

adaptTo()

APACHE SLING & FRIENDS TECH MEETUP
BERLIN, 23-25 SEPTEMBER 2013

Sling IDE Tooling
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A little bit about myself

- Apache Sling committer
- Long-time Open Source developer (MantisBT , Eclipse Mylyn Connectors)
- Working on Adobe CQ



Robert Munteanu
@rombert



20 months ago I started working on the apache #sling stack. Fast forward today, hacking late at night, still learning, still amazed.

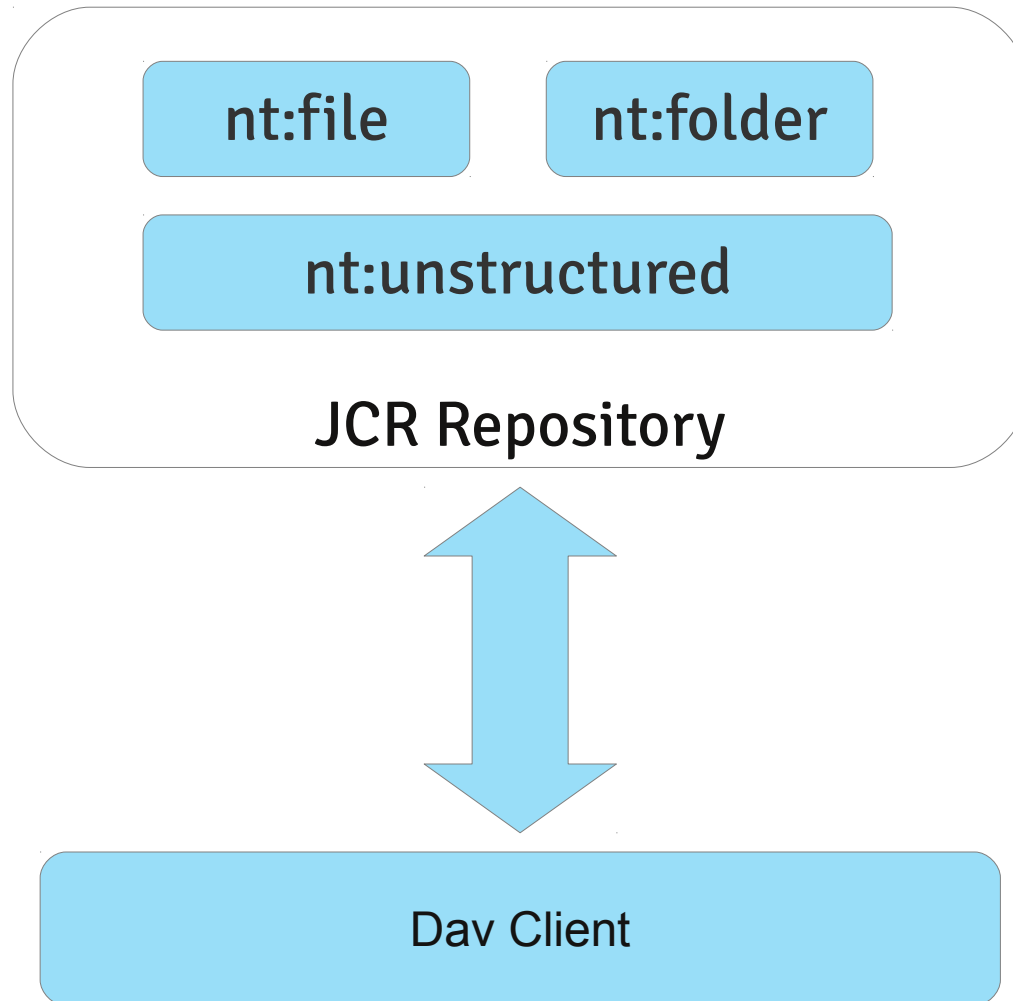
Agenda

- Why did we start working on IDE tooling?
- What have we done so far?
- What do we want to do next?
- How is the IDE tooling developed?

