

The logo consists of a square with a vertical color gradient from green at the top to teal at the bottom. The word "Hyland" is centered in white serif font, with a small trademark symbol (TM) to the upper right of the 'd'.

Hyland™

# Alfresco TTL #143

HANDOUT

Hyland™



# HAPPY NEW YEAR

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# UPDATE ON AARM AND DOCKER DESKTOP



## ▪ AARM

- [github.com/aborroy/alfresco-dockerx-builder](https://github.com/aborroy/alfresco-dockerx-builder)
- Running Alfresco on Apple M1 chips
- Progress is being made, tests and feedback welcome

## ▪ Docker Desktop Extension

- [github.com/AlfrescoLabs/alfresco-docker-extension](https://github.com/AlfrescoLabs/alfresco-docker-extension)
- Not yet available on marketplace

# APPLE ARM TUTORIAL




Alfresco 7.3 - Alfresco Docker x

https://hub.alfresco.com/t5/alfresco-content-services-blog/alfresco-7-3...

Alfresco Hub > ACS - Blog > Alfresco 7.3 - Alfresco Docker Images AARCH64/ARM6...

## Alfresco 7.3 - Alfresco Docker Images AARCH64/ARM64 support

 **angelborroy**  
Alfresco Employee

15 Dec 2022 1:10 PM

👍 0 🗨️ 0 👁️ 1,606

### The rise of AARCH64

**AARCH64** (also referred to as **ARM64**) is a CPU architecture primarily known for their energy efficiency and low power consumption

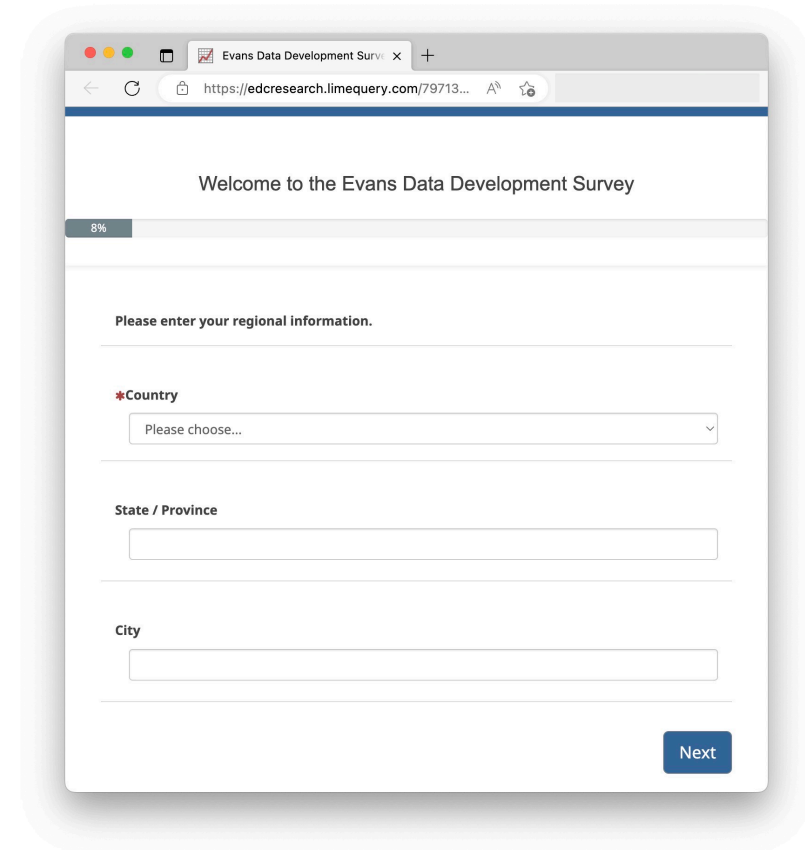
- *Docker* started to support aarch64 architecture for Docker Images in 2019
- *Apple* started to use aarch64 architecture with the Apple Silicon chips back in November 2020
- The previous architecture, the one used for Apple Intel chips computers, is known as x86\_64 or AMD64
  - Many development computers, both Windows and Linux based, are still using AMD64 architectures

If you are using a Mac computer with Apple Silicon the following instructions will help to configure a healthy development environment with Alfresco Docker Images.

