

Apache Sling
As Foundation of a Records Management
Framework

(or why it is *really* a generic content framework)

About this Node

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Intro to RM

- Records management is the practice of maintaining the records of an organization from the time they are created up to their eventual disposal. This may include classifying, storing, securing, and destruction (or in some cases, archival preservation) of records.

Standards...



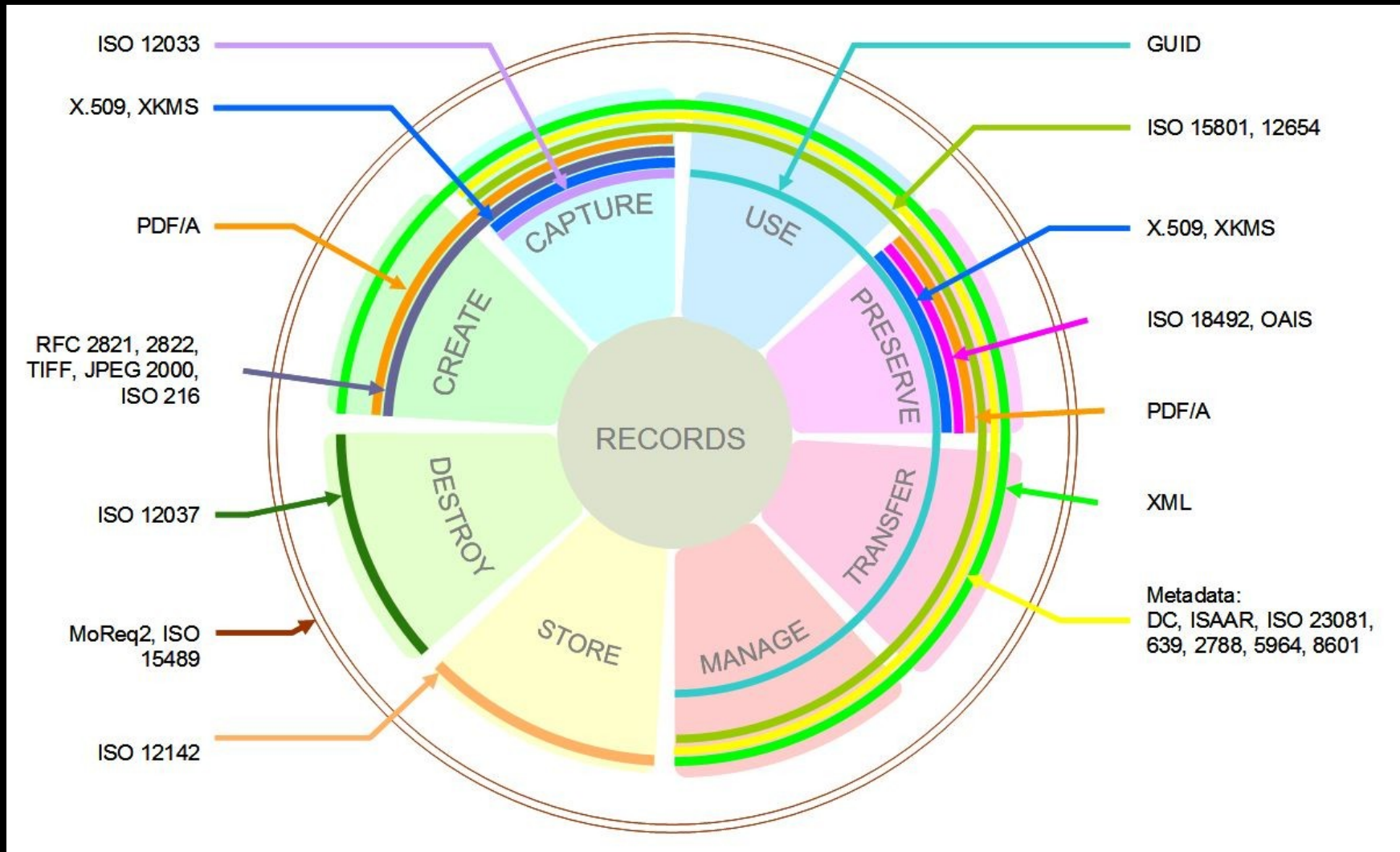
170
283
333?



