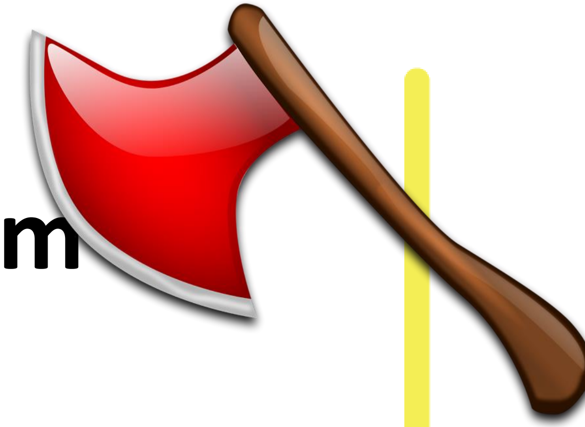
BeeCon 2016

Alfresco 5.1: separating Platform and Share



Samuel Langlois
Build engineer at Alfresco

Splitting Platform and Share

- Why?
- What?
- How?
- What now?

Why?

- Separate release lifecycles
  - More frequent releases of Share
  - Smaller, more incremental releases
  - Upgrade Share and Platform separately

(Many customers don’t use Share anyway…)

Why?

- Two smaller, more manageable code bases
  - Clearer code ownership
  - Smaller backlog
  - More agile!

What?

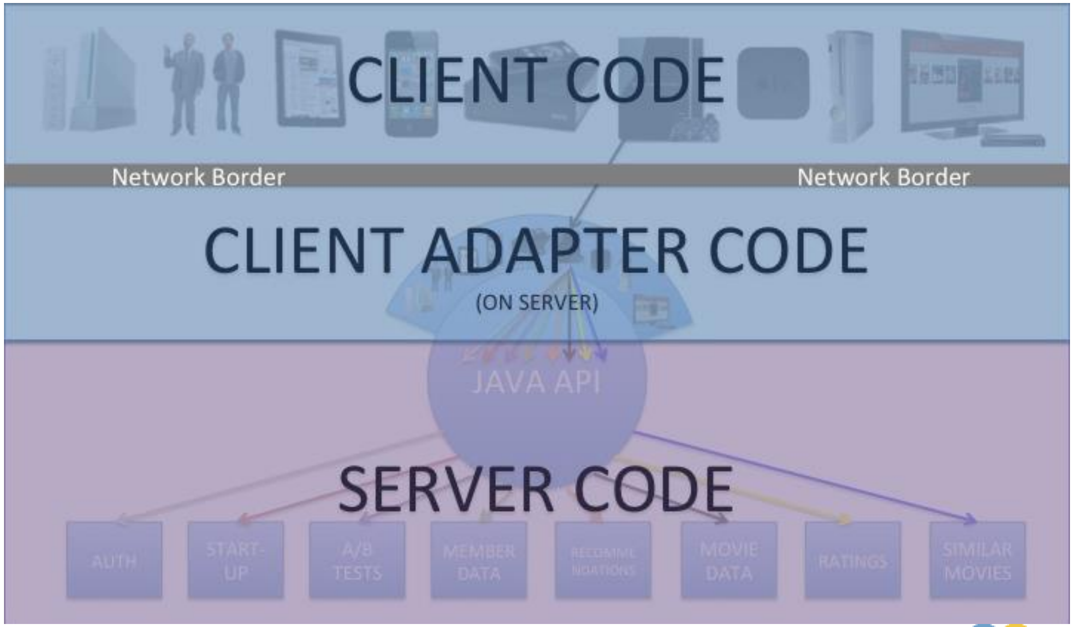
- Where to chop?
  - Each jar/artifact:
    alfresco-core.jar | alfresco-data-model.jar | etc…
    ⇒ a bit too many!
  - Each war:
    alfresco.war | share.war
    ⇒ can’t update Share APIs

What?