# JOIN THE CONVERSATION: YOUR OPINION COUNTS

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- Partnership with a research firm
- Short survey on developer tools and platforms to help inform our strategy and advance our developer programs and community
- Your personal information is completely confidential
- Link on the Hub

A screenshot of a web browser displaying a survey titled "Evans Data Development Survey". The browser's address bar shows the URL "https://edcresearch.limequery.com/79713...". The survey page has a white background with a blue header bar. Below the header, there is a progress indicator showing "8%". The main content area contains the text "Please enter your regional information." followed by three input fields: a dropdown menu for "Country" (with a red asterisk and "Please choose..." text), a text input field for "State / Province", and another text input field for "City". A blue "Next" button is located at the bottom right of the form.

# SPOILER -- DEVCON 2023

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- Stay tuned later this month for a formal re-launch of the DevCon registration
- CFP re-opening
- Great venue, program and speakers



# TTL SPEAKERS WANTED!



## Topics

- Showcase of your best work
  - Tips and tricks
  - Discussions on best practices
- 
- About Alfresco, Nuxeo, and associated technologies



## Benefits for Speakers

- Visibility in the ecosystem
- Goodies
- And other advantages





## *Alfresco Enterprise Viewer Overview*

- **Georges Steimer**
- Service Product Portfolio owner

# Alfresco TTL #143

## QUESTION & ANSWERS

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# Alfresco Enterprise Viewer Overview

TECH TALK LIVE

George Steimer  
Services Product Portfolio Owner

January 11, 2023

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# AGENDA

- Overview and Demo
- AEV Deep Dive
- Architecture

# AEV OVERVIEW AND DEMO

# COMMON CHALLENGES WITH BROWSER BASED VIEWING

<b>Unsecure Viewing of Documents</b>	<b>Slow Viewing of Documents</b>	<b>Standard Viewers don't allow for annotation</b>	<b>Document contents need to be protected</b>	<b>Document Editing during viewing</b>
<ul style="list-style-type: none"><li>• Documents can be downloaded too easily</li><li>• Documents do not contain any audit trail of who downloaded</li><li>• Uncontrolled printing of documents</li></ul>	<ul style="list-style-type: none"><li>• Standard documents taking too long to view first page</li><li>• Large Documents take a long time to download and view</li></ul>	<ul style="list-style-type: none"><li>• Adding standard annotation types (highlight, underline, box, circle, &amp; more)</li><li>• Annotation on video and audio content</li><li>• No way to see who is viewing or annotating a document in real time (collaboration)</li></ul>	<ul style="list-style-type: none"><li>• Redact based on patterns (ex: social security numbers, phone numbers)</li><li>• Ad hoc Redactions (ex: PII, account numbers, etc.)</li></ul>	<ul style="list-style-type: none"><li>• No way to adjust scanned image document (ex: rotate, reorder pages)</li><li>• No way to split, prune or delete pages</li></ul>





## Increased Efficiency

- Browser based – High Speed and Secure Viewing
- PDF Editing including page reorder, split, prune and delete
- Large doc sectioning



## Annotation

- Sticky Notes
- Drawing tools: lines, arrows, ellipse, rectangles, text
- Predefined Stamps
- File Attachments



## Security

- Redaction of sensitive data – Pattern or Ad Hoc
- Watermarks
- Audit Trail



## Collaboration

- See annotations, replies and chats in real time
- Follow other participants location
- Chat with other users

# PRODUCT BENEFITS

Alfresco Enterprise Viewer provides high-speed and secure viewing of document, video and audio content with team collaborative annotation, redaction and other modern document capabilities for Alfresco Content Services.

