

Hyland™

Alfresco Tech Talk Live #147

May 17, 2023

Agenda



- Community news
- Alfresco Content Services 7.4 - Release Overview

Community News

New projects available on GitHub

aborroy/**alfresco-go-cli**



A Command Line Interface for ACS implemented in GO.

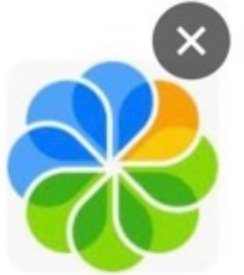
1 Contributor 0 Issues 3 Stars 0 Forks



GitHub - aborroy/alfresco-go-cli: A Command Line Interface for ACS implemented in GO.

github.com • Lecture de 1 min

AlfrescoLabs/**alfresco-discord-bot**



Discord Bot for ACS ↔ Discord Integration

2 Contributors 0 Issues 0 Stars 0 Forks



GitHub - AlfrescoLabs/alfresco-discord-bot: Discord Bot for ACS ↔ Discord Integration

github.com • Lecture de 1 min

Alfresco 7.4 is available today

Alfresco/**acs-community-packaging**

Packaging of Docker containers, war file and zip for Alfresco Content Services (Community)

86 Contributors 12 Issues 51 Stars 52 Forks

Release 7.4.0.1 · Alfresco/acs-community-packaging
github.com · Lecture de 1 min



Read more on Alfresco Hub

Ressources

New projects on GitHub

- <https://github.com/AlfrescoLabs/alfresco-discord-bot>
- <https://github.com/aborroy/alfresco-go-cli>

Alfresco 7.4

- <https://hub.alfresco.com/t5/alfresco-content-services-blog/alfresco-community-edition-7-4-release-notes/ba-p/316162/jump-to/first-unread-message>
- <https://github.com/Alfresco/acs-community-packaging/releases/tag/7.4.0.1>

Emoji "party popper - 1F389" from Mozilla "fxemoji" collection, license Apache v2

- <https://github.com/mozilla/fxemoji>

TTL Speakers wanted!

- Take the opportunity to showcase your work with the community
- About Alfresco, Nuxeo, and associated technologies
- Best practices, integration, scaling, cloud, ...

Today's talk



Alfresco Content Services 7.4 Release overview

Martin Stanford & his team
Product Management Manager at Hyland

Hyland™

Alfresco Content Services 7.4 - Release Overview

TECH TALK LIVE MAY 2023

Alfresco Product Management team

May 22, 2023

The Hyland logo is a square with a green-to-blue gradient background. The word "Hyland" is written in white, serif font, centered within the square.

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AGENDA

- **Release Overview**
- Product Releases
- Roadmap

APRIL RELEASE SUMMARY

15/05/2023

- Alfresco Content Services 7.4
- Alfresco Search Enterprise 3.3
- Alfresco Digital Workspace 4.0
- Alfresco Control Center 8.0
- Alfresco Development Framework 6.0
- Desktop Sync 1.15
- Alfresco Transform Service 2.1
- Alfresco Mobile Workspace 1.6
- Alfresco Collaboration Connector for Microsoft Teams 2.0
- Alfresco Collaboration Connector for Microsoft 365 2.0
- Alfresco Process Services 2.3.8

Compatibility

- Alfresco Governance Services 7.4
- Alfresco Content Connector for Azure 3.2
- Alfresco Office Services 1.6
- Alfresco Google Docs Integration 3.4
- Alfresco Content Connector for Salesforce 2.4
- Alfresco Intelligence Services (AIS) 1.5
- Alfresco File Transfer Receiver 7.1.0
- Alfresco Extension Inspector 1.6
- Alfresco Search Services 2.0.7
- Alfresco Search and Insight Engine 2.0.7

