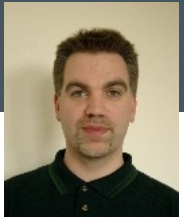


The Future of Apache Sling

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- Member of the ASF
 - Current PMC Chair of Apache Sling
 - Apache Sling, Felix, Portals, Incubator
- RnD Team at Adobe Research Switzerland
- Article/Book Author, Conference Speaker
- Technical Reviewer
- JSR 286 Spec Group (Portlet API 2.0)



1 It all began
with a
mouse...

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VISION

Once Upon a Time in Switzerland...in 2006

- The vision for Day's Communique 5
- New delivery framework
- Following REST
- Based on JCR
- Highly customizable
- Scriptable
- Modular

- Internal rendering framework
 - Leveraging OSGi
 - Tied to JCR
- Own component API
- Own request / response API
- Scriptable
- Nice try, but....

New Players entered the Game 2007

- Several redesigns and restructurings
- Fully leveraging OSGi
- Resource abstraction
 - JCR is the main, but one provider
- Extends servlet API

- The framework was offered to the Apache Software Foundation
- And entered the incubator as **Apache Sling**
- Other parts were contributed to Apache Felix
 - Configuration Admin
 - Declarative Services
 - Metatype
 - SCR Maven Plugin
 - Web Console

The Winner Takes IT All

- JAX Innovation Award 2008



Apache Sling – The Fun Is Back

- Web Framework
- Leveraging JCR
- ROA / REST
- Scripting Inside
- OSGi
- Graduated as a top level project on 2009-06-17

2 A New Hope

A New Hope

- Publish huge amount of information
 - Different types and output formats
 - Highly dynamic
- Web 2.0++ ready
 - Collaboration and integration
 - Use the hierarchical web space
- Fast changing requirements
 - Rapid prototyping and development
 - Dynamic, extensible but maintainable

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JCR



REST /
ROA



Scripting



OSGi

State of Play

- Apache Sling is used by several companies and projects
- 14 committers
- Active community
- Slowly growing
- Highly modular
- Frequent module releases

Apache Sling vs Apache Jackrabbit

- Apache Sling provides resource oriented architecture
- Apache Jackrabbit implements the JCR spec
- One can be used without the other
- But it's a natural fit!
 - Using them together provides lots of benefits!

- Today : success of Apache Sling depends mainly on adoption of JCR and Apache Jackrabbit
- Completely different approach
- No UI framework
- So are we done yet?

So Long, and
Thanks For All
the Fish



**3 For Your
Eyes Only**

Mostly Harmless

- Strong supporters behind Apache Sling
- Continued support and development
- The core is pretty (and) stable

We Are the Champions

- Driver for OSGi technology
 - Apache Felix, e.g DS, Config Admin, Event Admin, Metatype, Web Console
 - Apache Aries, Apache ACE
 - Tooling
 - Implementation of new specs...
 - OSGi Installer, Launchpad
 - Sling Commons

Sleeping Beauty

- Apache Sling = Bringing back the fun in web development!
 - Apache Sling is unique
- Improve documentation
- Improve marketing
- Target OSGi enterprise development
- Full development stack

New Gold Dream

- Tooling, tooling, tooling
- Improve resource explorer !!!!!
- Improve Maven tooling
 - Develop in your favorite IDE without roundtrips
- Integration with Apache ACE

- Make Sling completely independent from JCR
 - Authentication (done)
 - Resource Resolver Factory (tbd)
 - GET and POST servlet (nearly done)
- Goals
 - Make developers life easier
 - Simplify implementation
 - Marketing!
- It's not a campaign against JCR!
 - Sling will always include JCR!

- Support for other data storages
 - Apache Cassandra, MongoDB, CouchDB, Neo4j ???
- Goals
 - Attract developers already using those!
 - Benefit from the new power

- Apache Sling has a very powerful rendering and scripting engine!
- UI Support
 - Integration with existing web app frameworks
 - Wicket, JSF ?
 - Own widget library ?
 - Descriptive rendering?

- Apache Sling is unique
 - Spread the word
 - Attract new developers
 - Grow the community
 - Implement the missing features, tools etc.
 - Focus on developer experience

The End...

REALLY!