# AVAILABILITY

Flexible deployment options



Alfresco Cloud  
(PaaS)



Private Cloud



On-Prem

# ALFRESCO ENTERPRISE VIEWER CAPABILITIES

Search in the document

The screenshot displays the Alfresco Enterprise Viewer interface for a document titled "Autosource Market-Driven Valuation™". The interface includes a top toolbar with various navigation and editing tools, a left sidebar with thumbnails and bookmarks, and a right sidebar with an annotations summary. The main document content is annotated with a "REVIEWED" stamp, highlights, redactions, and sticky notes. The annotations summary on the right lists these annotations, including a reviewed stamp, highlights, a sticky note, and an ellipse, all created by George Steimer. The document content includes sections for Administrative Data, VINSOURCE Analysis, and Vehicle Salvage Title Summary. A red circle highlights the text "No Branded title history found for this VIN." in the Vehicle Salvage Title Summary section.

**Toolbar**

**Thumbnails and Bookmarks**

**Predefined Stamps**

**Highlighting**

**Redactions**

**Sticky Note**

**Annotations Summary**

**Drawing tools**

**Administrative Data**

Alice Adjuster  
The Cincinnati Companies  
OH 45014

**Claimant**  
Insured [redacted]  
Claim [redacted]  
Loss Date 04/22/2017  
Loss Type Collision  
Policy Other

**VINSOURCE Analysis**

VIN [redacted]  
Decodes as 2006 Audi A6 4.2 Quattro 4WD 4D Sedan  
Accuracy Decodes Correctly  
History No activity was reported  
AudaVIN Yes

**Vehicle Salvage Title Summary**

No Branded title history found for this VIN.

Processed on 05/02/17 4:31 PM. Title History is powered by Experian AutoCheck. The Experian

# ALFRESCO ENTERPRISE VIEWER CAPABILITIES

The screenshot displays the ALFRESCO Enterprise Viewer interface. On the left, an 'Annotations' panel lists three entries by George Steimer, each with a thumbnail image and a comment. The first annotation is titled 'Fire warning sticker visible' and the second is 'Driver's side crack'. The main area on the right is a 'Video Viewer' showing a video titled 'VID\_20170504\_192920614.mp4'. The video content shows the engine compartment of a white car with a red warning sticker. A play button is overlaid on the video. At the bottom, a video control bar shows the time '0:00:05 / 0:00:09' and various playback controls. The interface includes a top navigation bar with 'AEV', 'Hide Panel', and 'Add Annotations' buttons, and a search bar in the annotations panel.

**Annotations**

Search...

George Stei... Write a comment...

**G** George Steimer · 5.066 - 6.066 · Created on Sep 14, 2022  
Fire warning sticker visible

George Stei... Write a comment...

**G** George Steimer · 7.133 - 8.133 · Created on Jun 2, 2022  
Driver's side crack

George Stei... Write a comment...

**Video Viewer**

VID\_20170504\_192920614.mp4

**Annotation Markers**

0:00:05 / 0:00:09

# ALFRESCO ENTERPRISE VIEWER – CAPABILITIES

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## Browser based viewing

Users want to view the document quickly and securely



## Watermarks

Watermarking overlays to discourage the usage of screenshots



## Search

Full text search within the document, highlighting of results



## Annotations

Collaboratively annotate documents using common types like sticky notes, text box, highlight, or stamps



## Redaction

Manual and automatic redaction



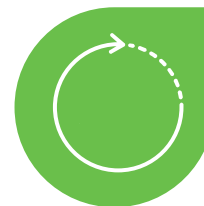
## ADF compatible

Custom apps can leverage AEV



## Typical file formats

Word, spreadsheet, presentations, PDF,...