RELEASE VALUE

Platform Updates

Compatibility updates for
M365 & Teams
connectors

Elasticsearch language
support

Tags & categories for
ADW & ACC

Rocky Linux 8.7

Hazelcast security &
automation

Elasticsearch database
support

Improved UI for ADW &
ACC

Log4J v2

Mutual TLS between ACS
& ATS

Elasticsearch Federation
Services Support

Updated accessibility
compliance

ADF Updates for future
stability

Elasticsearch
Governance Services
Support

Offline access for mobile
users

AGENDA

- Release Overview
- **Product Releases**
- Roadmap

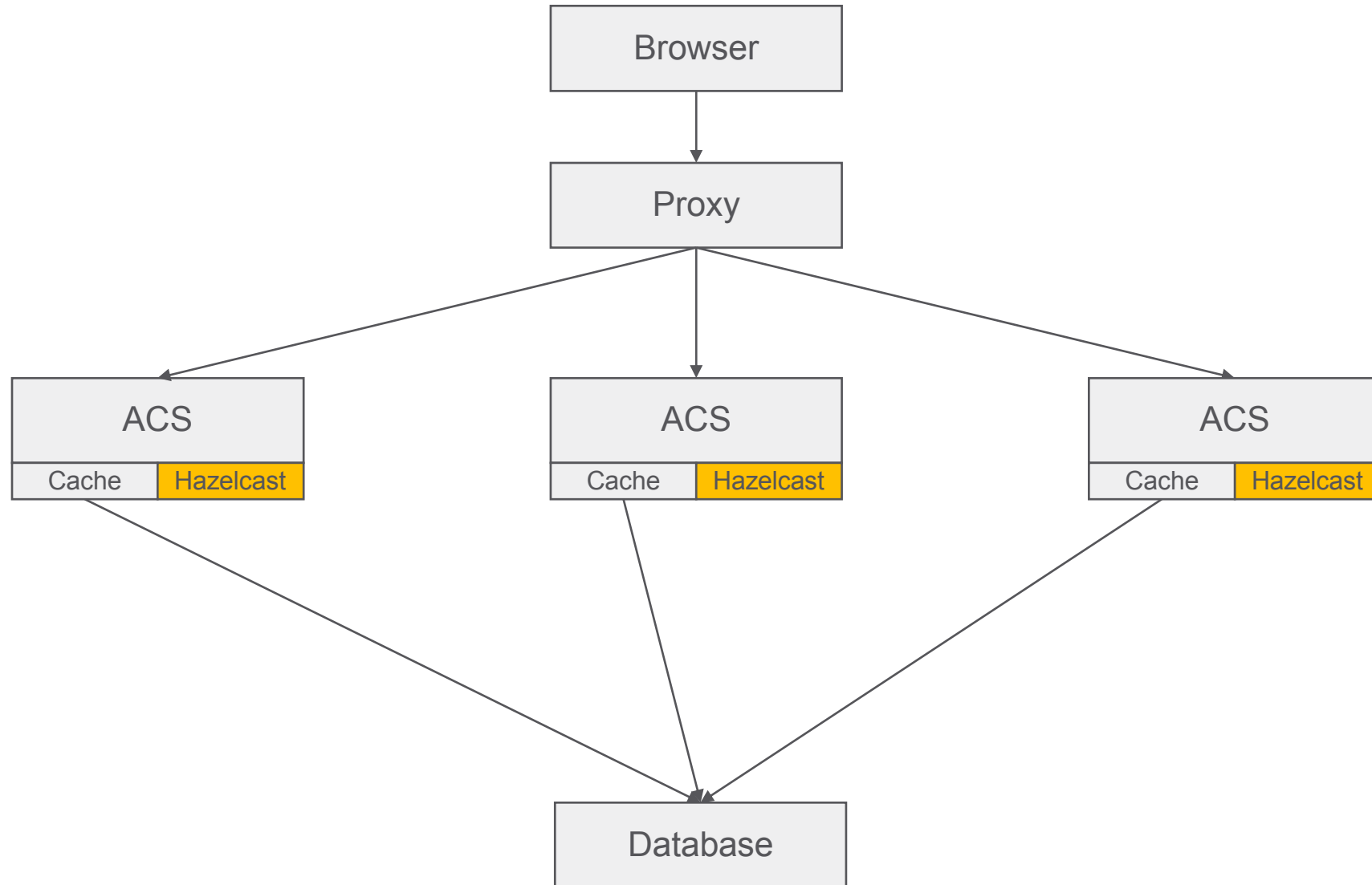
ALFRESCO CONTENT SERVICES

ACS 7.4 SUPPORTED PLATFORM UPDATES

- Added support for RHEL 8.7
- Added support for Rocky Linux 8.7
- Moved to Log4J v2
- Moved from Keycloak client adapter to Spring Security
- Multi-architecture images supporting Apple ARM chips

Advance notice: next major release will use Tomcat 10

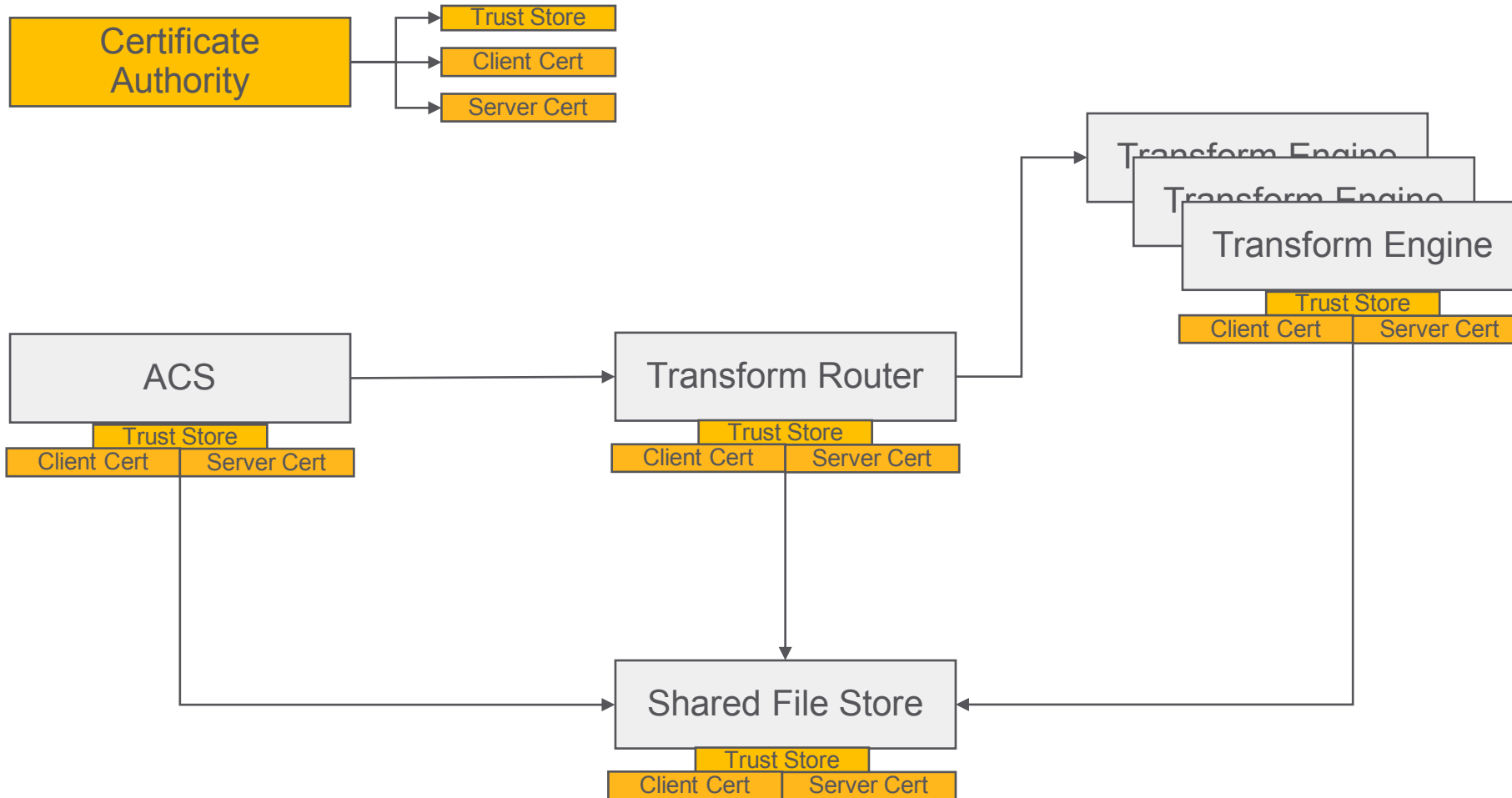
HAZELCAST: CLUSTERING INFRASTRUCTURE



HAZELCAST IN ACS 7.4

- Upgraded Hazelcast to 3.12.13
 - Adresses CVE-2022-36437
- Process for setting a unique random UUID as cluster name is now automated
 - Automatically on install
 - Automatically on upgrade
 - Manual procedure for earlier versions is documented

MUTUAL TLS BETWEEN ACS AND ATS



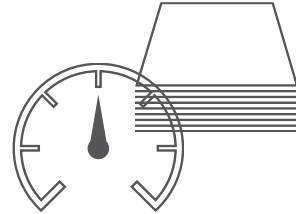
ALFRESCO SEARCH ENTERPRISE 3.3

CUSTOMER BENEFITS



Decoupled Architecture

- Zero customizations
- Easier to maintain
- Near real-time updates



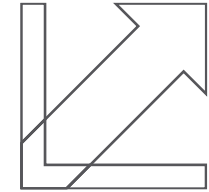
Optimized Indexing

- Faster bulk indexing
- Parallel execution of bulk and live indexing



Cloud Services

- Support for managed services
- Helm chart support



Scalability

- Horizontal & vertical scalability
- Superior query & indexing performance

ALFRESCO SEARCH ENTERPRISE 3.3



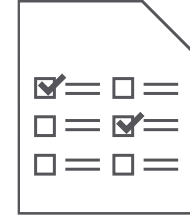
**Alfresco
Governance
Services Support**



