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FORGE NEW GROUND IN RAPID ENTERPRISE JAVA DEVELOPMENT

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#seamforge #jbw

Lincoln Baxter, III (@lincolnthree)

- Senior Software Engineer – JBoss, by Red Hat
- Founder and Project Lead of Seam Forge
- Founder of OCPSoft.com (PrettyFaces URL-rewriting, PrettyTime)
- Open-source advocate (addict.)
- JSF2.2 Expert Group Member (JSR-344)
- And more, but who cares.

On the agenda:

- The *problem*…
- Demo
- Forge ahead!
- PLUGINS!
- Demo
- The power of openness
- Wrap-up and Q/A

The problem…

Java/EE development today

There's $#@! that wastes your time…

- Many *gotchas* and inconsistencies
- Integration becomes increasingly complex as you work-around these issues
- Fragmented communities of frameworks

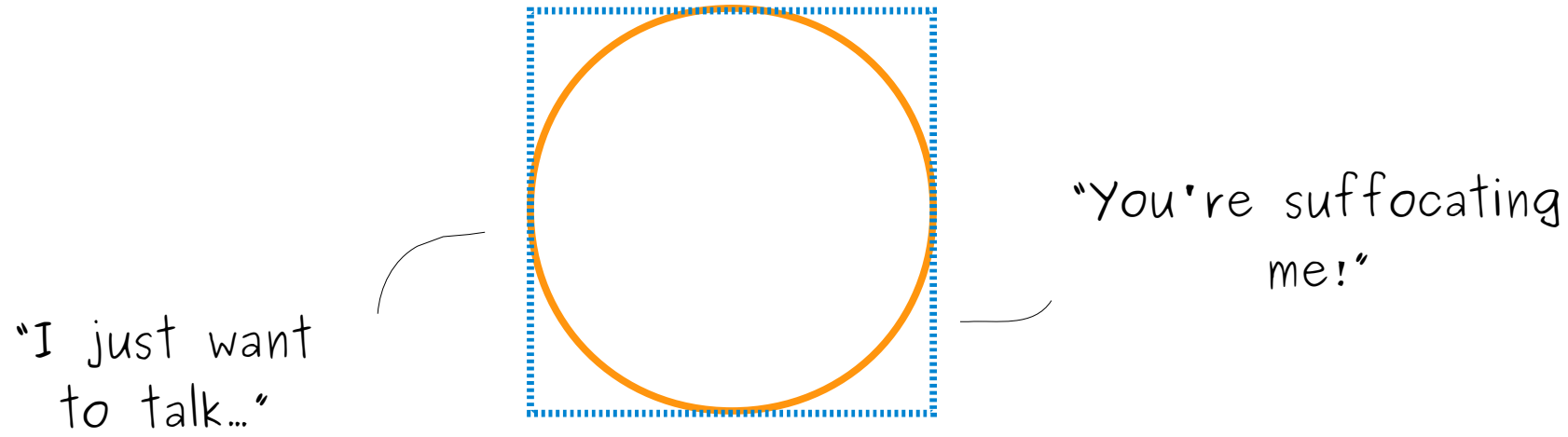
Addressing *Gotchas*

$#@!

Requires:

- Good education, examples, or abstraction
- Deprecating old APIs and configurations
- A centralized community for knowledge sharing