## Document Updates

Small updates, e.g. documents can be upside down or require minor corrections

...and many more features

**AEV DEMO**

# AEV DEEP DIVE

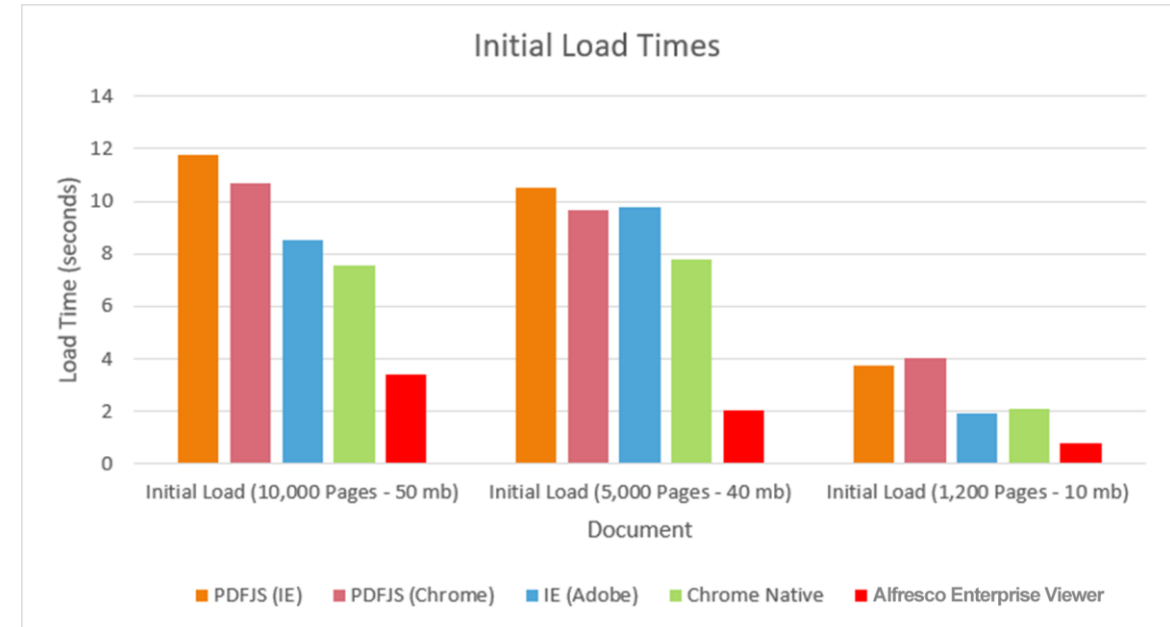
# HIGH SPEED SECURE VIEWING

## ▪ High Speed Viewer

- Fast retrieval regardless of document size
- 1,000-page document view in less than a second
- Consistent viewer for all document types
  - PDF, Word, PowerPoint, Video, Audio, Images