HTTP
REST



Records Management Standards



Use Cases

- Capture -> workflow
- Classify
- SearchForDoc
- GetDoc / produce ->pdf/a
- Hold
- Disposal

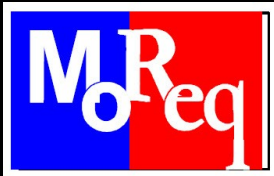
RM Standards (2)



15489



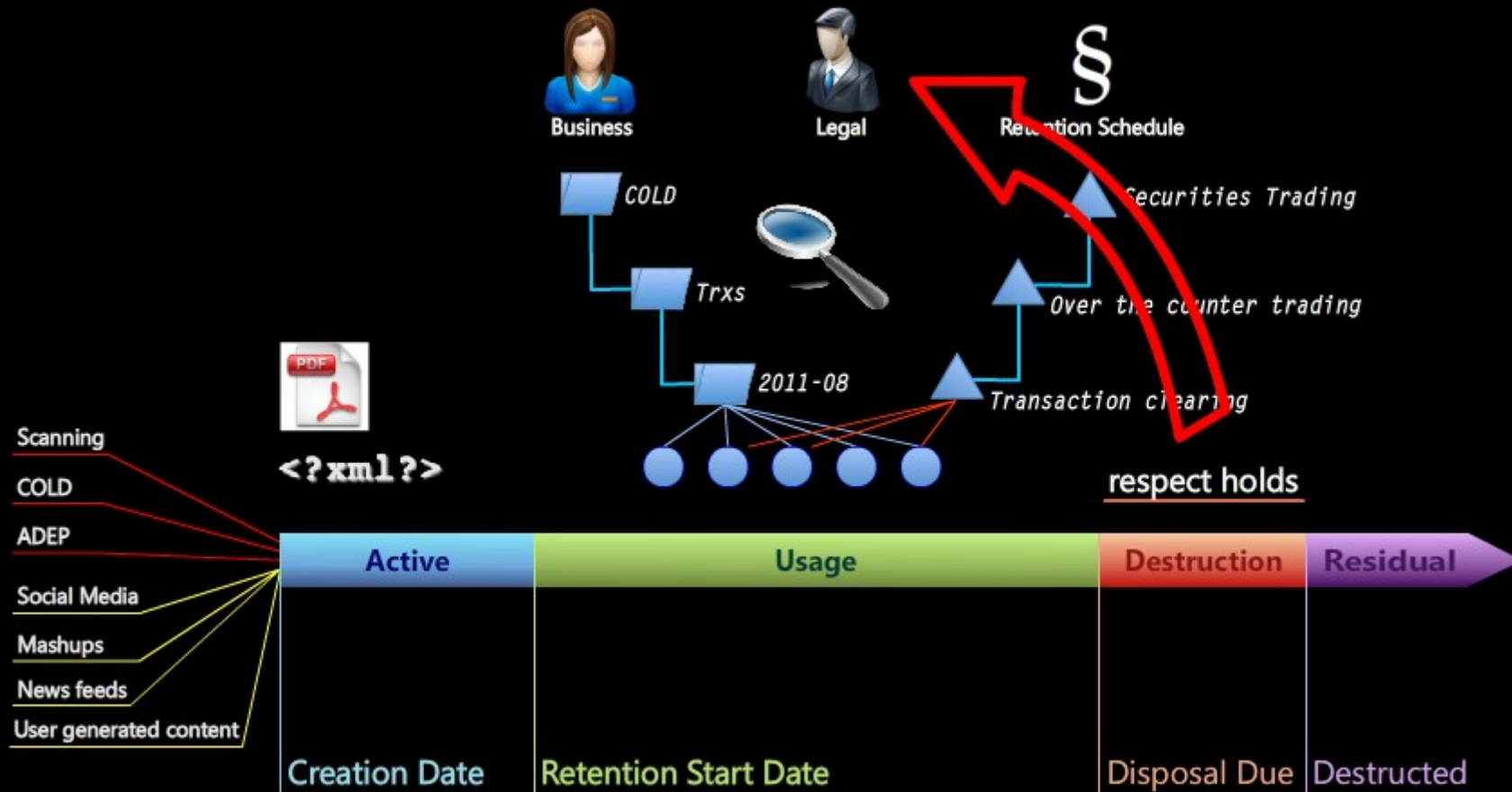
DoD 5015-2



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- Functional Services
 - User and Group
 - Classification
 - Metadata
 - Disposal Scheduling
 - Disposal Holding
 - Searching & Reporting
 - Export

