Deploying Containerized Open-Source CSP platforms

ALFRESCO AND NUXEO IN ACTION!

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AGENDA

- From ECM to CSP
- Alfresco
- Nuxeo
- Hyland
Content services platforms (CSPs) are integrated platforms that provide content-focused services, repositories, APIs, solutions and business processing tools to support digital business and transformation.

Gartner, 2017
Forrester coined the term **Low-code** to classify development platforms that focused on *development simplicity* and ease of use. These platforms allowed developers and users of all skill levels to code applications, without having the outright need to know coding.

*Forrester, 2014*
FROM ECM TO CSP

**SDK**
- Trained Devs
  - Native Programming Language
  - Backend & UI
  - Packaging & Deployment

**API**
- Devs
  - REST API
  - Async Messages & Events
  - Interoperability (BYOT)

**Low Code**
- Admin / DevOps
  - Configurability
  - Data Model
  - Business Rules & Automation

**No Code**
- Citizen Devs
  - Dashboards
  - Custom UIs
  - Custom Flows
Open-Source license LGPL3

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Open-Source resources

- Source code: https://github.com/alfresco
- Maven Repository: https://nexus.alfresco.com/nexus
- Forums & Blog Posts: https://hub.alfresco.com
- Official Documentation: https://docs.alfresco.com
- Community Support: Alfresco Discord Channel (via invitation)
**Docker Compose deployment**

- [https://github.com/alfresco/alfresco-docker-installer](https://github.com/alfresco/alfresco-docker-installer)
- Default credentials `admin / admin`
- **Open-Source license** **Apache 2.0**
  - You can do what you like with the software, if you include the required notices. This permissive license contains a patent license from the contributors of the code.

- **Open-Source resources**
  - Source Code  [https://github.com/nuxeo](https://github.com/nuxeo)
  - Maven Repository  [https://maven-eu.nuxeo.org/nexus](https://maven-eu.nuxeo.org/nexus)
  - Forums  [https://answers.nuxeo.com/general](https://answers.nuxeo.com/general)
  - Official documentation  [https://doc.nuxeo.com](https://doc.nuxeo.com)
Docker Compose deployment alternatives

- [https://github.com/bdelbosc/nuxeo-stacks](https://github.com/bdelbosc/nuxeo-stacks)
  - Requires Online Registration to get evaluation license file instance.clid
  - [https://connect.nuxeo.com/register/](https://connect.nuxeo.com/register/)

- Build your own Nuxeo Docker Image
  - [https://github.com/nuxeo/docker-nuxeo](https://github.com/nuxeo/docker-nuxeo)

- Use the public Nuxeo Docker Image
  - Default credentials Administrator / Administrator

```
version: '3.9'
services:
  nuxeo:
    image: nuxeo:latest
    hostname: localhost
    ports:
      - "8080:8080"
    environment:
      - NUXEO_DEV=true
      - NUXEO_PACKAGES=nuxeo-web-ui
```
DEMO TIME!
**NUXEO**

**SDKs**
- nuxeo-java-client
  [https://github.com/nuxeo/nuxeo-java-client](https://github.com/nuxeo/nuxeo-java-client)
- Nuxeo Studio
  [https://doc.nuxeo.com/studio/](https://doc.nuxeo.com/studio/)
- nuxeo-elements (Web Components)
  [https://github.com/nuxeo/nuxeo-elements](https://github.com/nuxeo/nuxeo-elements)
- CMIS Client (Apache Client)
  [https://chemistry.apache.org](https://chemistry.apache.org)

* Requires registration

**Nuxeo Studio**

**CMIS Client**

** Apache Chemistry **

**kafka-client**

**polymer**

**JavaScript**

**Python**

**.NET**

**PHP**

**nuxeo-java-client**

**REST**

**REPOSITORY**

**Event**

**CMIS**

**Nuxeo Studio**
HxP is the new Hyland Experience Platform (still in development)

- This platform will be a new Hyland Open Source CSP with a Cloud Native design
- No fixed deadlines yet, but we’re expecting to release HxP in 2023

In the meantime,…

- Merging Alfresco, Nuxeo and Hyland Communities
- Merging Alfresco, Nuxeo and Hyland Marketplaces
- Engaging Open Source around Hyland products