## ▪ Secure Viewer

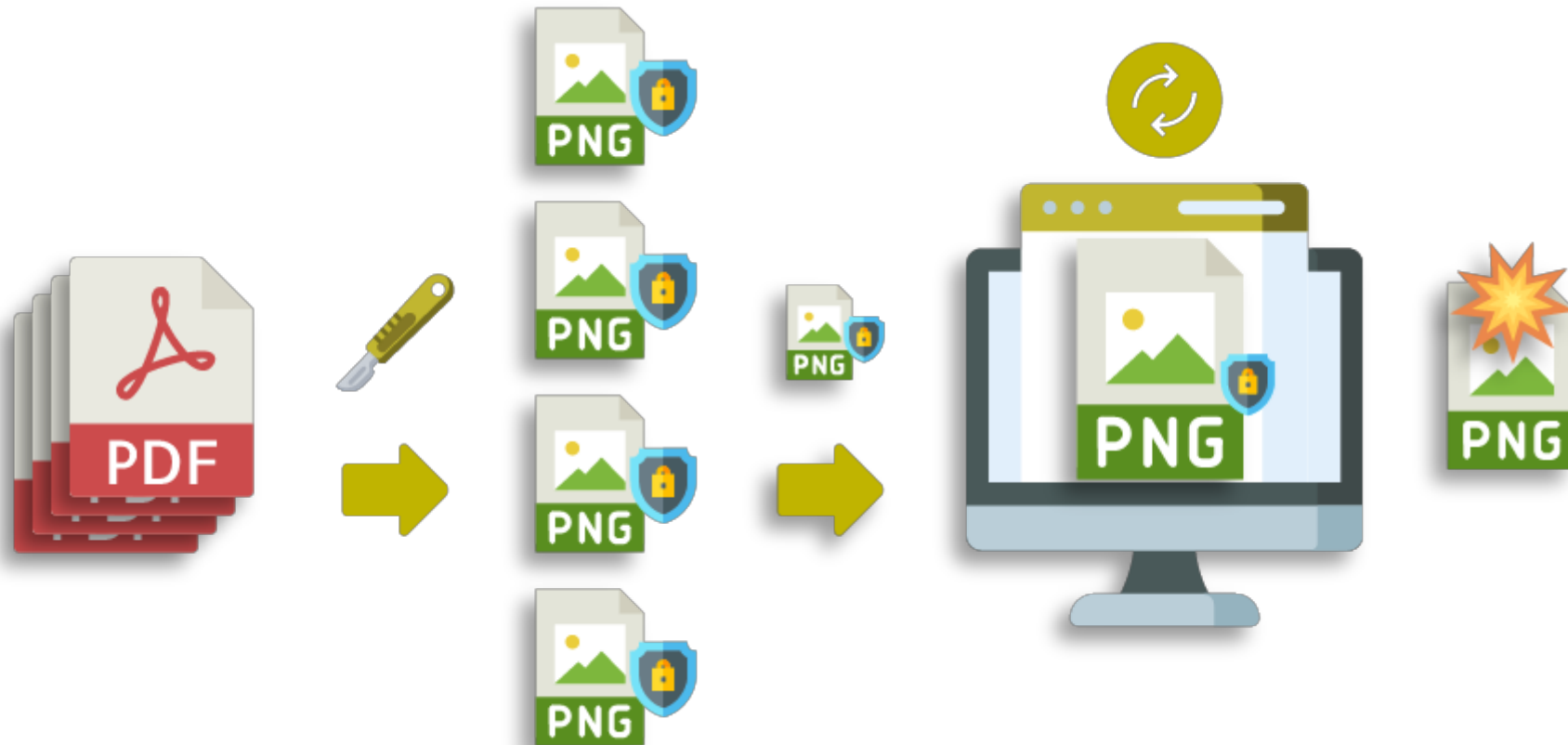
- Users cannot download documents outside of the system
  - Data Loss Prevention - users do not have access to the full document
  - Documents can be watermarked with date/time and user that viewed the document



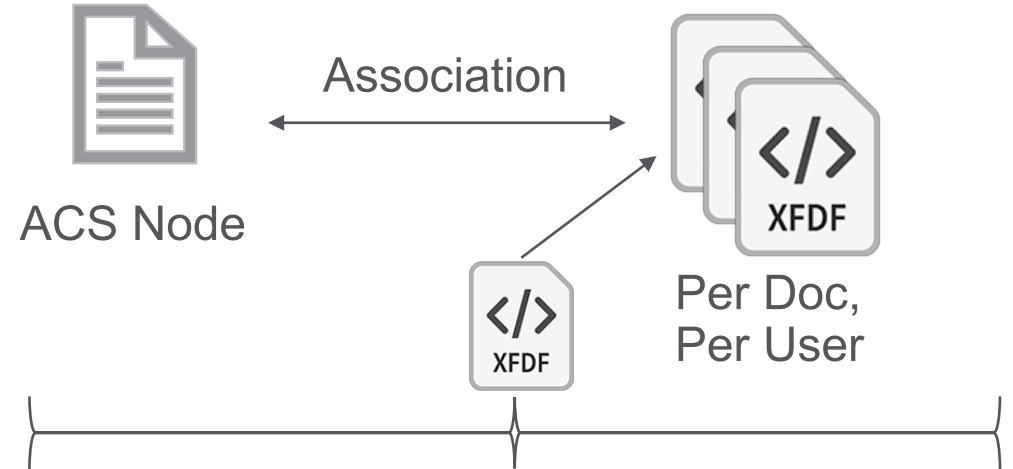


# FAST & SECURE VIEWING

Documents are automatically split, secured and sent to the user's machine individually before being destroyed to prevent a user from retrieving the page image.