- Where to chop?
  - The « Netflix » model

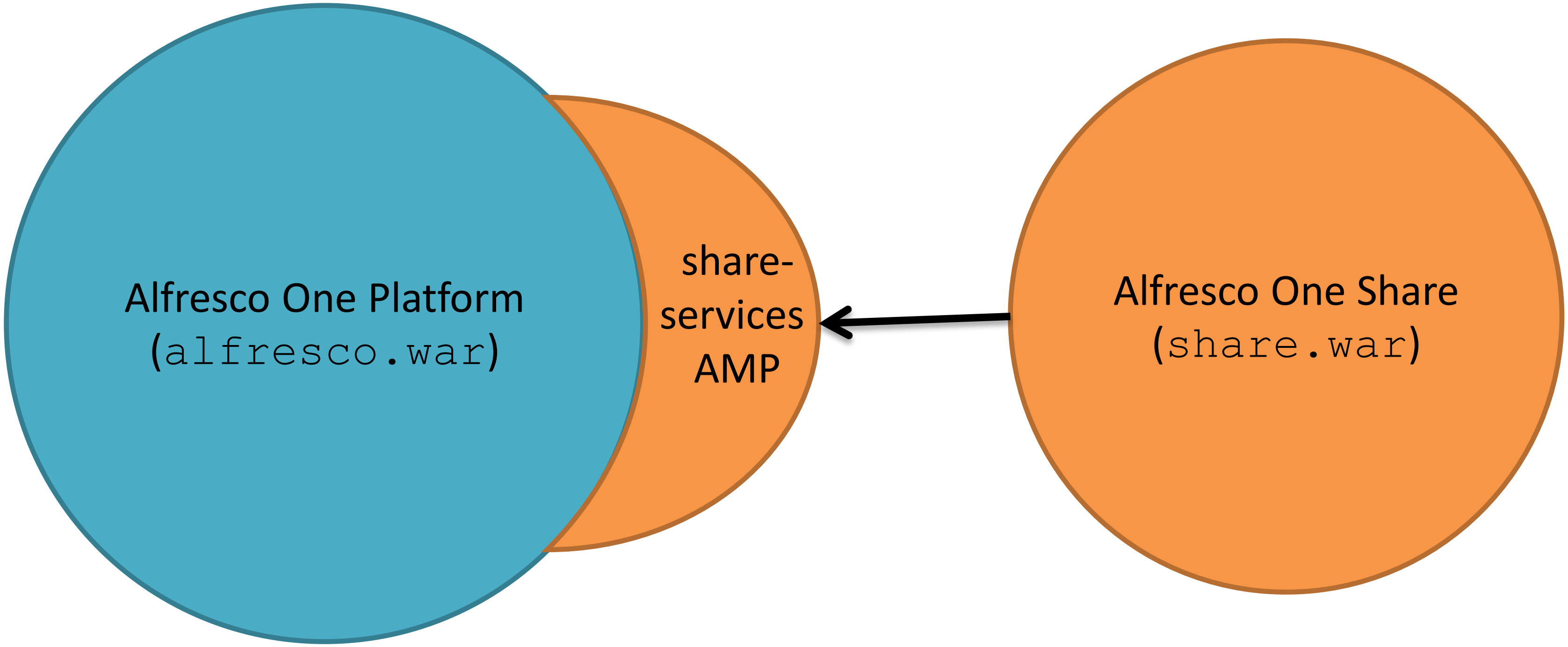
Client side

Server side



What?

- The **`share-services`** AMP



What?

- "Full packaging" still needed
- ***Alfresco One*** aggregates:
  - Alfresco One Platform 5.1
  - Alfresco One Share 5.1
  - GoogleDocs integration 3.0.3
  - Alfresco Office Services module 1.1
  - …
- How do we call it?
  - 201601(-EA|-LA)

What?