**Multi-database
support**



**Kibana
Reporting**



**Category
Searches**



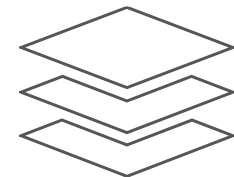
**New Environment
Variables for cloud
deployment**



**Multi-lingual
support**



**Docs
Improvements**



**Alfresco Federation
Services Support**

REFERENCE



Release Notes

- <https://community.hyland.com/en/Products/alfresco/release-notes/release-notes>

Alfresco Search Enterprise Documentation

- <https://docs.alfresco.com/search-enterprise/latest/>

Hyland Community Blog

- Deploying Elasticsearch for Alfresco on AWS Elasticsearch Vs AWS EC2
 - <https://community.hyland.com/en/blog/posts/89693-deploying-elasticsearch-for-alfresco-on-aws-elasticsearch-vs-aws->

AWS Blog

- Using Amazon OpenSearch Service with Serverless Alfresco Content Services (AWS Fargate)
 - <https://aws.amazon.com/blogs/apn/using-amazon-opensearch-service-with-serverless-alfresco-content-services/>
- Alfresco Digital Business Platform on AWS
 - AWS reference architecture diagram
 - https://d1.awsstatic.com/architecture-diagrams/ArchitectureDiagrams/alfresco-digital-business-platform-on-aws-ra.pdf?did=wp_card&trk=wp_card

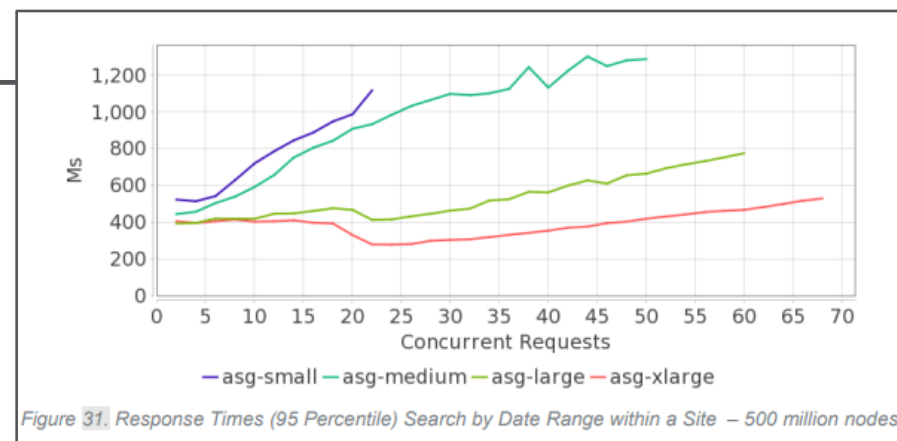
ACS SIZING GUIDE

Right sizing of Alfresco Content Services with Alfresco Search Enterprise (Elasticsearch)

Guidance to maximize performance and minimize cost

Scalability Documentation

- Performance benchmarks for ACS response time and throughput with multiple environment configurations.
- Performance benchmarks for 80 million, 500 million, 1 billion and 2 billion documents.
- Detailed environment configuration documentation
- Uses Alfresco Search Enterprise with Elasticsearch



ALFRESCO CONTROL CENTER

WHAT'S NEW?

- Tag and categories administration – this new feature allows administrators to manage tags and categories in the system. Administrators will be able to view, create, edit and delete tags and categories without adding it to content. (In Alfresco digital workspace (ADW) end users will be allowed to manage tags and categories on content.
- Minor changes for new UX/UI
- Included in our Helm charts
- Pushed zip code to nexus

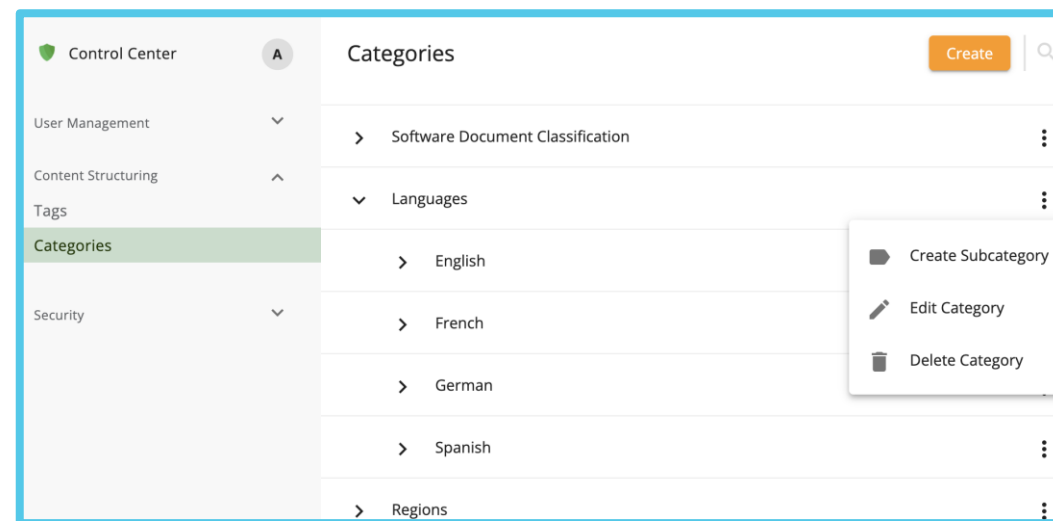
TAGS AND CATEGORIES ADMINISTRATION

Improve the user experience with a new interface to manage Tags and Categories

Unified user interface across all Alfresco front-end applications for enhanced user experience for both the administrator and the end user to be able to manage the tags and categories assigned to a piece of content.

Digital Workspace

- Provide the tagging change feature in association to a piece of content, to end-users of any ADF based application as well as ADW.
- Provide the category change feature in association to a piece of content, to end-users of any ADF based application as well as ADW.
- Provide the Administrator the ability to manage Tags and Categories



ALFRESCO DIGITAL WORKSPACE

WHAT'S NEW?