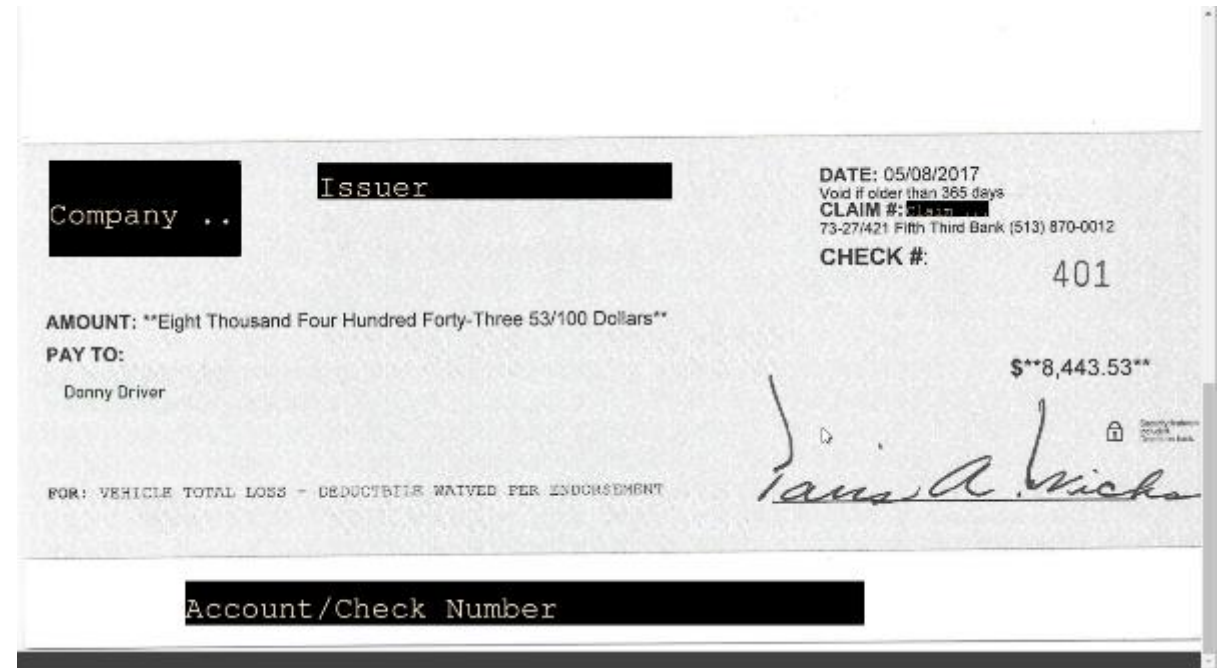
# ANNOTATIONS



Export ~~Offline~~  
Annotations

# REDACTIONS

- Remove sensitive information to keep in compliance with HIPAA, GDPR, PCI/PHI Regulations
  - NOT just a black box – text data is removed
  - User can enter an optional “Reason for Redaction”
  - “Suggested Redaction” Patterns to more efficiently redact large documents with multiple occurrences
- Multiple Redact Modes
  - Permanent Redact
  - Redact to Version (default)
  - Redact to Copy
    - Typically paired with an ACS behavior to modify security