Alfresco One 201603

- Installers (Win, OSX, Linux)
- Distribution zip
- EAR

Alfresco One Platform 5.1

- Installers (Win, OSX, Linux)
- Distribution zip
- Solr
- EAR
- File Transfer Receiver

Alfresco One Share 5.1

- Installers (Win, OSX, Linux)
- Distribution zip
- Web Quick Start / Web Editor

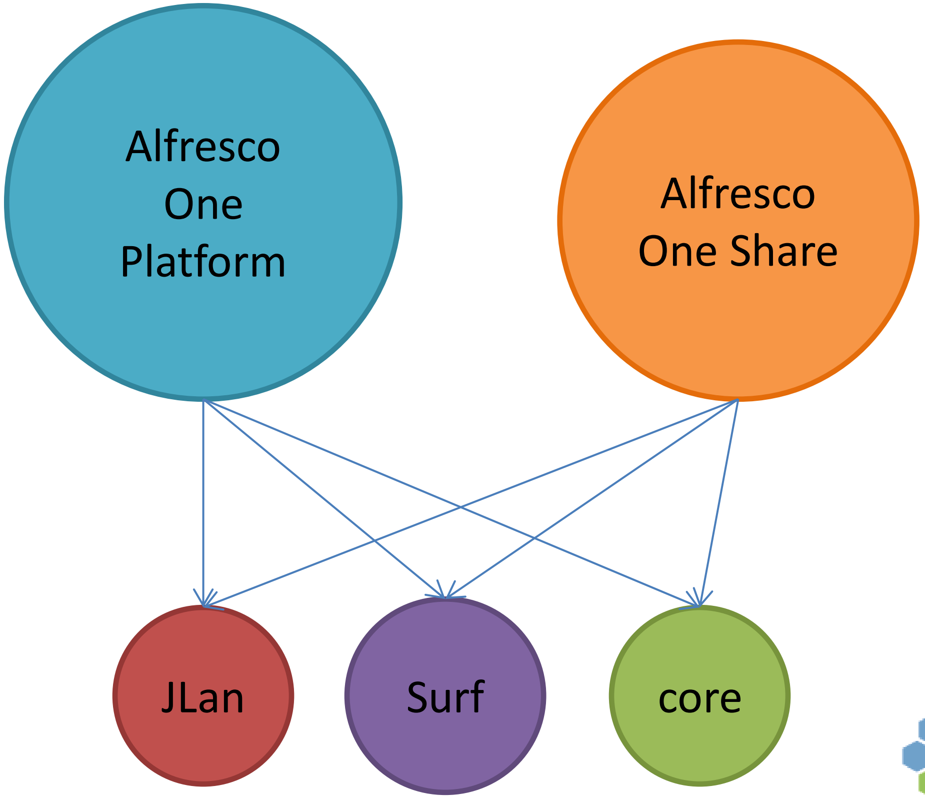
What?

- What about Community Edition?
- "Full packaging" only, because
  - No cluster: most installations are single-node
  - Little need for separate release lifecycle
  - No hotfix releases
  - Used for evaluations -> KISS!

How?

- Needed to separate common components
  - alfresco-core (should really be called Common…)
  - JLan
  - surf-webscripts
  - Surf
- These are now released separately

How?



