

# A real ADF experience

by Manolo Swerts



Mano(lo) Swerts

**ioXUS**  
REINVENT YOUR CONTENT

# What we'll cover

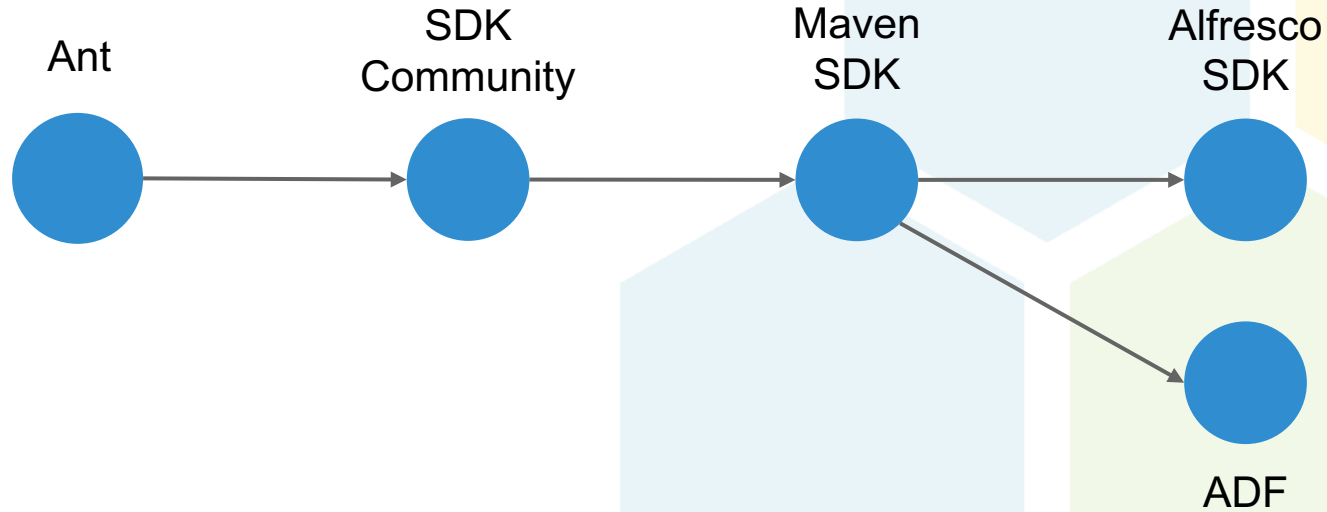
- What is ADF?
- The benefits of ADF in Alfresco architectures
- ADF at Ixxus
- Our Experience
- What does the future hold?



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What is ADF?