**ARCHITECTURE**

# HIGH LEVEL ARCHITECTURE



# AEV

High speed document viewer,  
annotations, redactions

Chrome, Firefox, Edge  
Backbone.JS  
jQuery  
Bootstrap  
Material Design

↕ REST

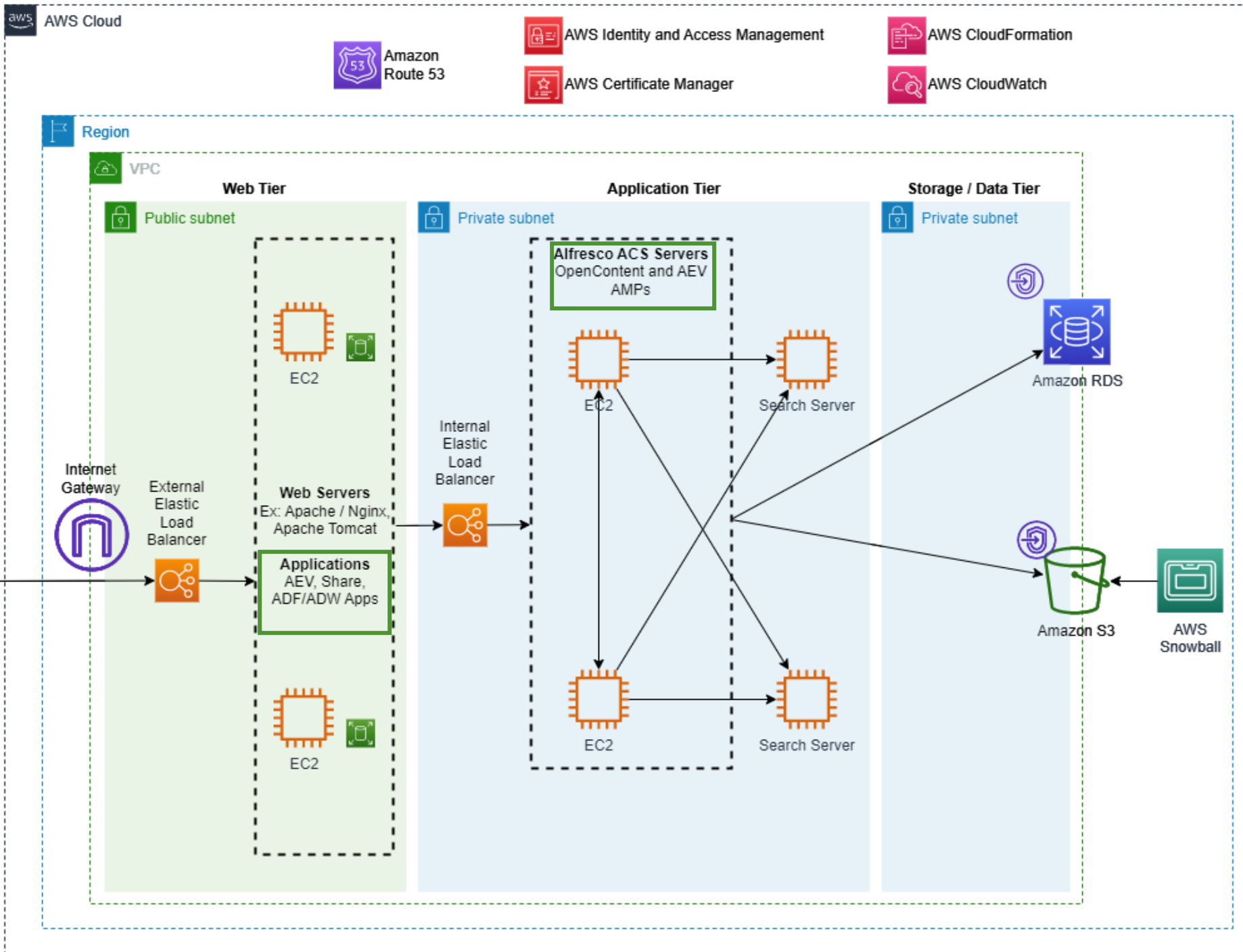


Requires Services Engagement from Hyland Global Services

Subsystem



# ARC



Hyland<sup>®</sup>

Questions / Discussion