



BeeCon 2016

# Accelerate your Alfresco development using Yeoman

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# Plan

- Install Java & Maven
- Install Node
- Install Yeoman
- Install generator-alfresco
- Scaffold a project w/ external AMPs
- Run the project





# Project Home

## Full URL

- <https://github.com/binduwavell/generator-alfresco>

## Short Version

- <http://bit.ly/genalfgh>





# A couple fallback plans

## Cloud IDE

- <http://bit.ly/yoalfce> (Cloud IDE)

## Docker Image (2G)

- <https://hub.docker.com/r/binduwavell/codenvy4-alfresco-generator-community/>





# Java & Maven

- <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
- <https://maven.apache.org/download.cgi>

## Mac

- brew cask install java
- brew install maven





# Node JS

- <https://nodejs.org/en/download/>

Mac

- `brew install node`



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# Yeoman & generator-alfresco

- `npm install -g yo`
- `npm install -g binduwavell/generator-alfresco`



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# Before we scaffold a project

Remember `--help` is your friend

- `yo --help`
- `yo alfresco --help`
- `yo alfresco:amp --help`
- `yo alfresco:model --help`
- `yo alfresco:action --help`
- `yo alfresco:behavior --help`
- `yo alfresco:webscript --help`







# Requirements

- Create a project for your support system with:
- a custom model for tickets
- an action integrating a sentiment analysis API
- a behavior to trigger action on tickets
- WebScripts for Create, Read, Update, Delete and List
- Make JS Console & Uploader Plus available





# Scaffold a project

Create a project (ideally start in an empty project dir, if you forget, no worries we can handle it for you.)

- `yo alfresco`
- `yo alfresco:amp`
- `yo alfresco:model`
- `yo alfresco:action`
- `yo alfresco:behavior`
- `yo alfresco:webscript`





# Project, Uploader Plus & JS Console

- yo alfresco # currently no options available
- From TODO.md:
  - yo alfresco:amp -A remote -w repo -g com.softwareloop -a uploader-plus-repo -v 1.2
  - yo alfresco:amp -A remote -w share -g com.softwareloop -a uploader-plus-surf -v 1.2
- Copy JavaScript Console amps to ./amps and ./amps\_share
  - <http://bit.ly/jsconsolegd>
  - yo alfresco:amp -A local -p amps/javascript-console-repo-0.6.0.amp -g org.shareextras -a javascript-console-repo -v 0.6.0
  - yo alfresco:amp -A local -p amps\_share/javascript-console-share-0.6.0.amp -g org.shareextras -a javascript-console-share -v 0.6.0



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# Project, AMP and model

- `yo alfresco:amp -A source -w both -g com.ziaconsulting -a support -v 1.0.0-SNAPSHOT -R -p -m -s -n -d -N -D`
- `yo alfresco:model -m customizations/support-parent/support-repo-amp -n support -d "Model for support system" -a "Your Name" -v 1.0 -u http://www.ziaconsulting.com/model/1.0 -p ss`





# Action & behavior

- `yo alfresco:action -m customizations/support-parent/support-repo-amp -n "Sentiment Analysis" -p "com.ziaconsulting.actions" -d "Integration with sentiment analysis API for tickets"`
- `yo alfresco:behavior -m customizations/support-parent/support-repo-amp -c SupportEventHandler -p com.ziaconsulting.behaviors`





# List WebScript

- `yo alfresco:webscript -m customizations/  
support-parent/support-repo-amp -i tickets -p  
com.ziaconsulting.support -l javascript -M get  
-t json -k -s "List tickets" -d "List tickets" -u /  
tickets -f any -F json -a user -r -T none -A  
readonly -B -l -C -n json=application/json -L  
sample -U false -g -q -S`





# CRUD WebScripts

- `yo alfresco:webscript -m customizations/  
support-parent/support-repo-amp -i ticket -p  
com.ziaconsulting.support -l javascript -M  
get,post,put,delete -t json -k -s "CRUD ticket" -  
d "CRUD ticket" -u "/ticket/{id}" -f any -F json -  
a user -r -T requiresnew -A readwrite -B -l -C -  
n json=application/json -L sample -U false -g  
"id=ticket identifier" -q -S`





# Run your project

## Mac & Linux

- `./run.sh`
- `./run-without-springloaded.sh`
- `./scripts/debug.sh`

## Windows (no spring-loaded)

- `run.bat`