- New User Experience with responsive design
- Tag and categories management
 - Allows users to add and remove tags and categories to content on the alfresco digital workspace. Furthermore, end-users will be able to create new tags to be added to content. (In Alfresco control Centre (ACC) administrators will be allowed to manage tags and categories, create delete and edit
- User interface notification management for viewing large files
- Support Accessibility WACG 2.1, WACG 2.0 , Section 508 – [download report](#)
- Folder rules – bug fixes

NEW ADW RESPONSIVE DESIGN

The screenshot displays a file management interface with a sidebar on the left and a main content area. The sidebar contains navigation options: Workspace, Files (with a dropdown arrow), Personal Files (highlighted), My Libraries, Favorite Libraries, All Libraries, Recent Files, Favorites, Shared, Trash, and Workflow (with an up arrow). The main content area is titled "Personal Files" and includes action buttons: Create, Upload, and Start Process, along with a search icon. Below the title is a table with columns: Name, Size, Mo..., Modified..., Security Marks, and Tags. The table lists 10 folders, each with a yellow folder icon, a name, a size (e.g., 6 hour...), and a user (hruser). A tooltip at the bottom right of the table reads "the big tag name not fit into search window... it". At the bottom of the interface, it shows "Showing 1-19 of 19 Items per page 30" and "Page 1 of 1" with navigation arrows.

Name	Size	Mo...	Modified ...	Security Marks	Tags
e2eFileLinkFolder-9inYv		6 hour...	hruser		
e2eFileLinkFolder-KpERf		6 hour...	hruser		
e2eFirstFolder-7gTot		6 hour...	hruser		
e2eFirstFolder-GJMQ0		6 hour...	hruser		
e2eFirstFolder-Rwxxs		3 days...	hruser		
e2eFolder-igmYg		6 hour...	hruser		
e2eFolder-ofXo0		6 hour...	hruser		
e2eParentFolder-p452J		6 hour...	hruser		

- Workspace
- Files
- Personal Files**
- My Libraries
- Favorite Libraries
- Recent Files
- Favorites
- Shared
- Trash

Name	Size	Modified	Modified ...	Tags
 anotherFile.txt	30 Bytes	16 minutes ago	contentiden...	ta tag1 test test 1



USER INDICATOR TO PREVENT PREVIEW OF LARGE FILES IN ADW

Informing users if there is an issue viewing a large

Administrator will be able to configure the system behaviour when attempting to preview large files in the Alfresco Digital Workspace

Digital Workspace

- Pop up message to inform users the file is too large for preview
- Pop up message to inform the user he can download the file instead
- Pop up message allow the user to continue and wait for file to preview
- Admin can configure the time laps for a pop up message to the end user

Preview loading delayed

You can continue to wait, or download the document.
Alternatively, cancel to continue without preview.

Cancel

Download

Wait

ACCESSIBILITY ON THE DIGITAL PLATFORM

Improve the user experience with support to accessibility tools

Customer are wanting their users with accessibility issues to be able to perform their job easier using web tools. In addition, customers looking to have compliant tools to offer their end users with accessibility criteria of the Web Content Accessibility Guidelines standards

Digital Workspace

- Users have options to navigate using keyboard
- Users can use dictation software and screen readers to engage with the app
- Enhanced usability of ADW for all users
- Create a better solution than share



A



WCAG 2.1
WCAG 2.0
Section 508
EN 301 549

AA



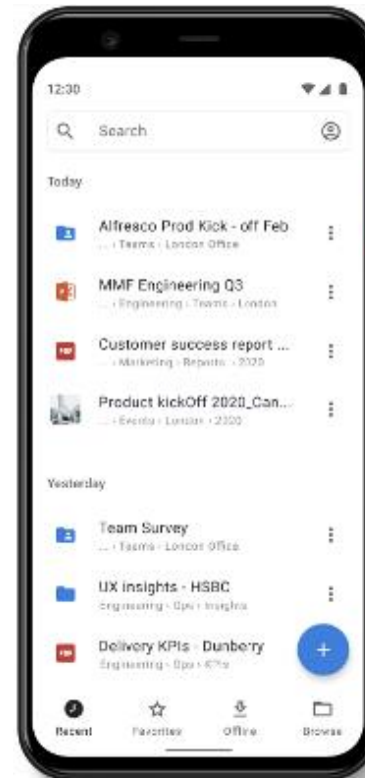
ALFRESCO MOBILE WORKSPACE

ALFRESCO MOBILE WORKSPACE

Allow end users to use search functionality on downloaded content on Mobile or Tablet when offline

Next-gen mobile capability

- As a user I would like to be able to search for a document, from my pre-downloaded documents on my device, when my device is in offline mode.