# Evolution of Alfresco Development



# Alfresco Development Framework

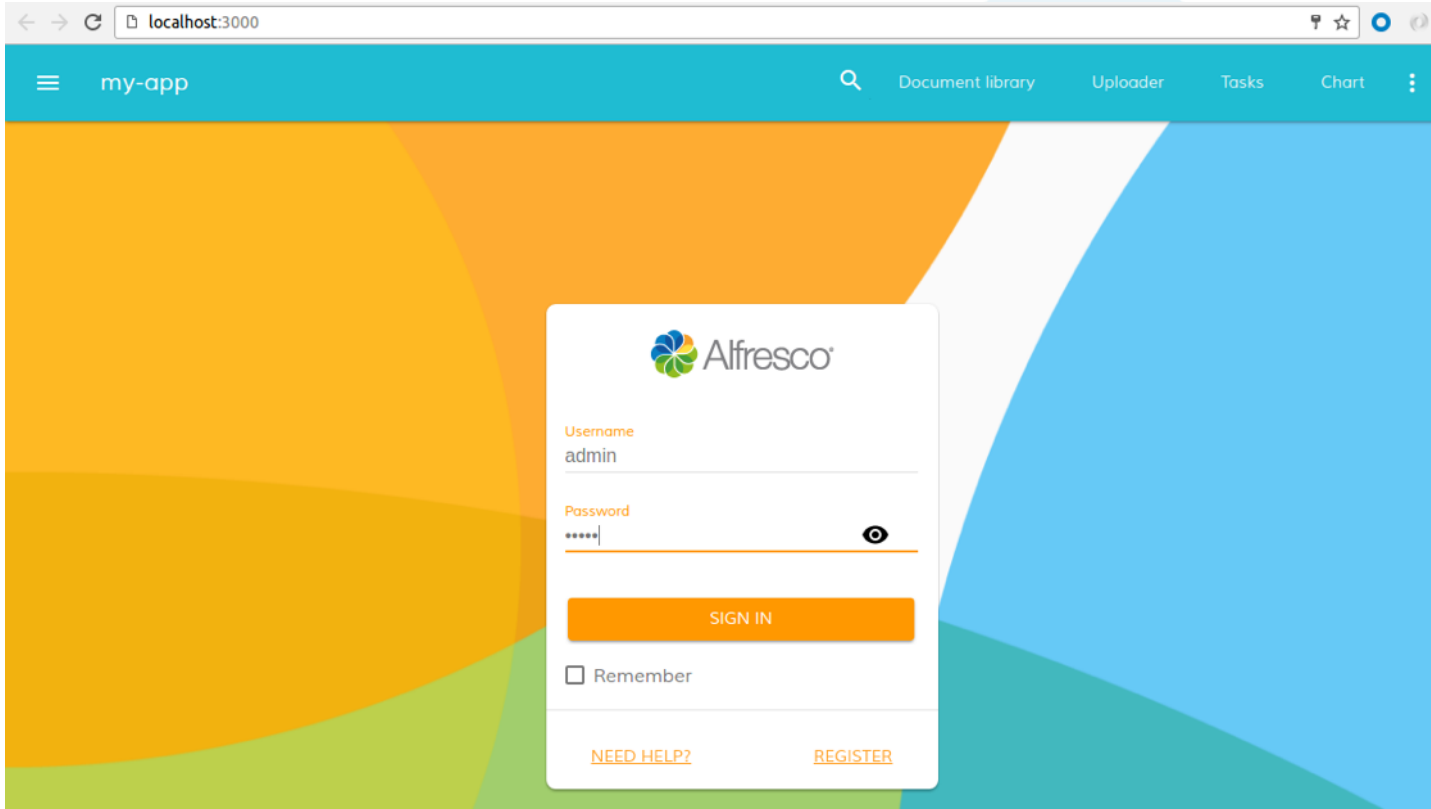


YEOMAN

# Alfresco Development Framework



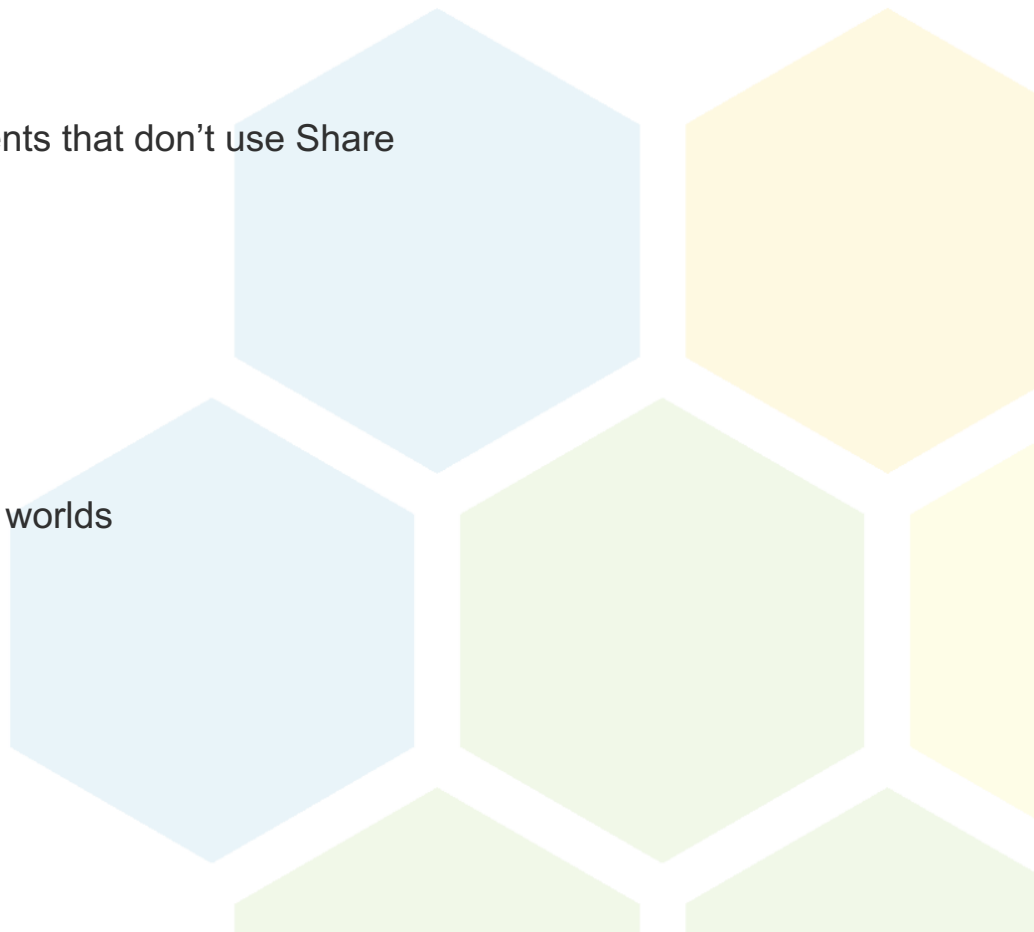
# Alfresco Development Framework





# Why ADF?

- Rapid Application Development in environments that don't use Share
- Freedom of development
- Focused User Experience
- Responsive Design
- Integrate with Alfresco Share for best of both worlds



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ADF at Ixxus

# All In One Edit

*“Bring efficiency to content creation and manual enrichment tasks in an editorial workflow by being able to read / edit content and metadata in one single interface.”*

Type: \*

Article

Headline: \*

Clown Fish

Authors:



× George Washington

1

Summary:

Clownfish or anemonefish are fishes from the subfamily Amphiprioninae in the family Pomacentridae. Thirty species are recognized: one in the genus *Premnas*, while the remaining are in the genus *Amphiprion*. In the wild, they all form symbiotic mutualisms with sea anemones. Depending on species, anemonefish are overall yellow, orange, or a reddish or blackish color, and many show white bars or patches. The largest can reach a length of 18 centimetres (7.1 in), while the smallest barely achieve 10 centimetres (3.9 in).

Body:

File Edit Insert View Format Table

Formats B I A A [List Icons] [Image Icon] [Link Icon]

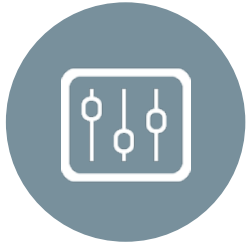
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anemonefish increases the amount of algae incorporated into the tissue of their hosts, which aids the anemone in tissue growth and regeneration.<sup>[1]</sup> It has been theorized that the anemonefish use their bright coloring to lure small fish to the anemone,<sup>[8]</sup> and that the activity of the anemonefish results in greater water circulation around the sea anemone.<sup>[9]</sup> Studies on anemonefish have found that anemonefish alter the flow of water around sea anemone tentacles by certain behaviours and movements such as "wedging" and "switching." Aeration of the host anemone tentacles allows for benefits to the metabolism of both partners, mainly by increasing anemone body size and both anemonefish and anemone respiration.<sup>[10]</sup>