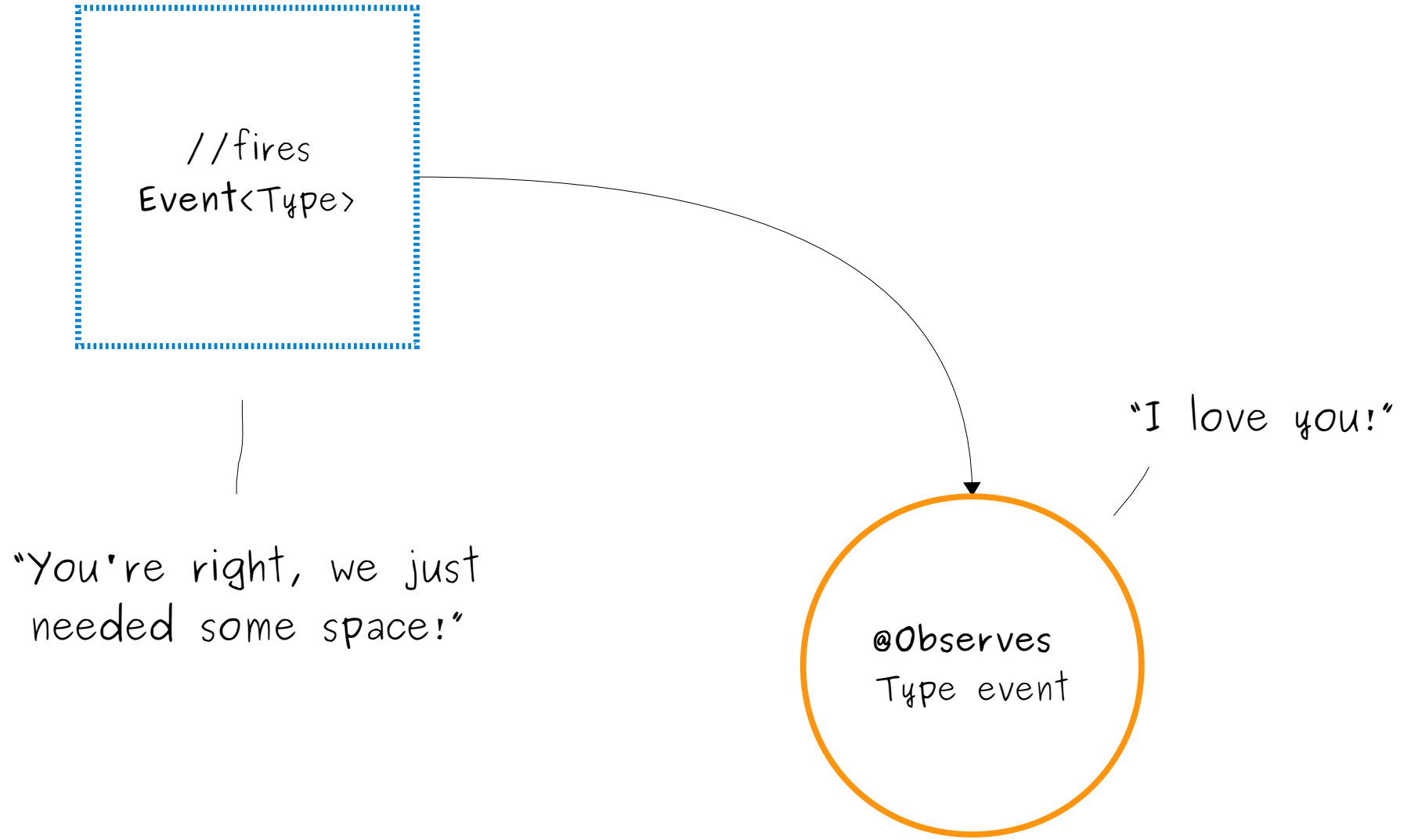
Addressing Integration



"I pity 'da foo!"