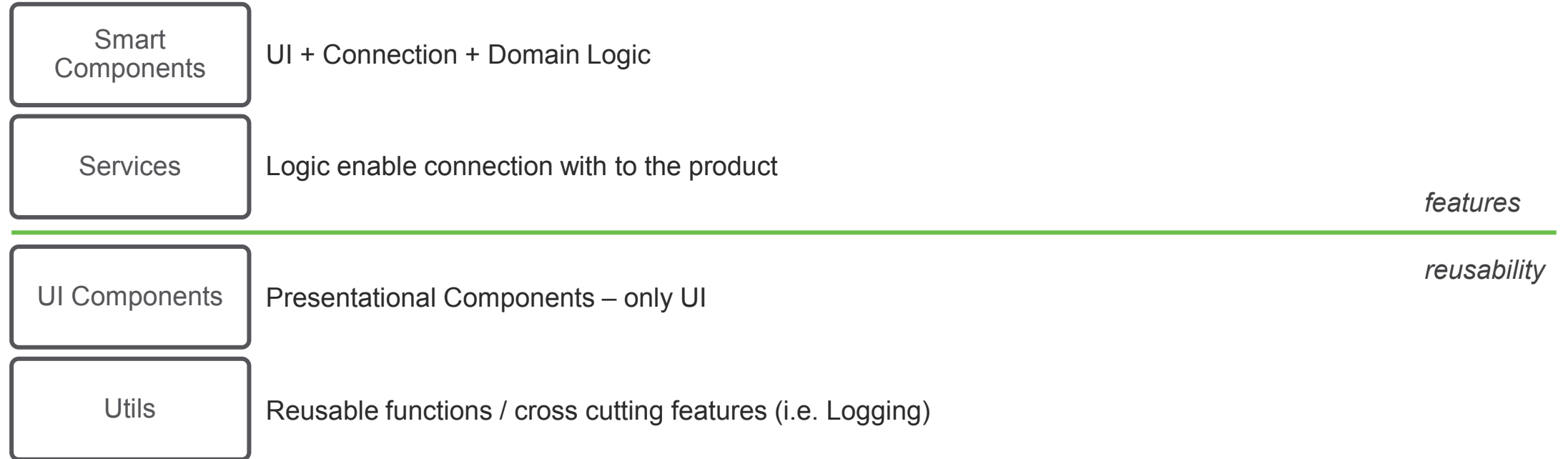


ALFRESCO DEVELOPMENT FRAMEWORK V 6.0

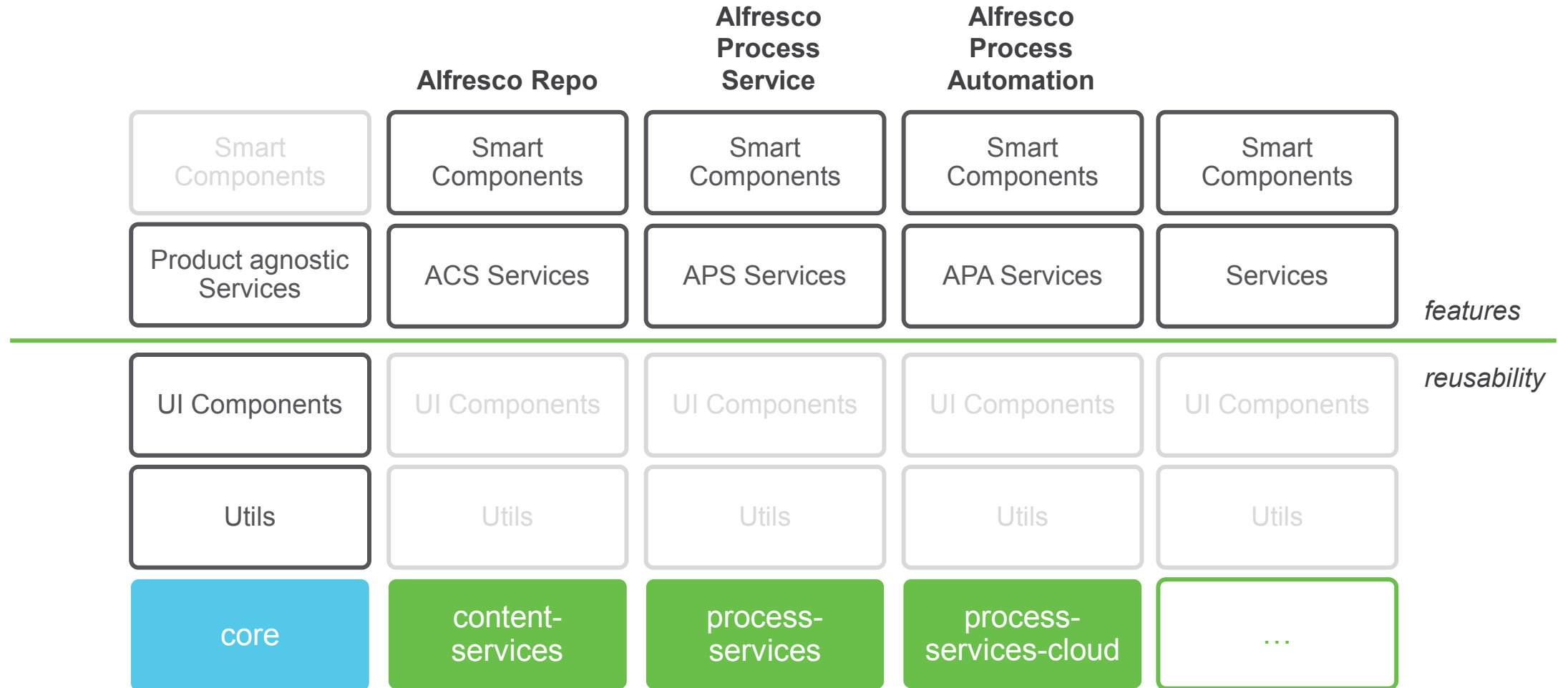
WHY ADF V.6.0

- Reorganization of internal modules
- Relevant changes

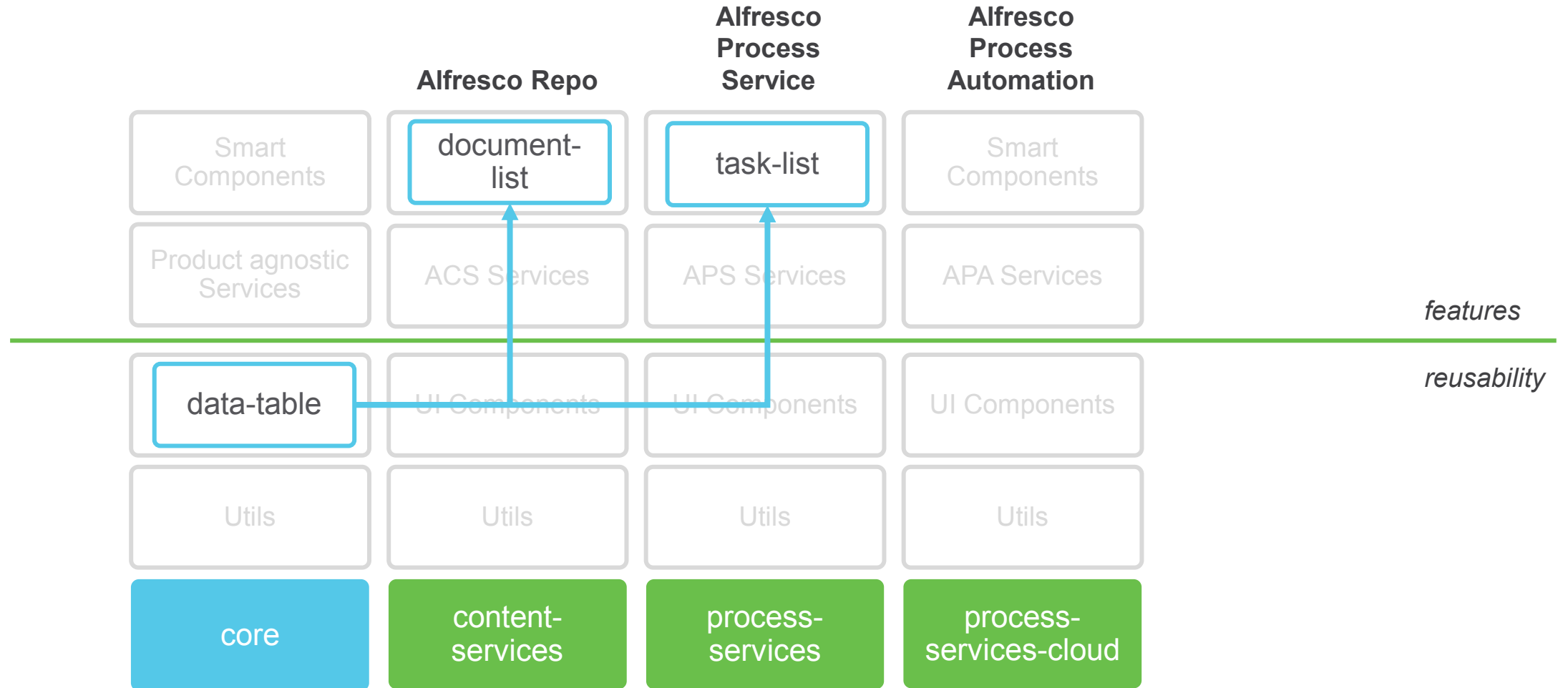
ADF 6.0 MODULE DESIGN



ADF 6.0 MODULE DESIGN



ADF 6.0 MODULE DESIGN



WHY ADF V.6.0

Refactoring internal modules

- Clear separation between Presentational and Product specific logic

Relevant changes

- DataTable – resize and reordering of the columns
- PDF.js library upgrade that solves issue with Adobe digital signature rendering