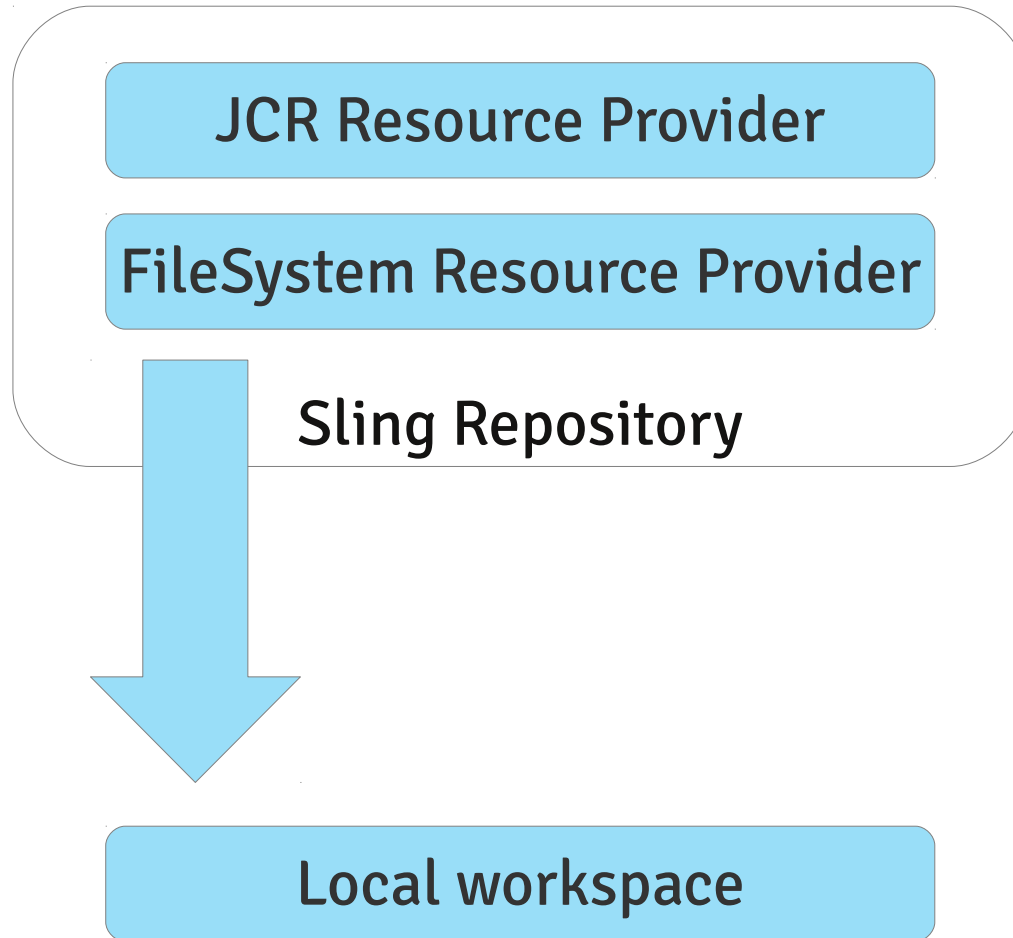
Why did we start work on IDE tooling?

```
[INFO] --- maven-sling-plugin:2.1.0:install (default-cli) @ ui ---  
[INFO] Installing Bundle ui(.../ui/target/ui-0.1-SNAPSHOT.jar) to  
http://localhost:8080/system/console via POST  
  
[INFO] Bundle installed  
  
[INFO]  
-----  
  
[INFO] Reactor Summary:  
[INFO] Sling Content Explorer - UI ..... SUCCESS [5.85s]  
  
[INFO]  
-----  
  
[INFO] BUILD SUCCESS  
  
[INFO]  
-----  
  
[INFO] Total time: 5.850s
```

Why did we start work on IDE tooling?



Why did we start work on IDE tooling?



Why did we start work on IDE tooling?

```
$ vlt --version
```

```
Jackrabbit FileVault [version 3.0.0-SNAPSHOT] Copyright 2013 by  
Apache Software Foundation. See LICENSE.txt for more information.
```

```
$ vlt up
```

```
Connecting via JCR remoting to http://localhost:8080/server
```

```
U var/sling/bundle-
```

```
content/org.apache.sling.launchpad.content/.content.xml
```

```
U var/sling/bundle-content/ui/.content.xml
```

```
U var/discovery/impl/clusterInstances/2fd93037-3e2c-48a3-a295-  
26fb5d3a999f/.content.xml
```

```
U apps/jcrtest/install/some.config.pid.xml
```

```
U libs/sling/servlet/default/authenticate.jsp
```

