

CMIS Implementations Show & Tell

26-jan-2009 / CMIS F2F - Redmond
David Nuescheler

Changing hats...



Introducing the Apache Software Foundation

- Non-Profit Organization
- Vendor neutral
- Open Community
- Apache License
- IP Clearance Process
- (Almost) every vendor is already licensing software from the ASF

Your Host: Jackrabbit PMC

- Jackrabbit is an Apache Project.
- CMIS Sandbox, Hosted in the Apache SVN by the Jackrabbit PMC
- +2000 Apache committers have commit access
- (Probably) all large CMIS TC Members are represented in current committer base.
- Everybody is invited to contribute and/or use

Goal: Re-usability for implementors and users

- No Strings attached ;)
- License & IP
- No proprietary Content Repository dependency
- No Framework dependency (servlet)
- Not even a JCR dependency ;)

CMIS Sandbox @ Jackrabbit

CMIS Sandbox

API

(java bindings)

Client

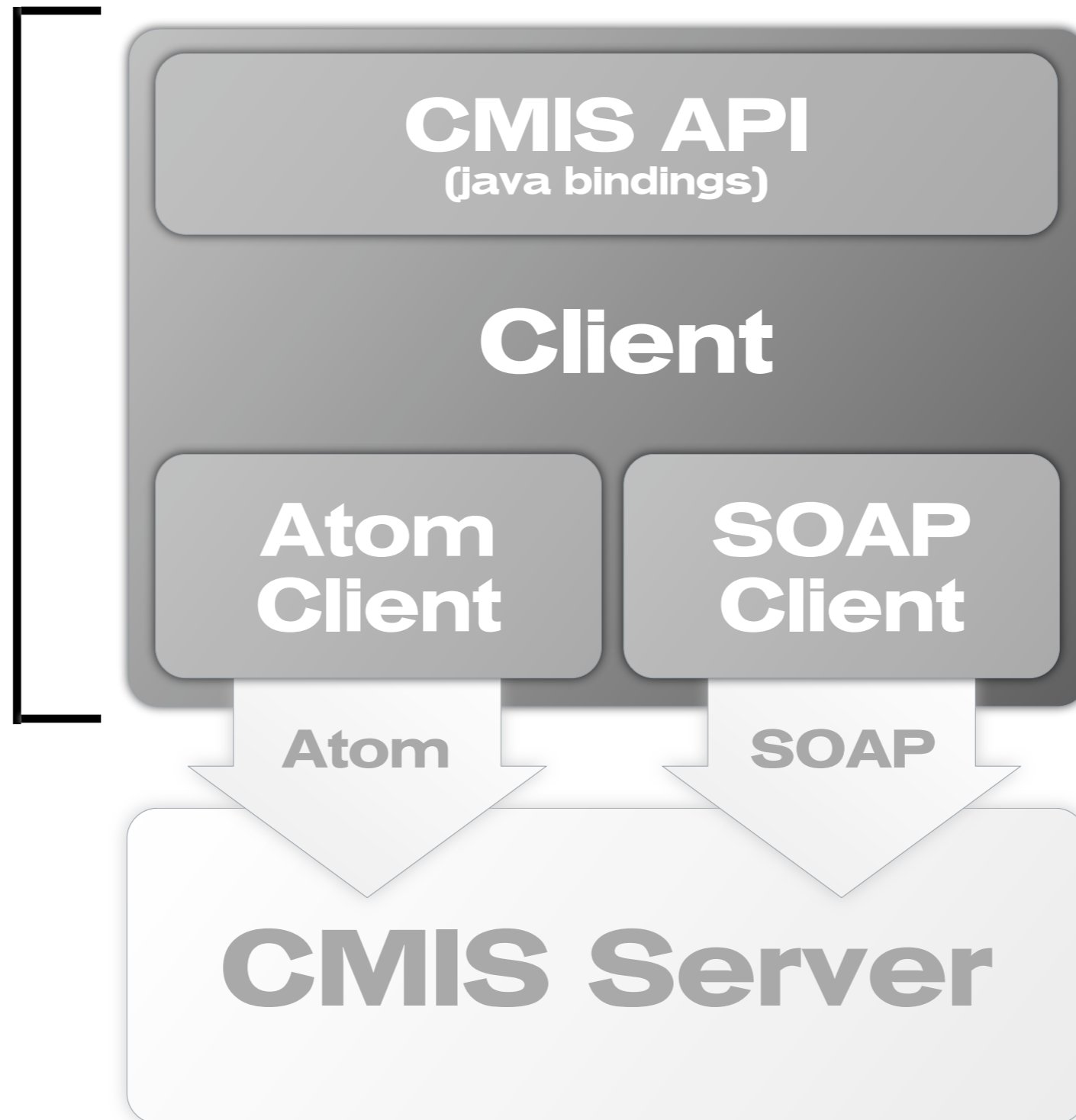
(exposing API)