CDI

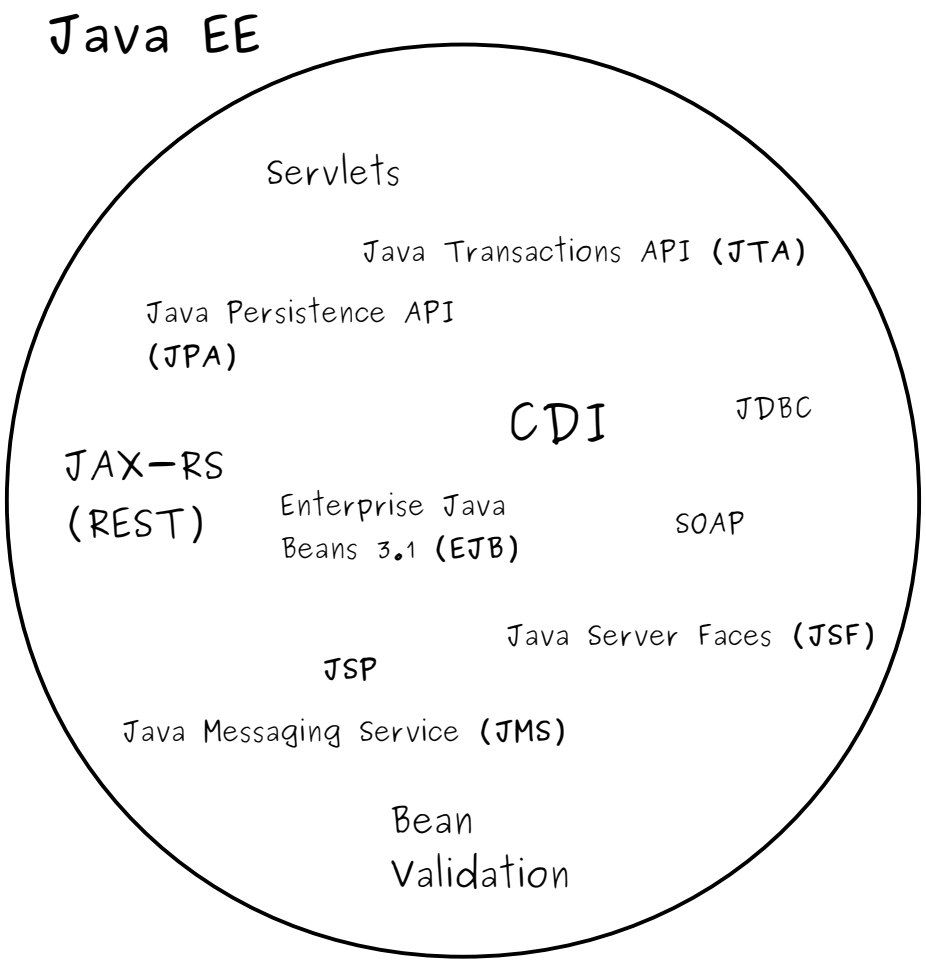
Loose coupling and strong typing; a dream come true.


//fires
Event<Type>
"I love you!"
"You're right, we just needed some space!"
@Observes
Type event

"It works well because, among reasons, it is declarative, logical, and separates concerns."