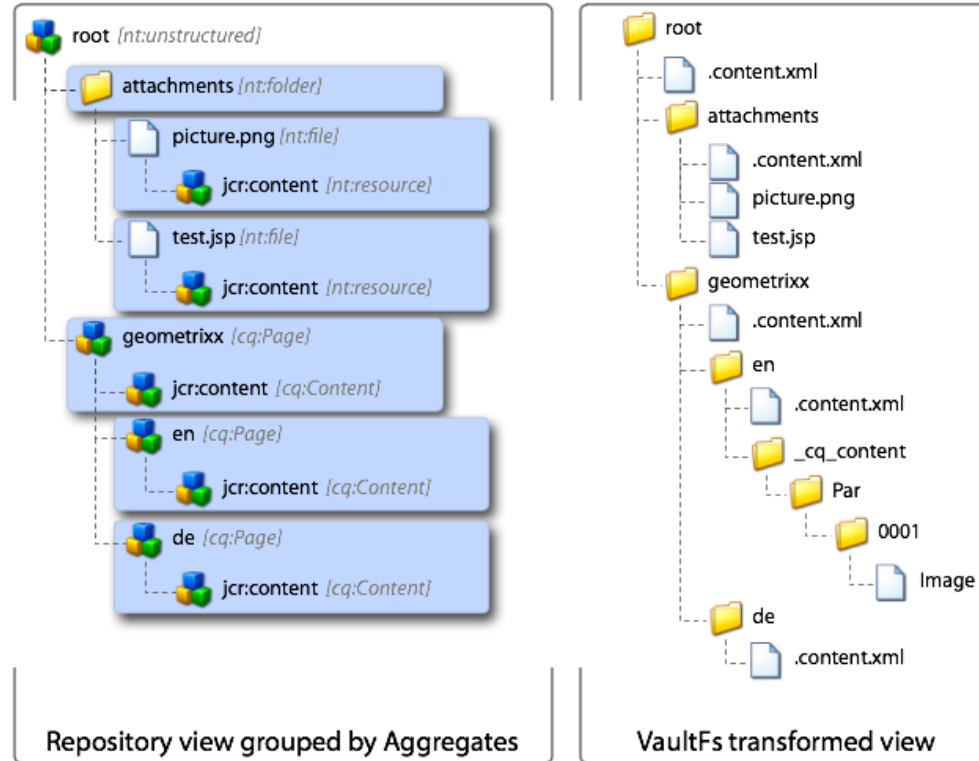
```
U libs/sling/servlet/default/edit-body.jsp
```

```
U libs/sling/servlet/default/properties-custom.jsp
```

Intermission – FileVault primer

```
<workspaceFilter version="1.0">  
  <filter root="/apps/slingDemo">  
    <exclude pattern="^.*\/form.*$" />  
  </filter>  
  <filter root="/content/slingDemo"/>  
</workspaceFilter>
```


Intermission – FileVault primer



Intermission – FileVault primer

```
<jcr:root
  jcr:primaryType="sling:Folder"
  jcr:mixinTypes="[vlt:FullCoverage]"
  jcr:title="My Sling Folder">
  <my-child-node
    jcr:primaryType="nt:unstructured"
    jcr:title="My child node..."
    tags="[to-review,to-dispatch]"
    visible="{Boolean>false"
    publishTime="{Date}2013-09-04T10:00:00.000+03:00"/>
</jcr:root>
```

What have we done so far?

- Oct 2012 – Slingclipse first announced by Antonio Sanso
- May 2013 – Plans set out for initial release for Sling IDE Tooling
- Aug 2013 – FileVault donated to ASF
- Sep 2013 – FileVault included in Sling IDE Tooling Preview

What have we done so far?

Demo time

- Server definition
- Content synchronization
- Bundle redeploy



What do we want to do next?

Sling IDE Tooling Roadmap

- Community involvement – users and contributors
- Stabilize and deliver Eclipse tooling 1.0
- Investigate tooling for other IDEs
- \$YOUR_FEATURE_HERE

How is the IDE tooling developed?

Transport

Filter

Serialize

APIs and
Core Utilities

FileVault

Resource

Content Sync

Core

UI

m2e-UI

Eclipse

- Sling IDE Tools preview update site –
<http://people.apache.org/~rombert/sling/ide/preview/>
<http://s.apache.org/sling-ide-preview>
- Sling IDE Tools codebase -
<http://svn.apache.org/repos/asf/sling/branches/tooling-ide-vlt/tooling/ide/>
(soon to move to trunk)

Q&A

Thank you