Server

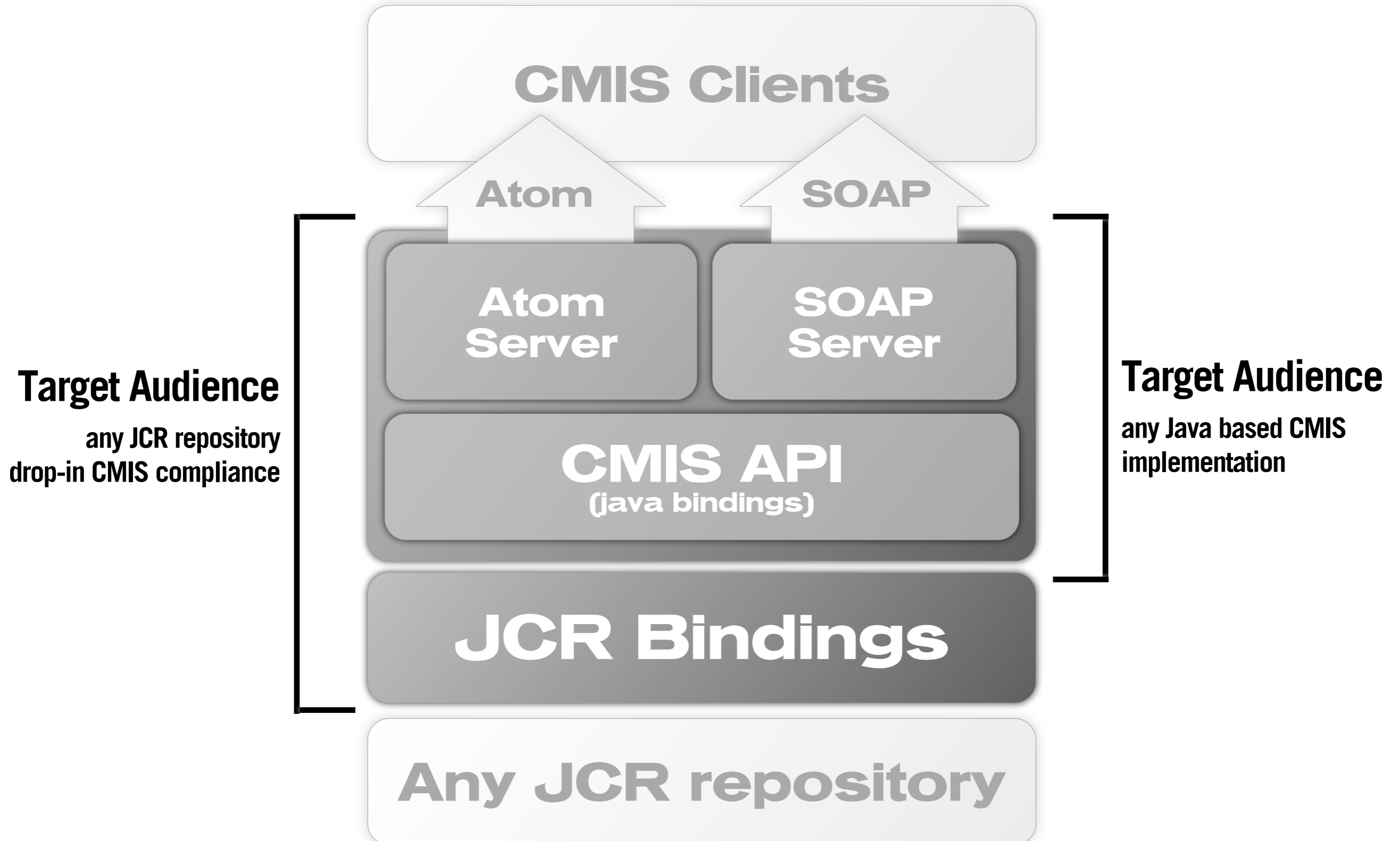
(exposing CMIS)

Client Architecture

Target Audience
any Java based
CMIS Application



Server Architecture



Show!