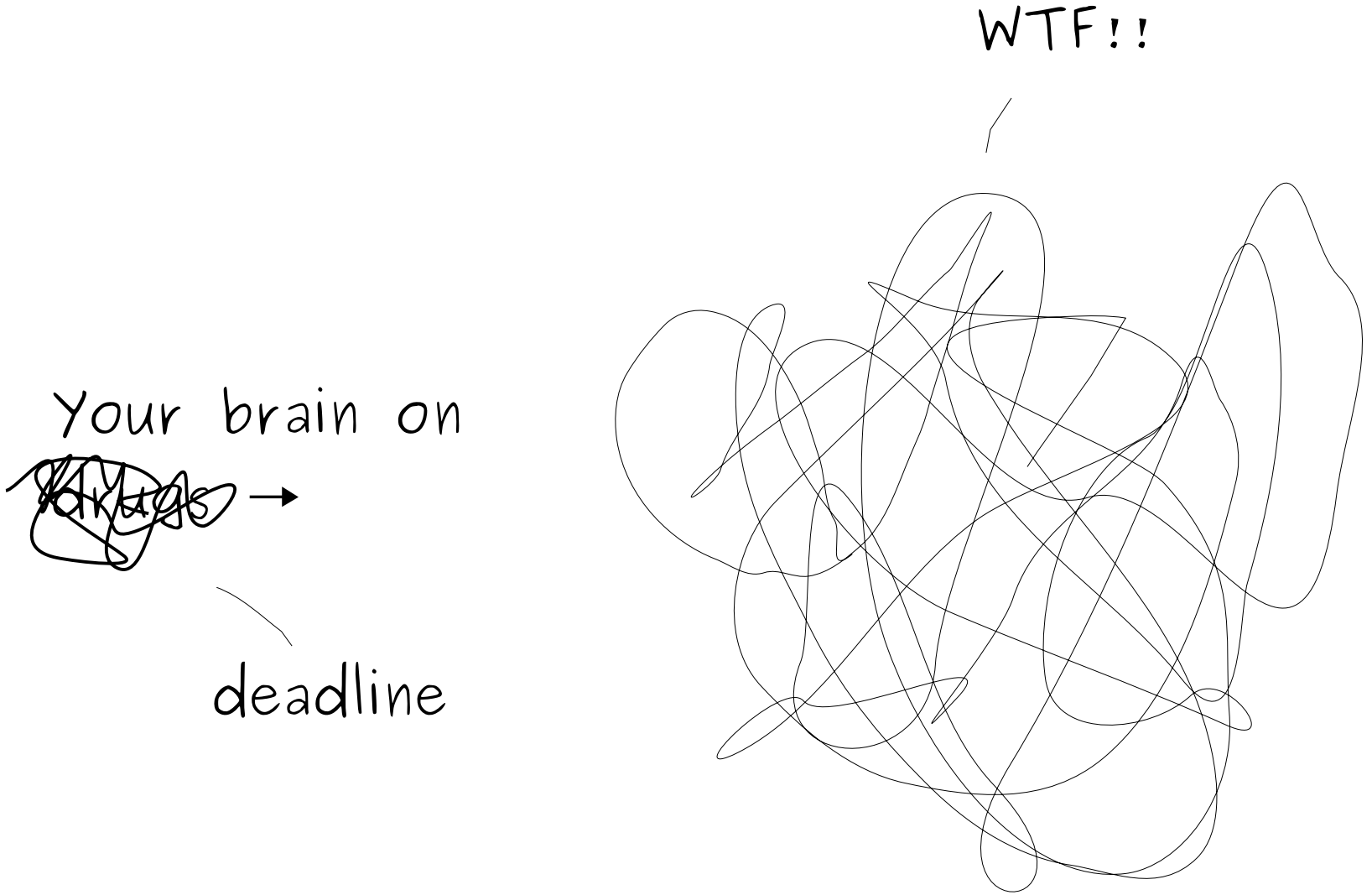
– Me.

Fragmentation



Security
RichFaces
Spring
NetBeans
Eclipse
jquery
OAUTH
AJAX
Ant
Payment Gateways
Maven
yui
Tapestry
PrettyFaces
Html 5
Seam 3
Wicket
OpenID
websockets
Infinispan
Gradle

Your brain in tech heaven →


WTF!!
Your brain on
deadline

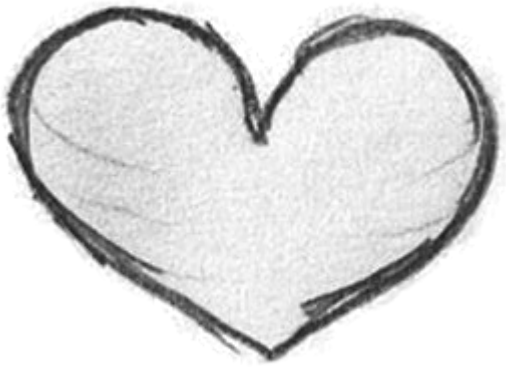
Addressing Fragmentation

Requires:

- A centralized platform/experience
- A centralized on-line presence (the app market)
- Empowered contribution and involvement

So what if we could have:

1. Someone to take care of us, fix the *gotchas* and handle most configuration



2. An abstract, yet consistent process for integrating frameworks

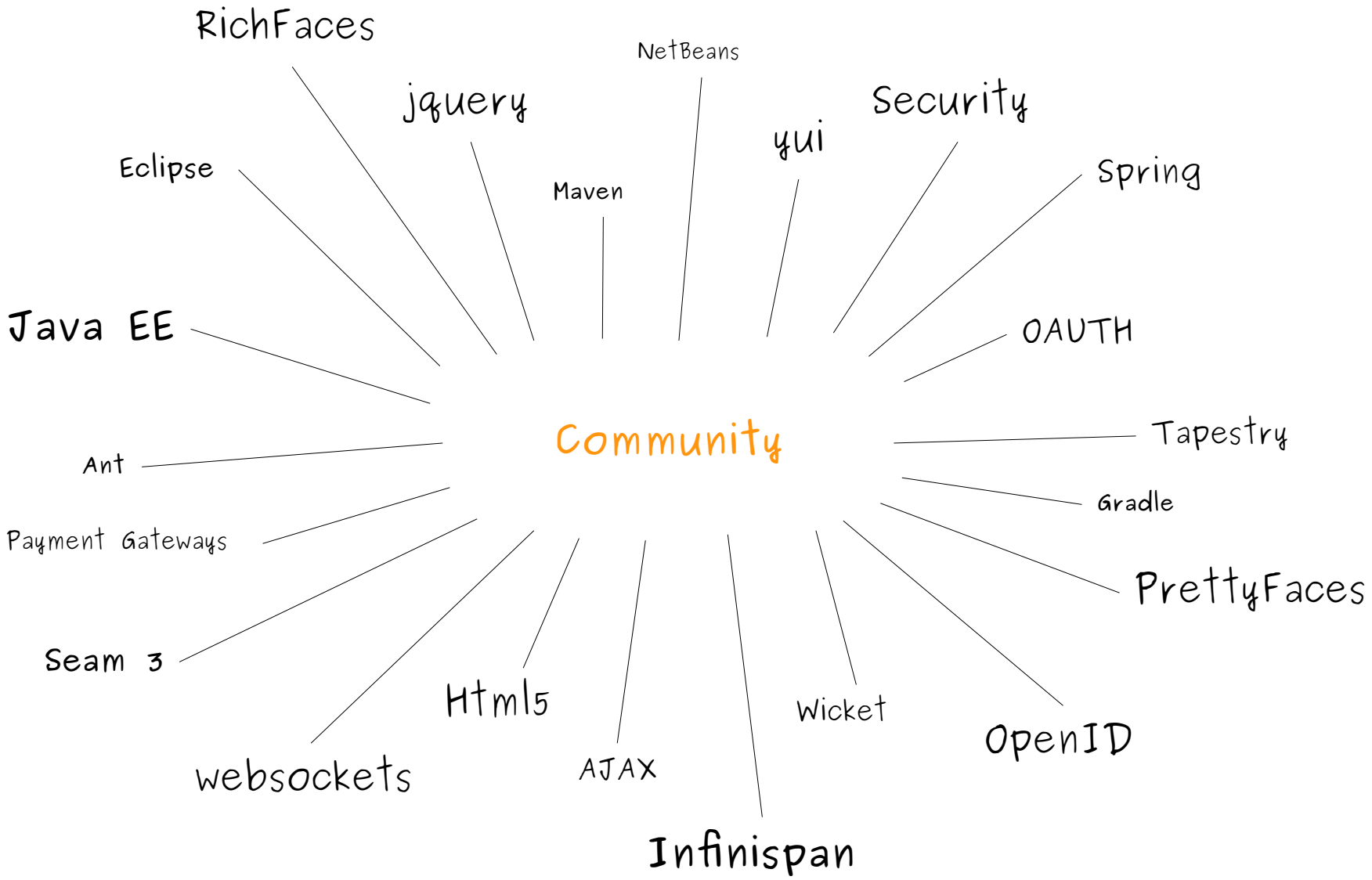
```
$ setup persistence

$ setup faces

$ setup jms

$ setup security
```