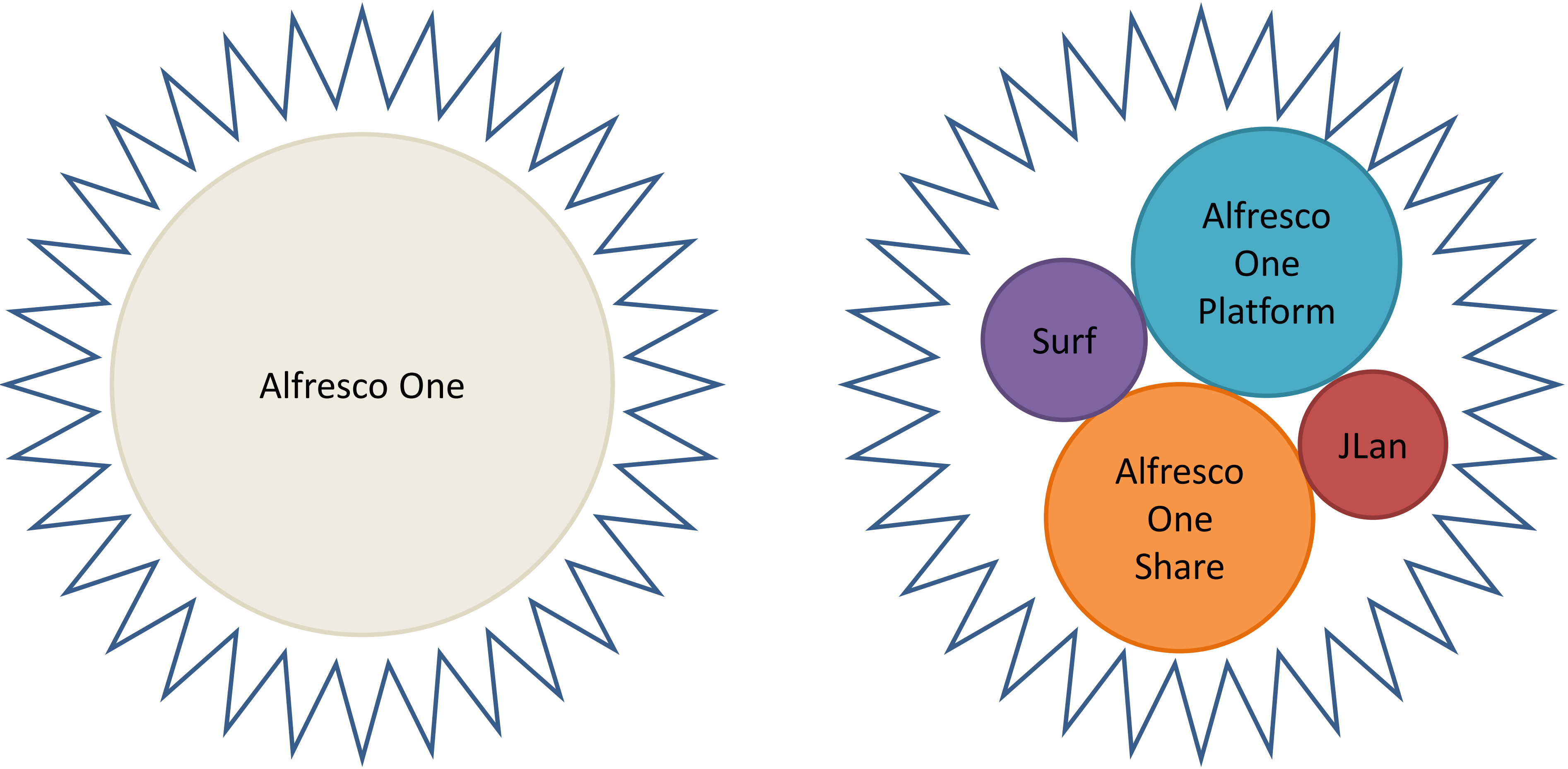
How?

- Needed to cut a few cyclic dependencies
- Moved Share, Surf, etc. in different codebases
  - Same Subversion server, for maintenance reason
- Maven FTW!

What now?

- Technical side done
- We didn’t go as far as we wanted
  - 5.1.X Service packs/hotfixes still provided as one packaging
  - Compatibility between Share 5.1.X and Platform 5.1.Y?
- Need
  - More tests for independent modules
  - Reliance on public API exclusively

What now?