CMIS v0.5+ implementation
Content Management Interoperability Services (CMIS) draft implementation

Repository Services

- getRepositoryInfo
- getTypes
- getTypeDefinition

Navigation Services

- getDescendants
- getChildren

Multi-Filing Services

- addDocumentToFolder
- removeDocumentFromFolder

Discovery Services

- query

Versioning Services

- checkout
- cancelCheckout
- checkIn
- getPropertiesOfLatestVersion
- getAllVersions
- deleteAllVersions

Relationship Services

- getRelationships

CMIS v0.5+ implementation
Content Management Interoperability Services (CMIS) draft implementation

Repository Services: getRepositoryInfo

RepositoryId (optional)

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<service xmlns="http://www.day.com/cmis/schema/cmis" xmlns:cmis="http://www.day.com/cmis/schema/cmis" xmlns:crx="http://www.day.com/cmis/schema/crx" self="self">
  <cmis:repositoryInfo>
    <cmis:repositoryId>CRX</cmis:repositoryId>
    <cmis:repositoryName>CRX</cmis:repositoryName>
    <cmis:repositoryRelationship>self</cmis:repositoryRelationship>
    <cmis:repositoryDescription>CRX</cmis:repositoryDescription>
    <cmis:vendorName>Day Management AG</cmis:vendorName>
    <cmis:productName>CRX</cmis:productName>
    <cmis:productVersion>1.4.1.20081021</cmis:productVersion>
    <cmis:rootFolderId>crx:default</cmis:rootFolderId>
  </cmis:repositoryInfo>
  <cmis:capabilities>
    <cmis:capabilityMultifiling>true</cmis:capabilityMultifiling>
    <cmis:capabilityUnfiling>true</cmis:capabilityUnfiling>
    <cmis:capabilityVersionSpecificFiling>false</cmis:capabilityVersionSpecificFiling>
  </cmis:capabilities>
</service>
```

License | Powered by Apache Jackrabbit

CMIS v0.5+ implementation
Content Management Interoperability Services (CMIS) draft implementation

Navigation Services: getDescendants

Path

Subscribe to this feed using

Always use Use Bookmarks to subscribe to feeds.

Descendants for

Title for file
Summary for file

Title for jcr:system

Summary for jcr:system
Summary for jcr:system

Title for repositoryControl

Summary for repositoryControl
Summary for repositoryControl

Title for user

Summary for user
Summary for user

License | Powered by Apache Jackrabbit

CMIS v0.5+ implementation
Content Management Interoperability Services (CMIS) draft implementation

Relationship Services: getRelationships

RelationshipId

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<service xmlns="http://www.day.com/cmis/schema/cmis" xmlns:cmis="http://www.day.com/cmis/schema/cmis" xmlns:crx="http://www.day.com/cmis/schema/crx" self="self">
  <cmis:relationshipInfo>
    <cmis:relationshipId>CRX</cmis:relationshipId>
    <cmis:relationshipName>CRX</cmis:relationshipName>
    <cmis:relationshipDescription>CRX</cmis:relationshipDescription>
    <cmis:relationshipType>self</cmis:relationshipType>
  </cmis:relationshipInfo>
  <cmis:capabilities>
    <cmis:capabilityMultifiling>true</cmis:capabilityMultifiling>
    <cmis:capabilityUnfiling>true</cmis:capabilityUnfiling>
    <cmis:capabilityVersionSpecificFiling>false</cmis:capabilityVersionSpecificFiling>
  </cmis:capabilities>
</service>
```

License | Powered by Apache Jackrabbit

CMIS v0.5+ implementation
Content Management Interoperability Services (CMIS) draft implementation

Discovery Services: query

Query

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<service xmlns="http://www.day.com/cmis/schema/cmis" xmlns:cmis="http://www.day.com/cmis/schema/cmis" xmlns:crx="http://www.day.com/cmis/schema/crx" self="self">
  <cmis:queryResult>
    <cmis:queryId>CRX</cmis:queryId>
    <cmis:queryName>CRX</cmis:queryName>
    <cmis:queryDescription>CRX</cmis:queryDescription>
    <cmis:queryType>self</cmis:queryType>
  </cmis:queryResult>
  <cmis:capabilities>
    <cmis:capabilityMultifiling>true</cmis:capabilityMultifiling>
    <cmis:capabilityUnfiling>true</cmis:capabilityUnfiling>
    <cmis:capabilityVersionSpecificFiling>false</cmis:capabilityVersionSpecificFiling>
  </cmis:capabilities>
</service>
```

License | Powered by Apache Jackrabbit

More...

- **Get involved:**
dev@jackrabbit.apache.org
- **Source:**
<http://svn.apache.org/repos/asf/jackrabbit/sandbox/jcr-cmis/>
- **CMIS Sandbox information**
<http://wiki.apache.org/jackrabbit/SandboxCMIS>