3. A common place to love and collaborate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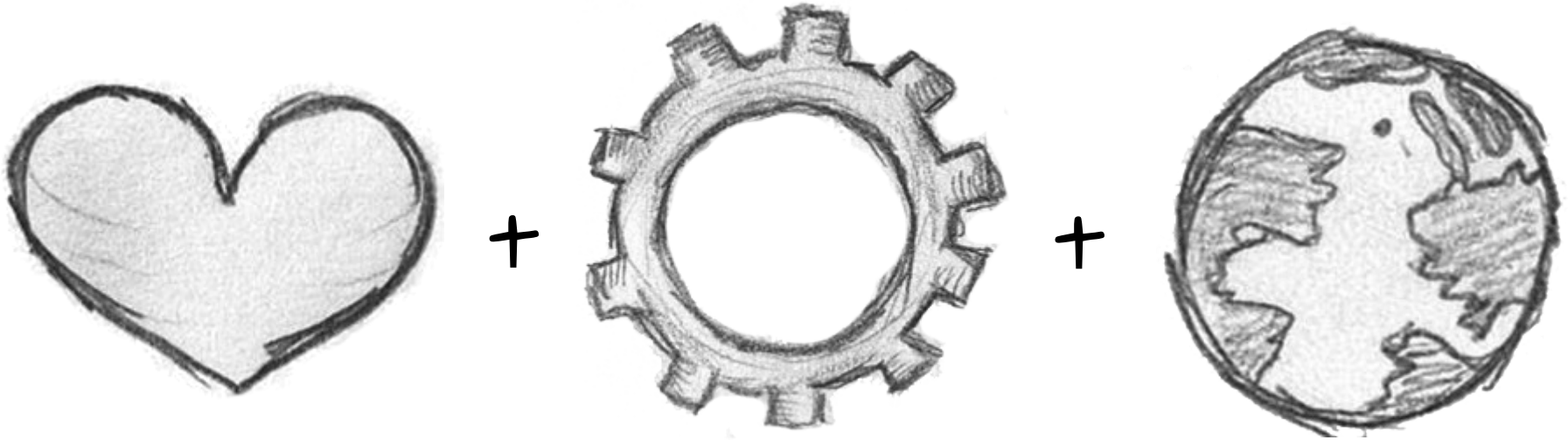