Record Lifecycle Overview

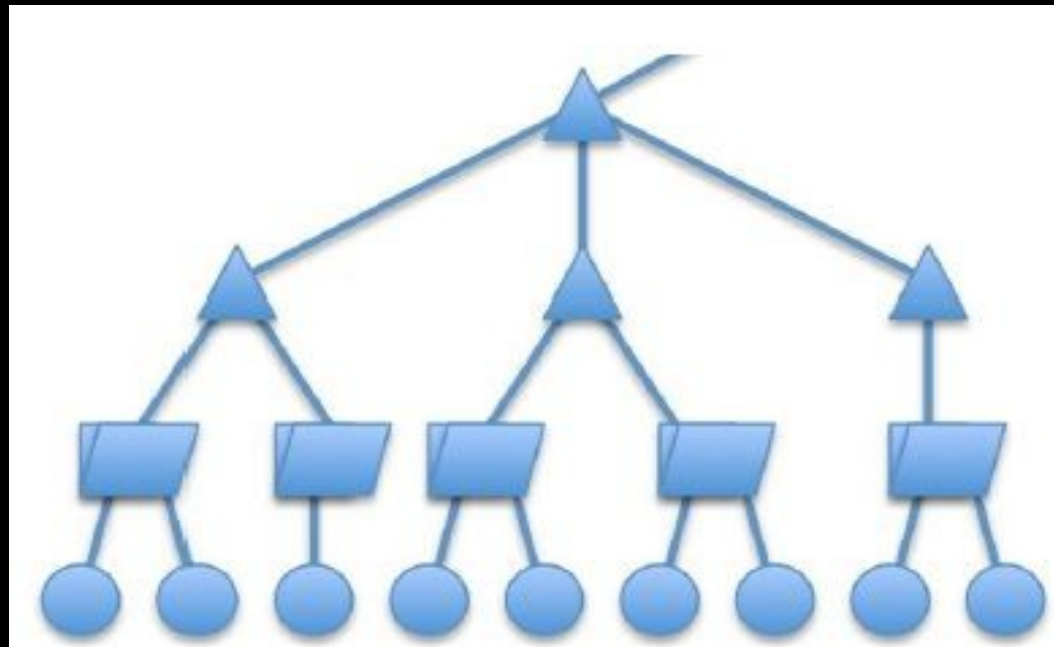


The Class Decision

- 1) NodeType

The Class Decision

2) Single Path



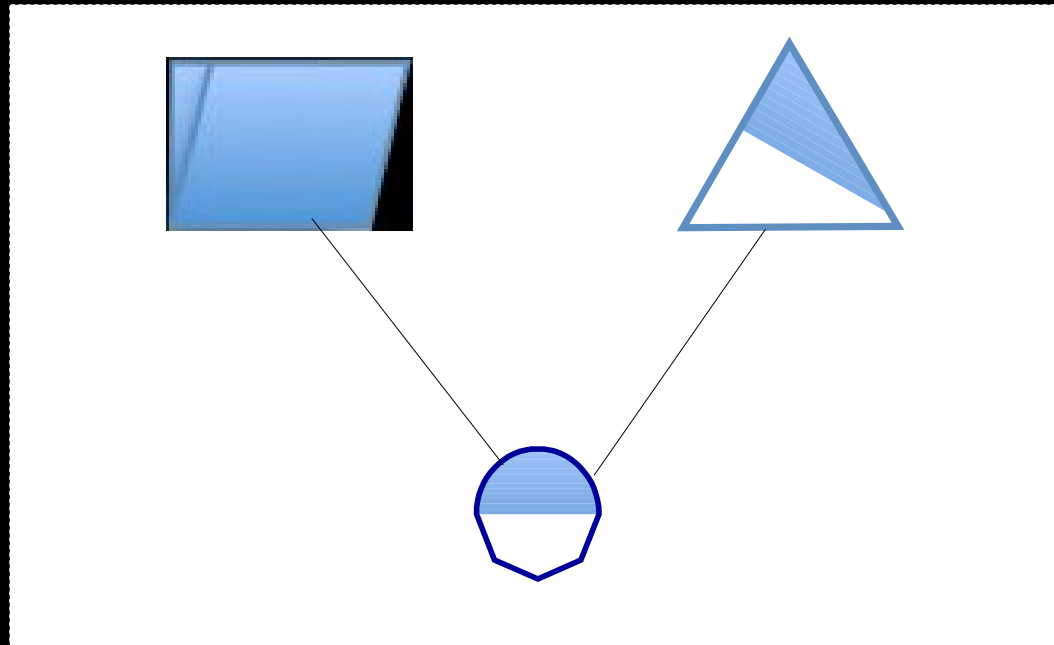
Triangle: record class (determining retention period)

Folders: business folders (comparable to file system directories)