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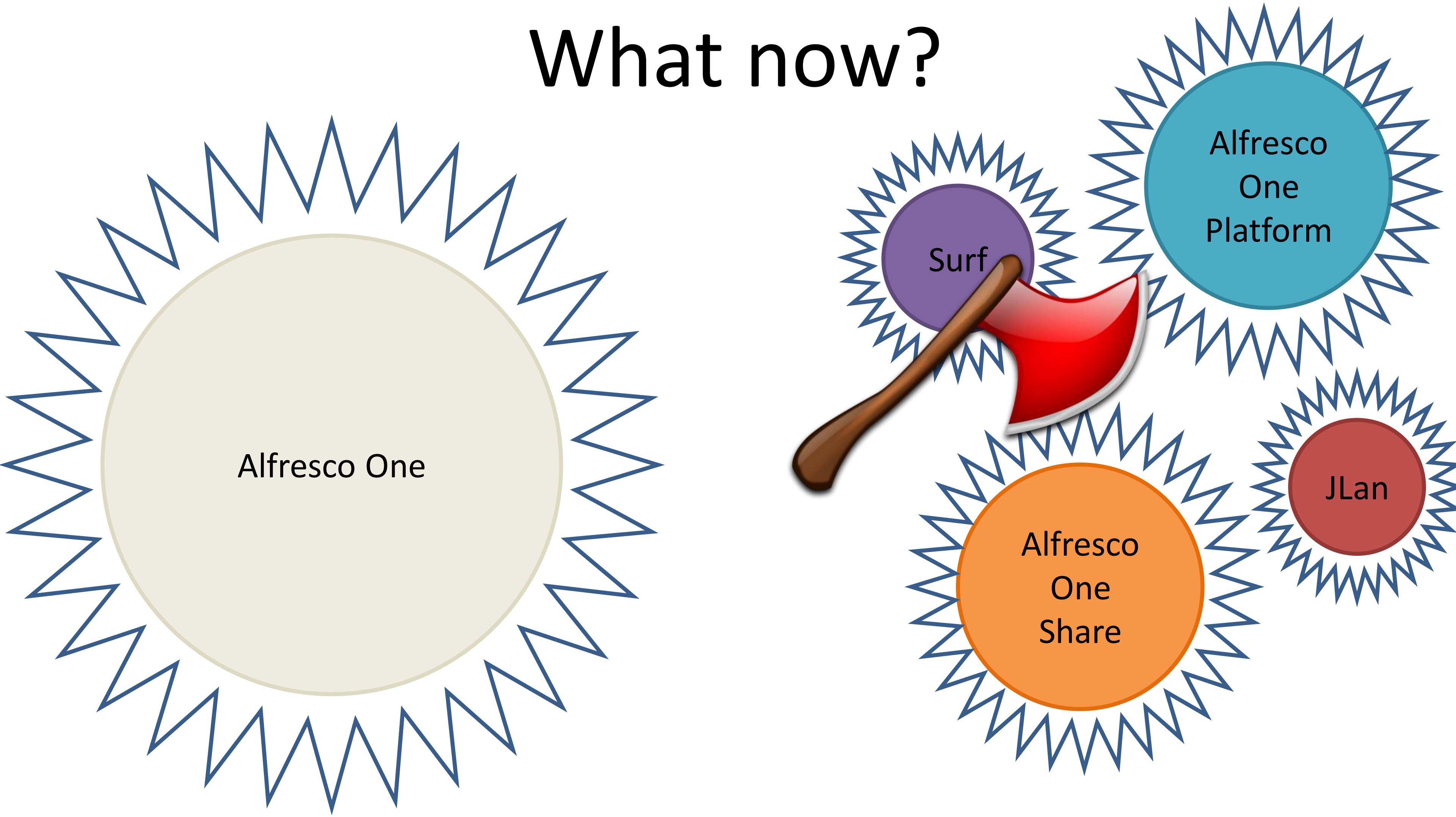
What now?


Alfresco One
Surf
Alfresco One Platform
Alfresco One Share
JLan

What now?

- More separations considered
  - Search?
  - REST APIs?
  - …

- Moving to Git?