AGENDA

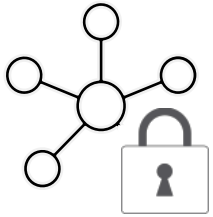
- Release Overview
- Product Releases
- **Roadmap**

DISCLAIMER

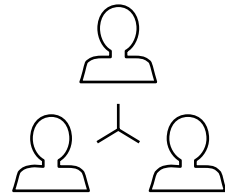


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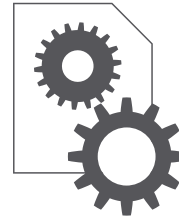
ALFRESCO STRATEGIC PRODUCT THEMES



**Federation
& Governance**



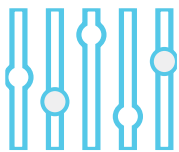
**New Work Hub
User Experiences**



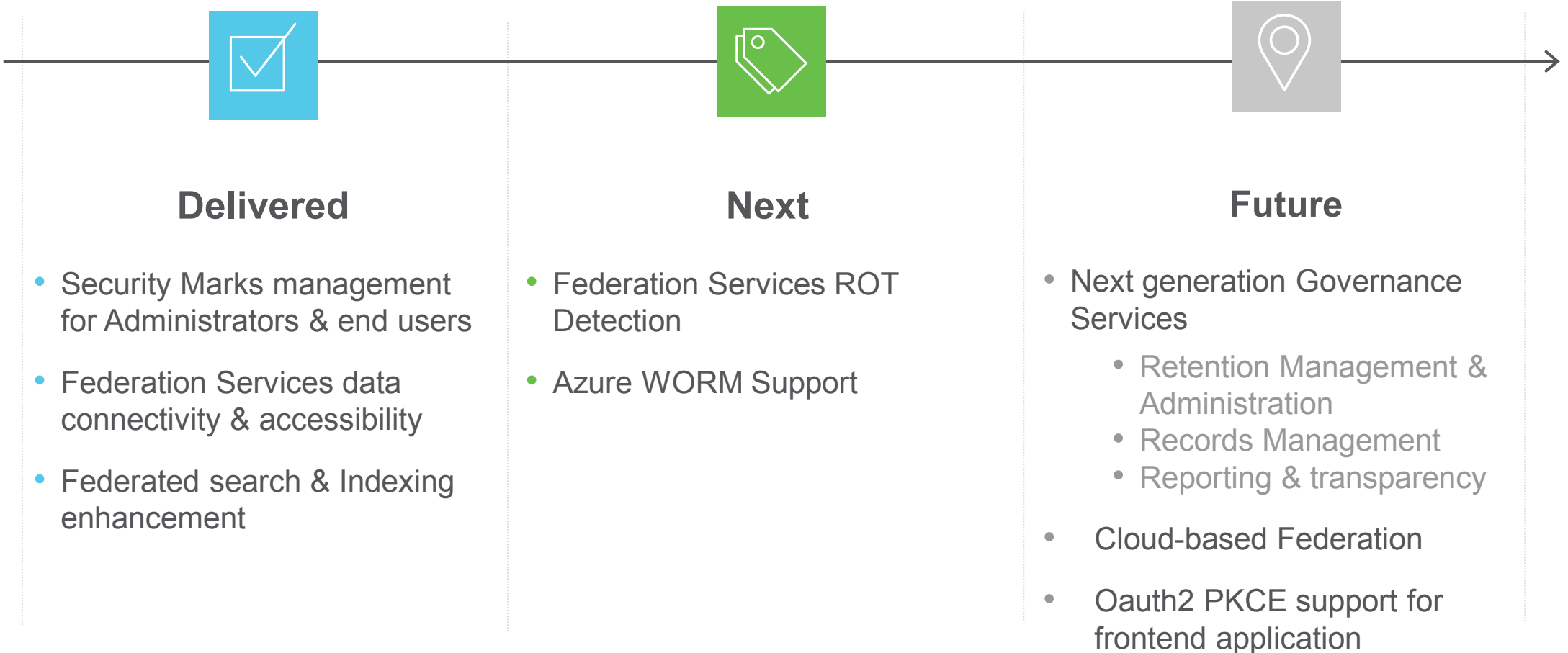
**Workflow &
Productivity**



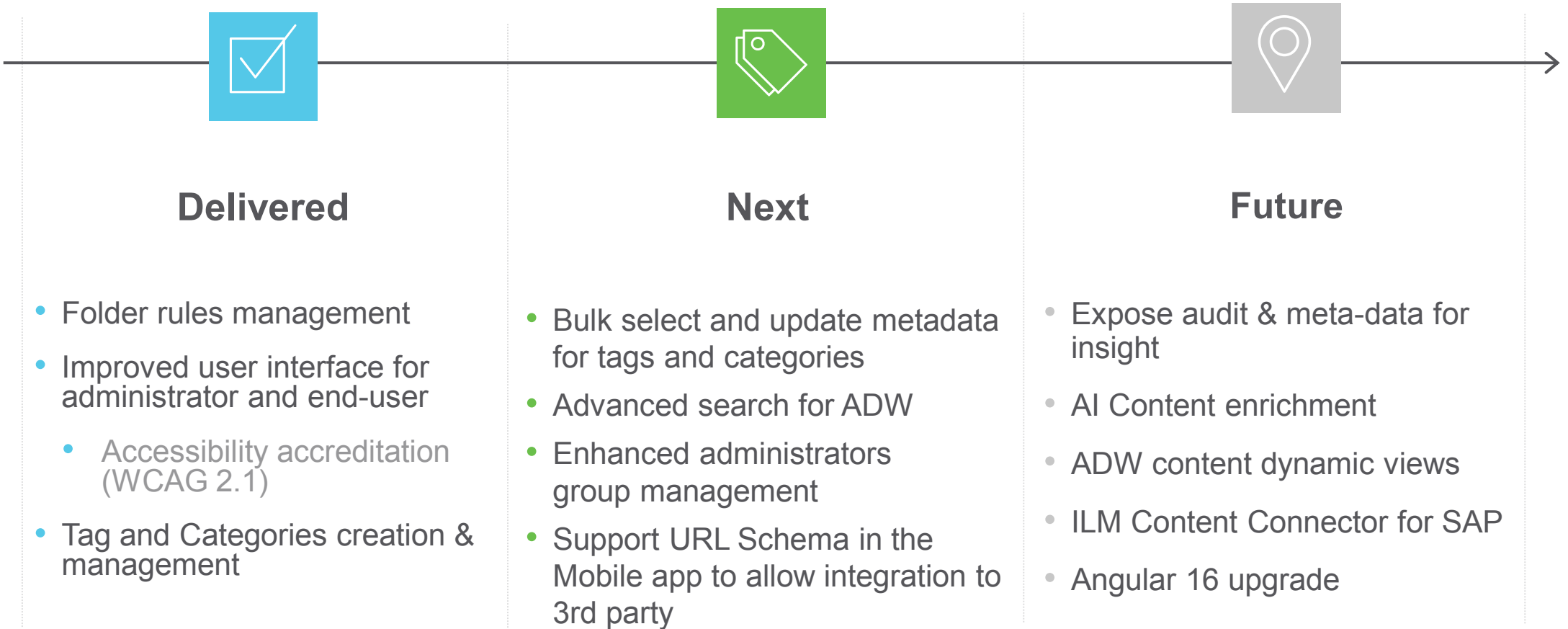
**Cloud and
Automation
Evolution**



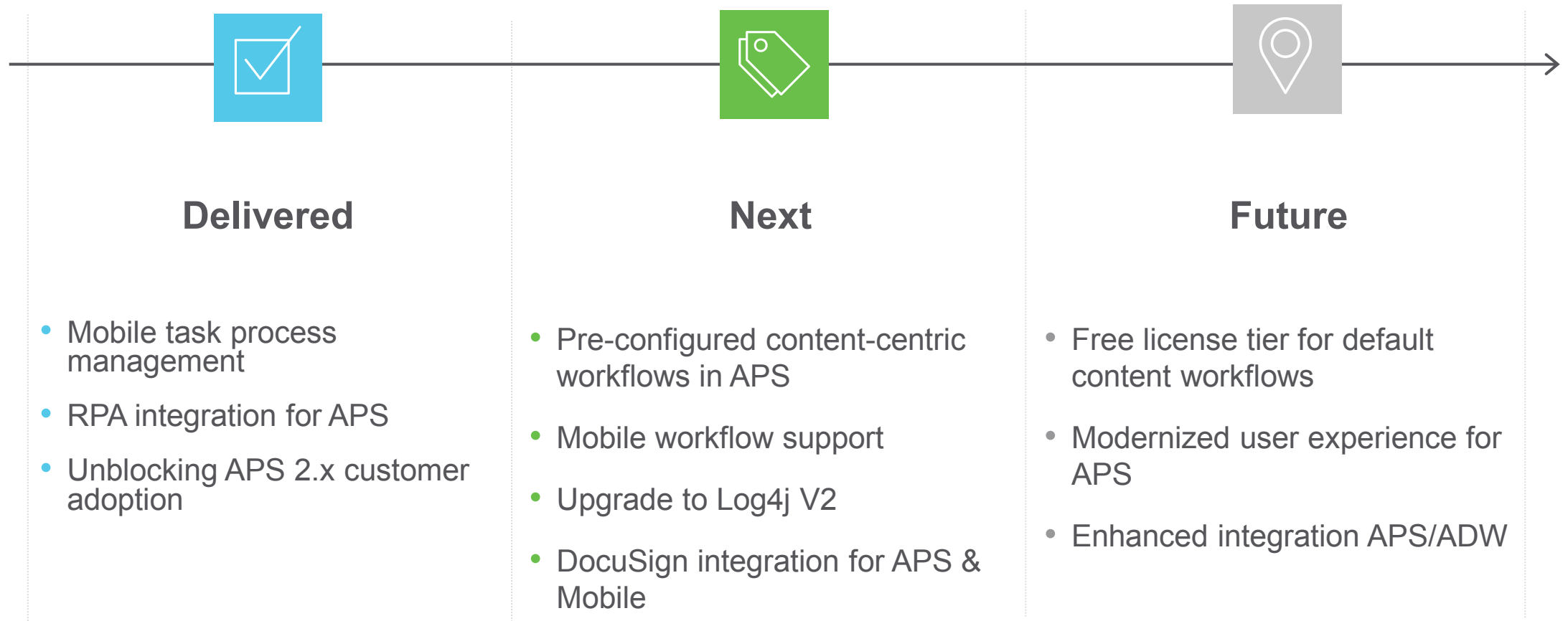
FEDERATION & GOVERNANCE ROADMAP



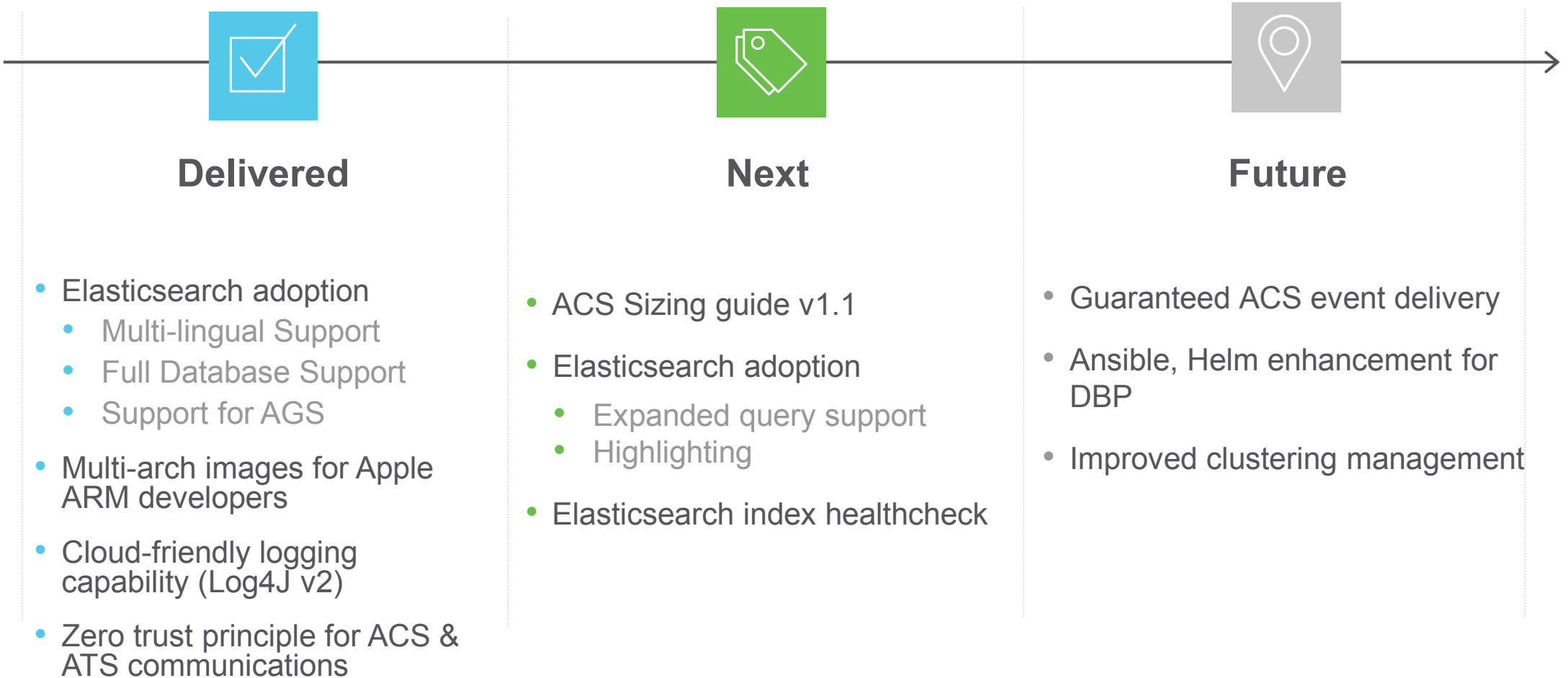
NEW WORK HUB USER EXPERIENCES ROADMAP



WORKFLOW & PRODUCTIVITY



CLOUD AND AUTOMATION EVOLUTION ROADMAP



ALFRESCO PRODUCT PRIORITIES

NEW WORK HUB USER EXPERIENCES

- Minimizing reliance on Share
- Intuitive experience for administrators and end users
- Content enrichment & oversight

FEDERATION & GOVERNANCE

- Comprehensive governance strategy & unified platform
- Cloud-based retention & federation
- Leverage AI/ML for auto content classification & efficient integration

WORKFLOW & PRODUCTIVITY

- Improved user experience and interface for enhanced productivity
- Content-centric workflow for Alfresco Process Services

CLOUD AND AUTOMATION EVOLUTION

- Elasticsearch migration
- Accelerated Path to Production

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TTL #147 - Alfresco Content Services 7.4 - Release Overview

Questions	Answers
Hello, a. does Elastic search supported in 7.4 for Postgresql and MySQL DB ? b. cuurent SOLR based search service is liceneded separetely from ACS. Will search service based on Elastic also liceneded separetely from ACS ?	a. Yes, the version released in conjunction with 7.4 will support all of the databases supported by Alfresco. b. Yes, a separate license is needed.
Is Alfresco Identity Service deprecated? If so, how is SSO going to be handled for AWD?	Alfresco Identity Service has not been deprecated and a new version of it is planned in next months to include a newer version of Keycloak. We are planning to deprecate our own fork of keycloak (expected Q4 2023 to be confirmed). That change will just mean we are not going to distribute source code or containers for Alfresco Identity Service. We will provide theming similar as today, the plan is to use keycloak directly.