Circles: records

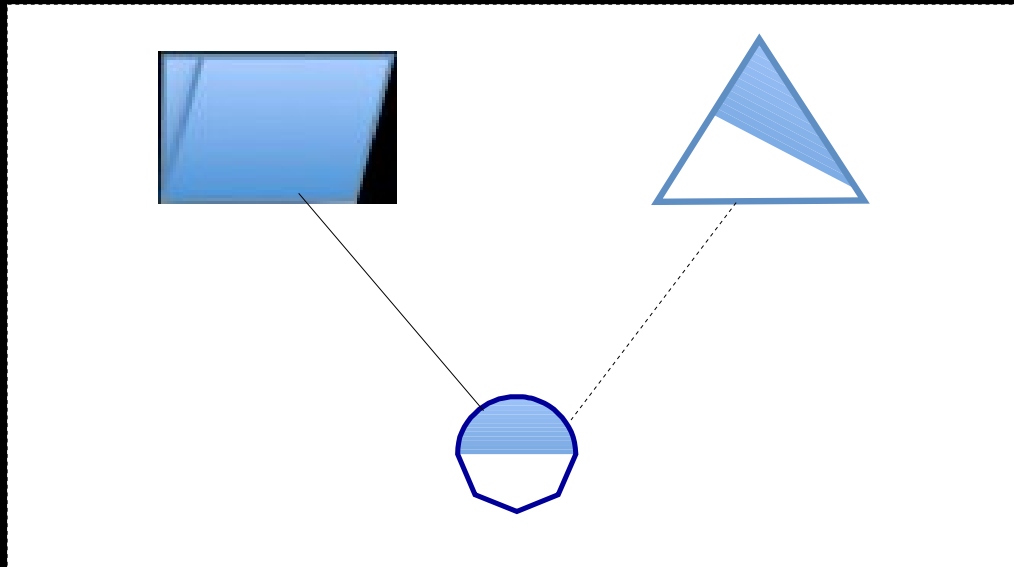
The Class Decision

- 3) Shareable Nodeset



The Class Decision

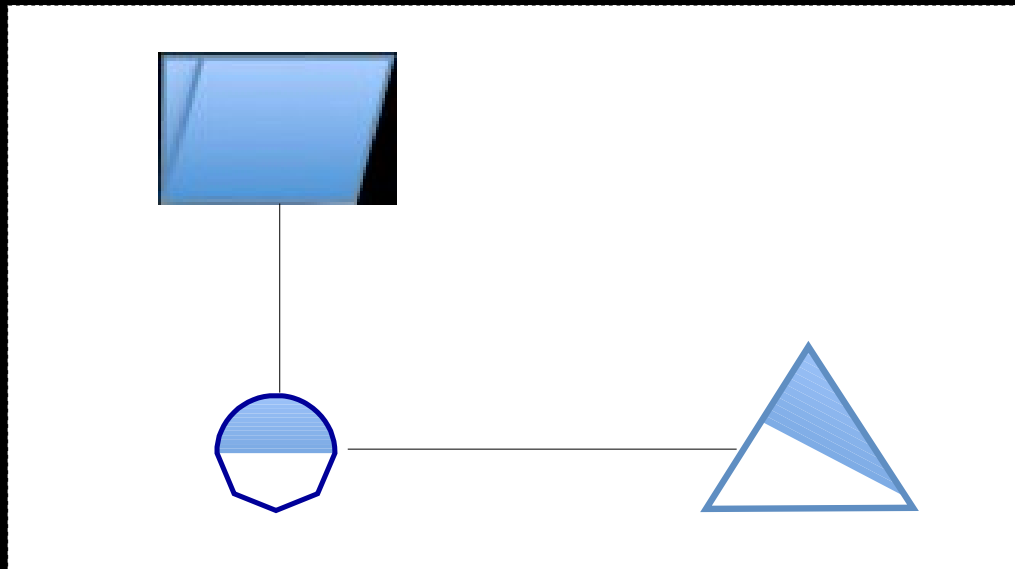
- 3) Reference



Quantity problem from class to record, maybe BtreeManager is solution.

The Class Decision

- Mixin



Hold/Retention Support in JCR-283

20 RETENTION AND HOLD

20.1 Retention Manager

20.2 Placing a Hold

20.3 Effect of a Hold

20.4 Getting the Holds present on a Node

20.5 Removing a Hold

20.6 Hold Object

20.7 Setting a Retention Policy

20.8 Getting a Retention Policy

20.9 Effect of a Retention Policy

20.10 RetentionPolicy object

20.11 Removing a Retention Policy

Some Storage Options

- File size limit on DataStore

```
<DataStore  
class="org.apache.jackrabbit.core.data.FileDataStore">  
  <param name="minRecordLength" value="4096"/>  
</DataStore>
```

- Information Lifecycle
 - Will rely on Hierarchical Storage Manager (HSM)

So, birth is nice, but...

