.

CoP scientific discipline is a better measuring stick than downloads and mailing list size. The principles and elements are there or not, working or not.

Pattern Language influence – how humans build environments, from home to cities.



3 structural elements:

Domain – area of knowledge: skateboarding, hunting, IP law

Community – set of people who care about the domain: skateboarders, hunters, lawyers
- Don't judge by activities, silence, etc.

Practice -

7 principles:

Design for evolution – e.g. live spins

Open a dialog between inner and outer perspectives – e.g. clique is expected, show how to talk inward/outward

Invite different levels of participation – How to build experts with LPP

Develop both public and private community spaces – Makes the open, transparent work; brings in diff introvert/extrovert styles, etc.

Focus on value – What get from them, what they get

Combine familiarity and excitement – Prince St. Boston

Create a rhythm for the community – Meetings, releases, etc.

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Scientific support via CoP and implementing TOSW and how it matters to you.

1. Individual trying to make headway adopting FOSS gains from the referenceability.

2. Helps you make a more compelling business case about using open source beyond low-cost. In addition, look at “The Open Source Triple Play.”

3. If your CoP intersects technically, this helps you make better open communities.

4. Handbook to help participate in open collaborations – good for learning, CV, personal networking.

5. Every time someone looks to FOSS for a model, this book helps them.

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