is the hazelcast vulnerability patched for other versions of Alfresco?	The upgrade of Hazelcast to deal with the CVE has not been back-ported to older versions of ACS, but the procedure to secure the cluster by making the cluster-name a random UUID can be applied to older versions of ACS.
what Solr features are lost when using ElasticSearch?	https://docs.alfresco.com/search-enterprise/latest/using/unsupported/
does lisenec needs to be porghased separtly of acs 7.4	If you have a license for ACS, you do not need to purchase a license for ACS 7.4. But you will need a separate license file for ACS 7.4, just like with every minor release. You can request a 7.4 license through the Hyland Community site.
Current version of Live Indexing app is missing to remove the document from the index if that UPDATE contains the setting for the cm:indexControl aspect. It seems to be just omitting the indexation of the changes. Have we addressed this issue with new release ?	That was addressed in https://alfresco.atlassian.net/browse/MNT-23526 . Let us know if the fix doesn't solve your issue
Does the new speed provided by ElasticSearch make unnecessary to use sharding (I don't even know if shards are available in ES)?	Under the hood, ElasticSearch uses shards (that it's Lucene stuff). But an ElasticSearch cluster can handle these shards automatically. So you don't need to configure and provision Shards anymore.
Any Admin UI available for Alfresco search enterprise? Which is used to be there with Solr.	Likely the natural replacement for Solr Admin UI is Kibana. We're providing Kibana in many of our Docker Compose samples.
Will ElasticSearch/OpenSearch be possible to use with other DB than PostgreSQL?	The Elasticsearch solution works with all databases supported by the Repository.
I am referring to this : https://alfresco.atlassian.net/browse/MNT-23347	Sorry Abhinav, this issue haven't been addressed yet. So it's not available in 3.3.0.
May I suggest a whole TTL focused on ASE 3.3?	Taking note!
Is it possible to prompt the user to enter mandatory metadata, like uploader+ ?	That is not an option by now. But thanks for highlighting this request, we'll try to cover this need in the future.
Is there any plan of using react in future?	As of today there is no plan to move to react. We would like to upgrade to a newer version of Angular. Angular 16 is getting a bit lighter with standalone components, signals. We are investigating ways to better extend and compose the applications. Having extensions in a different framework will be part of the PoC. Any specific need behind the react interest?