# Requirements



Configurable



User Friendly

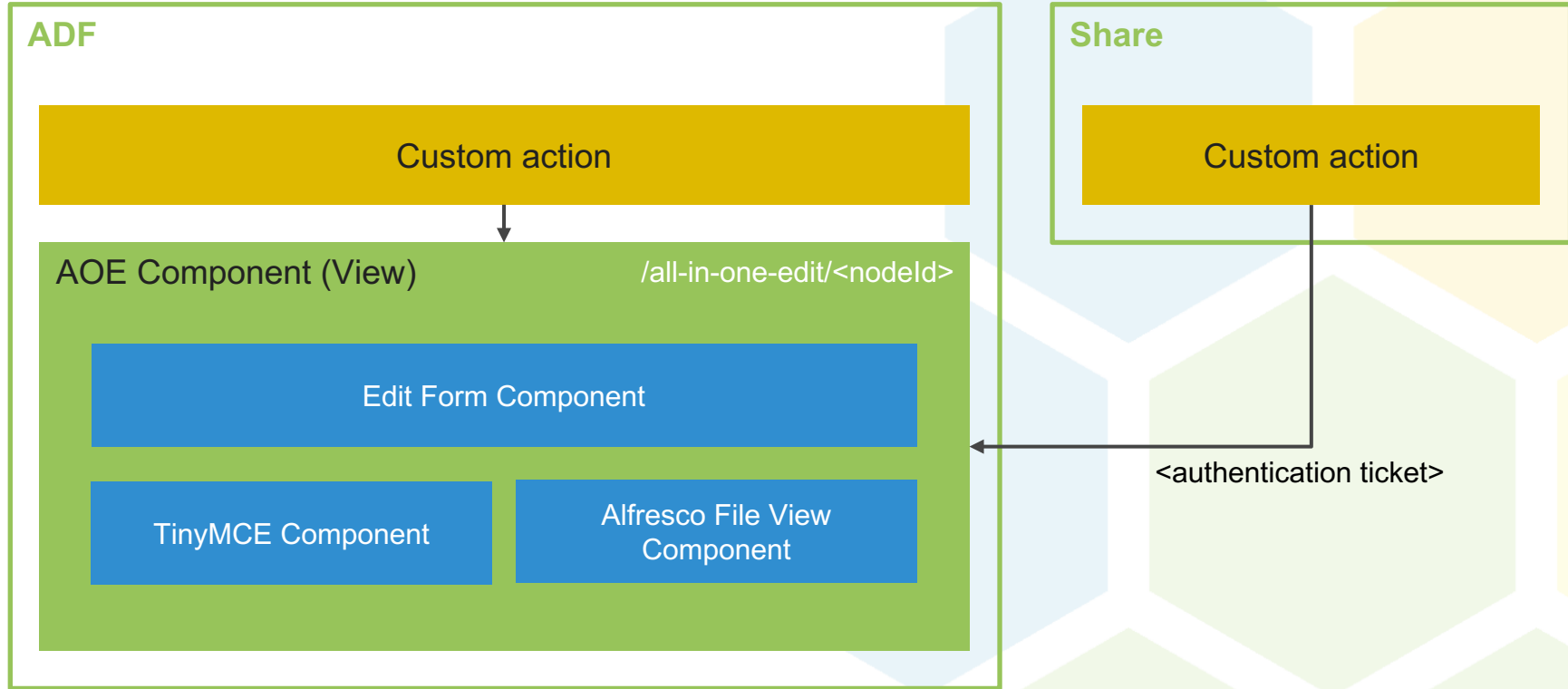


Easy to Deploy

How?



# Architecture



# Prepare Environment

- Alfresco 5.2+ / 201609 EA+
- Install enablecors module for Activiti and Alfresco
- Activiti 1.5.2.1+
- Update default Activiti username and password
- Node.js (5.x.x / npm 3.x.x)



Alfresco™



Activiti™



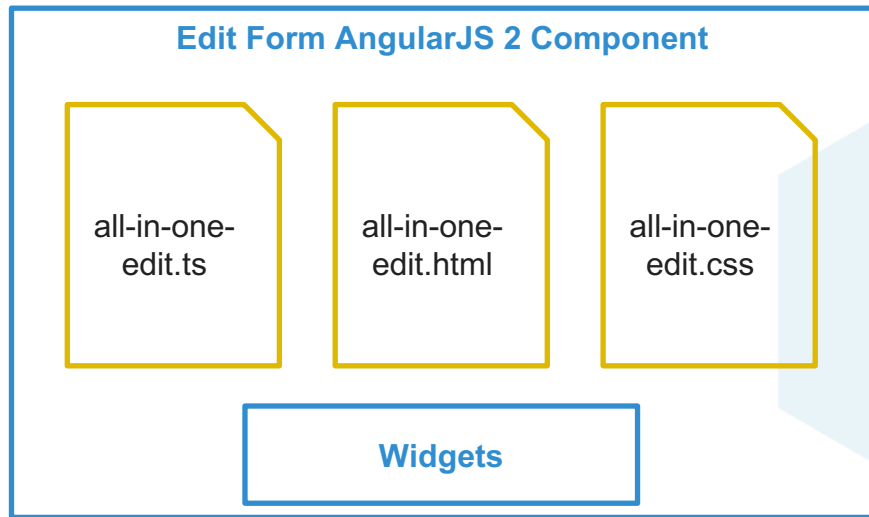
# Generate ADF app

```
$> docker-compose up  
  
$> n 6.9.2  
  
$> npm install -g yo  
  
$> npm install -g generator-ng2-alfresco-app  
  
$> yo ng2-alfresco-app  
  
$> npm install  
  
$> npm start
```



