## **JcrIntegrationApproach**

Options:

## **Use JCR Directly**

Client code example:

```
Node node = (Node) session.getItem("/foo/bar");
Node content = node.getNode("jcr:content");
long lastModified = content.getProperty("jcr:lastModified").getLong()
```

- Advantages
  - No Java API definition necessary (content model is API)
  - $^{\circ}~$  All JCR features can be used
- Disadvantages
  - Verbose
  - No Lenya-specific code completion

## **Lenya Publication API**

Client code example:

```
Document doc = session.getDocument("/foo/bar");
long lastModified = doc.getLastModified();
```

- · Open issues
  - Object-JCR mapping?
- Advantages
  - Minimal amount of client code (not verbose)
- Disadvantages
  - o With a layered approach (hiding all layers below the publication API), only the repository features exposed by the API can be used

## Via Sling

- Open issues
  - Status of OSGi-fication of Cocoon
- Advantages
  - Out-of-the-box features
    - REST access for CRUD
    - DOJO store from repository content
    - Community
    - o Tools