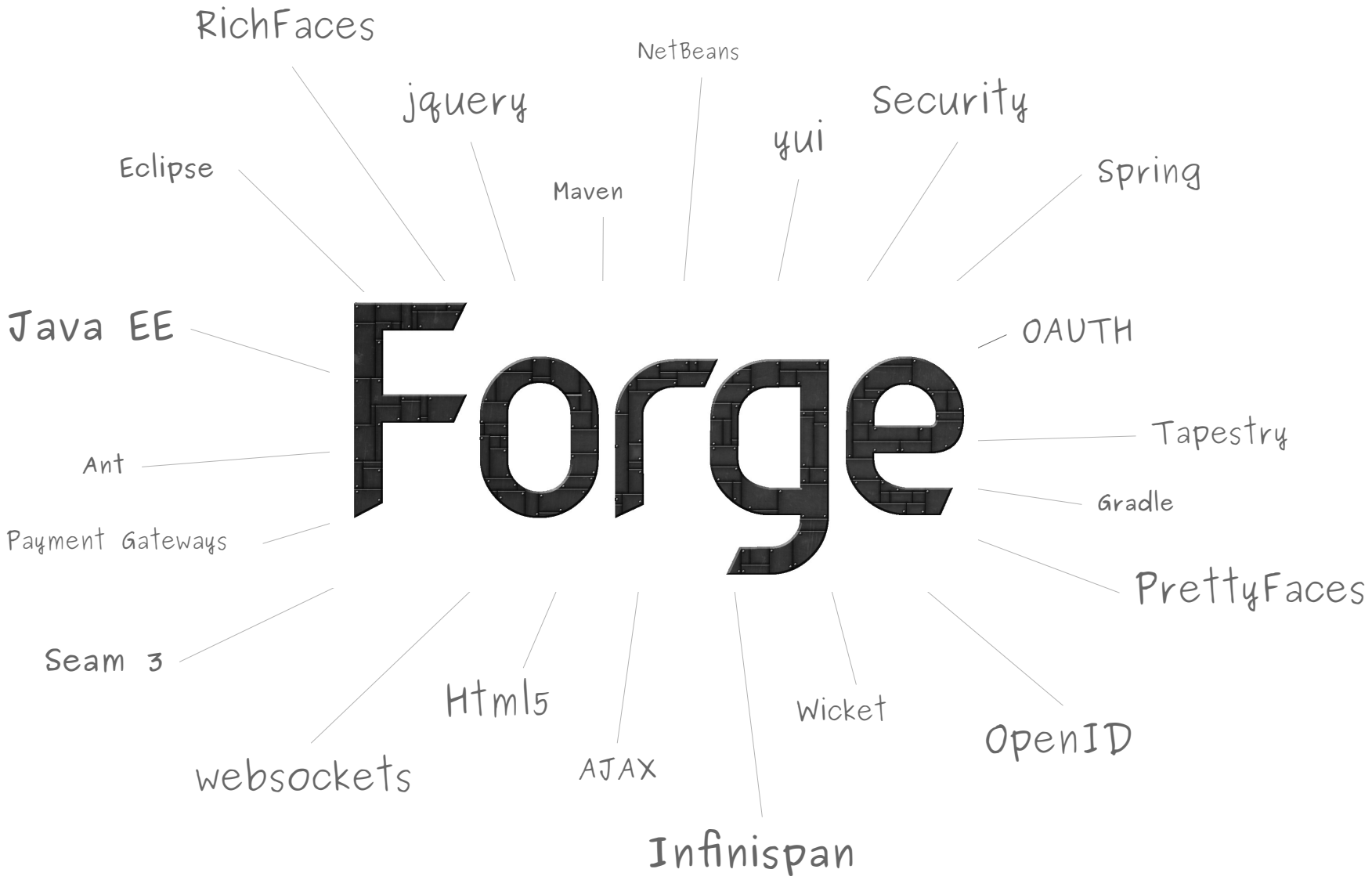
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demo.