what is a large file?	This is configurable, but on our PaaS environment this limit is set to 15 MB.
Is tag supporting any language?	It's supporting all the languages supported by ACA / ADW
Are you guys going to support helm charts on EKS platforms or is it not covered under support?	You can find a sample deployment in this AlfrescoLabs project: https://github.com/AlfrescoLabs/ServerlessACS-OpenSearch
What is the difference between ACA and ADW? Do we have the same features in both?	ACA and ADW have the same features and functionality except that ADW has extentions to AGS and APA/APA
Hi, can the "off-line " contents of the mobile workspace be encrypted ?	content that is downloaded to your mobile app can only be access via the mobile app
Is there any plan for share portal decommission?	We want to minimise the reliance on share and promote usage of ADW and ACC. We do not have any timeline for a Share decommission.
You mentioned earlier that you now have Apple ARM docker images. Do you also have Ansible scripts that support ARM (i.e. if I want to install into Linux running on VMWare Fusion on my Mac, I need the ARM packages for java, open office, image magick etc)	Thank you for your question. As of today there is not plan for Ansible to to support ARM packages. We would like to get to a good state container wise, some of them still in the pipeline to go for ARM. While I see different priorities on deployment we will consider the option.
Hi Hein, Is there any plan for leveraging ADW over share for Salesforce connector in near future?	I am not aware of any plans for that
Any roadmap for existing solr based search service? Is it going to be sunset ?	Yes, the plan is to move forward with Elasticsearch / OpenSearch approach. Sunset for SOLR will be announced.
I'm a bit confused about ES databse support, probably because I'm new to it. I assume that customers can continue using their DB (eg, oracle), but they'll have to use postgresql for ES, am I right?	That is only for the re-indexing component, that is using the DB to populate ES. Customer can continue using the same DBs for ACS (as before).
Any Administrator UI available with Search Enterprise? To monitor/progress of live and re-indexing?	Not yet, but Kibana is a great tool for that purpose.
We are using ACS7.1 with Solr, will we have problem upgrading to ACS7.4 with ES?	Not a problem, just need to re-index search service