# Create Edit Form Component

- Based on Activiti Forms component
- Configurable

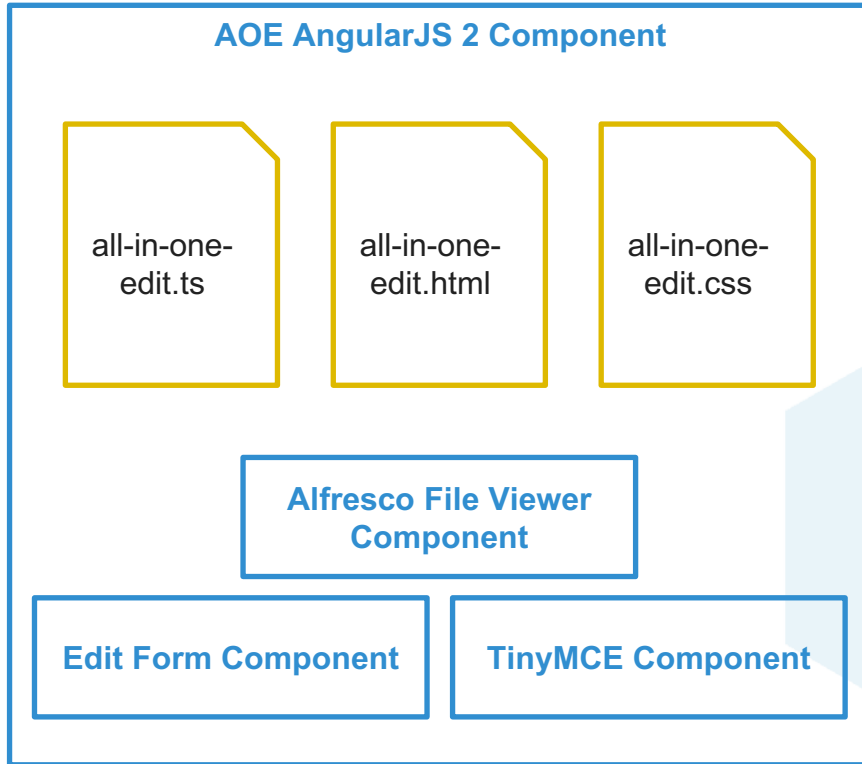


# Edit Form Component Config

```
[{
  "id": 1013,
  "name": "pt:article",
  "formDefinition": {
    "fields": [{
      "fieldType": "ContainerRepresentation",
      "id": "1470062843702",
      "type": "container",
      "numberOfColumns": 2,
      "fields": {
        "1": [{
          "fieldType": "FormFieldRepresentation",
          "id": "title",
          "propertyName": "cm:title",
          "name": "Title",
          "type": "text",
          "value": null,
```

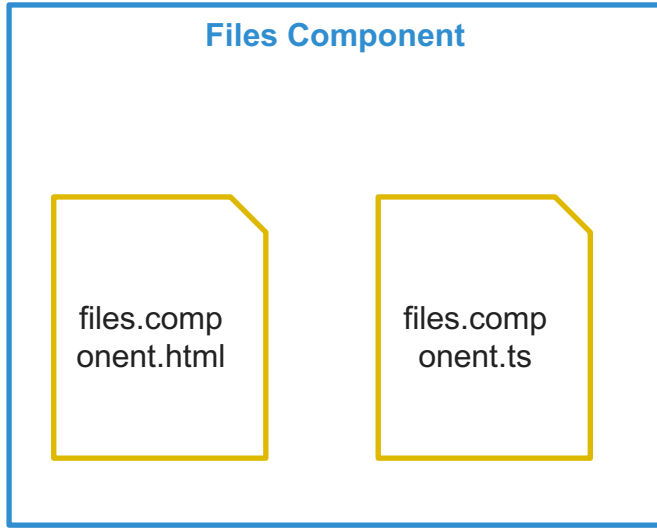
```
      "required": true,
      "readOnly": false,
      [ ... ]
    }],
    "2": [{
      "fieldType": "FormFieldRepresentation",
      "id": "nativeAd",
      "propertyName": "pt:nativeAd",
      "name": "Native Advertising/Marketing",
      "type": "checkbox",
      [ ... ]
    }
  ]
}
```