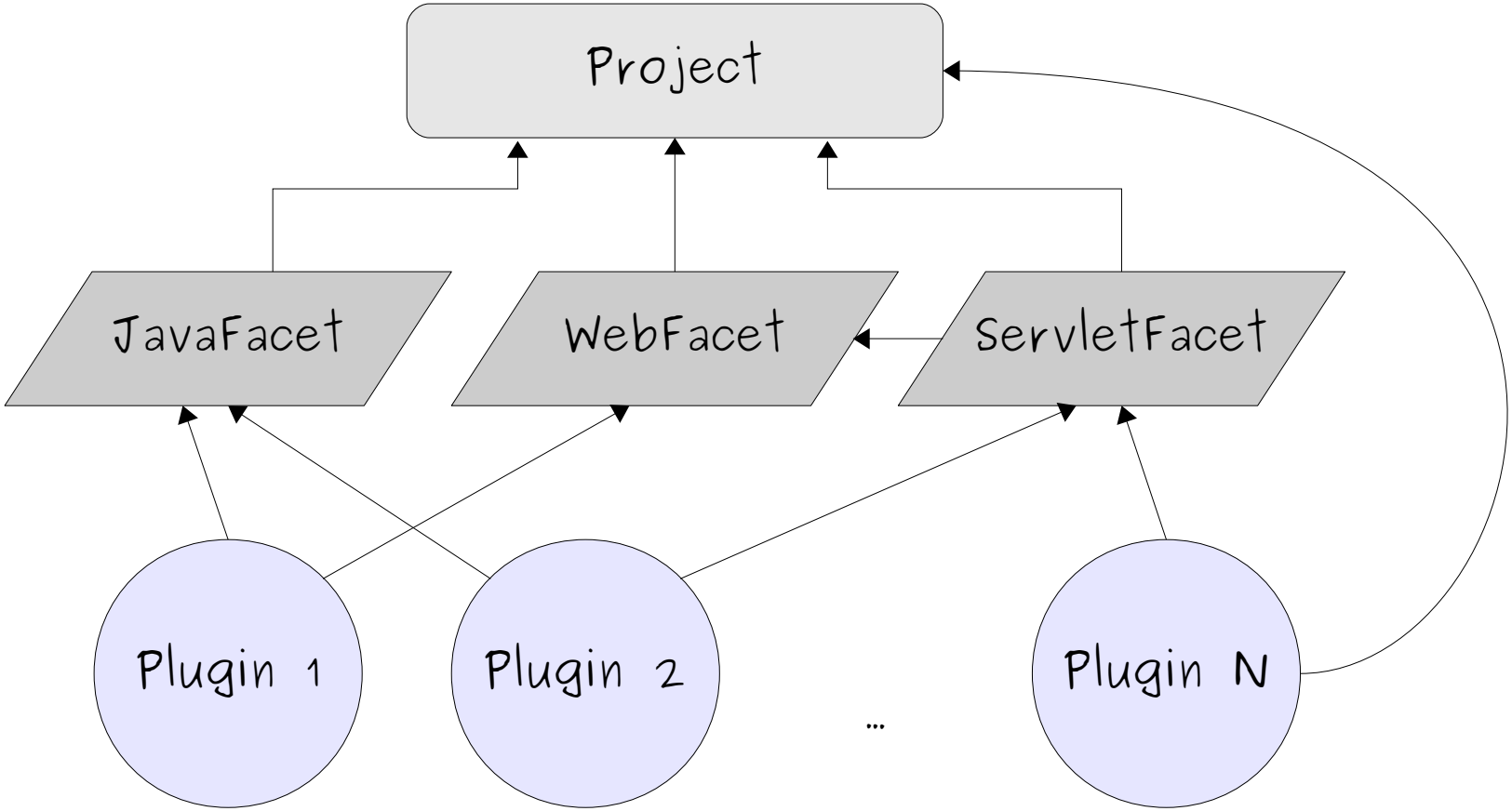
Forge ahead!

Forge ahead!

What just happened?

- We created a webapp, yay.
- Forge does not leave $#@! in your project
- We used PLUGINS!

PLUGINS!!



(yes, we actually did think about this)

demo.

The power of openness

The power of openness

- Forge is *easy* to extend
- Anyone can write and distribute plug-ins
- Anyone can contribute to modular development

+1 Plugins are cool!!

And can be loaded from:

- Maven
- Git Repo
- Local project sources
- Local JAR file
- Remote URL JAR file
- The Forge Search Index

The power of openness

By hosting plugins on Git:

- You establish trust via transparency
- You encourage collaboration!
- You can still be registered in the Forge Search Index!

Wrap-up and Q/A

Why another tool?

- Design for the situation: joining fragmented communities
- Open-source, standards oriented
- +5 Plugins still cool!!

Why a shell?

- GUIs are often cumbersome for simple tasks
- Empowers scripting and automation: repeatability/tests
- De-couple the tooling from the tools

Is this just a Maven wrapper?

- No…
- Maven is used for what it's good at, an excellent dependency management tool
- Forge's architecture is actually build-system agnostic

Why not use Maven archetypes?

- Difficult to make "choices"
- Archetype run = archetype done. Forge continues to enhance existing projects
- Much like UNIX-style applications, plug-ins decouple concerns

Forge helps us to:

- Reduce barrier to entry & repetitive tasks
- Smooth out configuration woes
- Integrate with existing tools / technologies

Wrap-up and Q/A

- Join us:

  http://bit.ly/seamforge

- Fork us on GitHub:

  http://github.com/forge

#seamforge #summitjbw

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