# Create AOE Component (View)



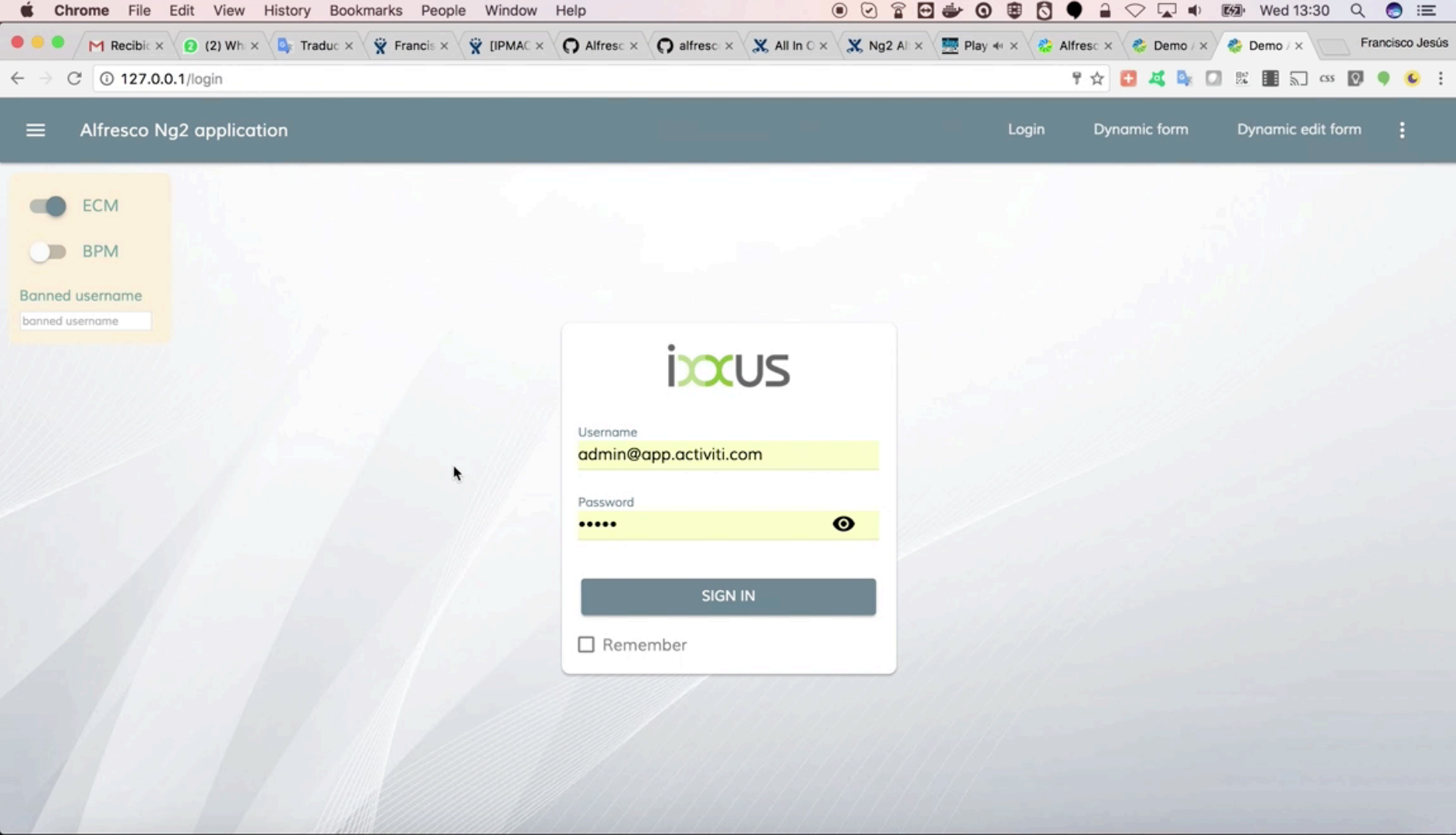
# Add AOE Action

- Update Files Component to add new Action





Result



Alfresco Ng2 application

Login

Dynamic form

Dynamic edit form



ECM



BPM

Banned username

banned username



Username

admin@app.activiti.com


Password

•••••



SIGN IN

☐ Remember

- Select  + Create...   Upload Selected Items...    Name  Options 

folder

Created 15 days ago by Fran Bernal

Category	Value
No Description	

★ Favorite | 👍 Like 0 | 💬 Comment

AlfrescoAPIReference-v1.0.pdf

Modified 21 hours ago by Fran Bernal 205 KB

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Let's reflect...



# Our Experience




- ✓ Low learning curve for AngularJS developers
- ✓ Flexible
- ✓ Quickly create an Alfresco application
- ✓ Open Source



- Needs more components
- Not available for older Alfresco / Activiti versions

# What does the future hold?

- Bringing the full-fledged AOE experience to ADF:
    - Convert TinyMCE component to a form widget for inline placement and one-click editing
    - Alfresco File Viewer inline
    - Support more view and editing formats
    - More components
  - Get more Ixxus modules on the ADF bandwagon
  - What about integrating Angular 2 code in Share?
- 



# Speaker contacts



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