​Introduction

This document lists steps required to create ajvod war file (**aljazeera-vod.war**) for deployment.

Installation

Following sections list installations + war file creation process.

Create folders

Create following folders

C:\ajvod

\sdk

\src

Install software

Install following software at c:\ajvod\sdk. If you have access to **\\02-tan-02\e$\ajvod\tools​** all the necessary software are available there.

1. Visual Studio 2012
2. apache-tomcat-7.0.54.exe
3. Git-1.9.4-preview20140611.exe
4. jdk-8u5-windows-x64.exe
5. msysgitVS.exe
6. apache-maven-3.1.1-bin.zip
7. node-v0.10.29-x64.msi
8. rubyinstaller-2.0.0-p481-x64.exe
9. SassyStudio.vsix
10. Tvl.VisualStudio.Language.Java.vsix
11. VS2012.4.exe

Note:

* Unzip apache-maven-3.1.1-bin.zip under C:\ajvod​\sdk to install Maven.
* Remove all spaces from path. e.g. Tomcat 7.0 should better be tomcat7
* Install tomcat at port 9080. Similarly replace the first '8' with '9' for other ports. e.g. 8080 to 9080. Set up Tomcat admin user name as 'sa' and password as 'sa'
* You could configure Tomcat using http://localhost:9080/
* You could configure aj-vod website using http://localhost:9080/manager/html. See deployment steps below.
* Use tomcat7\bin\Tomcat7w.exe to start and stop tomcat server. Use netstat -anp tcp | find "9080"​ to see if Tomcat is running at specified port.

Download source code

Create a account at https://github.com using your aljazeera email. Ask ajvod source control admin to give access to ajvod code repository at https://github.com/aljazeera/AJVOD. Go to folder c:\ajvod\src, right click and select Git Bash. Enter following git commands in console window to clone code

$ **git init**

$ **git clone https://github.com/aljazeera/AJVOD.git ​**

Setup environment varaibles

Open control panel to System cpl.

C:\> **control.exe sysdm.cpl,System,3**

Now set User variable for <user name>. Make sure correct drive is used in path, following has C:\

**JAVA\_HOME =C:\ajvod\sdk\Java\jdk1.8.0\_05**

**M2\_HOME = C:\ajvod\sdk\apache-maven-3.1.1**

**M2 = %M2\_HOME%\bin**

**PATH=%M2%;%JAVA\_HOME%\bin;%PATH%;**

Install node modules

Go to folder **Front-End Source**

**C:\>cd E:\ajvod\src\AJVOD\Front-End Source**

**npm install**

**gem install sass**

Compile front-end code

**C:\>​grunt**​

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**Done, without errors.**

Copy front-end dist

Copy dist folder under Front-End Source\dist to Back-End Source\front-end

**C:\>xcopy E:\ajvod\src\AJVOD\Front-End Source\dist E:\ajvod\src\AJVOD\Back-End Source\front-end /e**

Create war using maven

Go toE:\ajvod\src\AJVOD\Back-End Source and run following command:

**C:\>mvn package**

Copy war file

Copy Back-End Source\taget\aljazeera-vod.war to E:\ajvod\sdk\tomcat7\webapps. Tomcat 7 will automatically unzip and create a web-app by the name aljazeera-vod​.

Set aljazeera-vod as Default web app

To make aj-vod web-app be accessiable from url http://localhost:9080/ and ROOT app http://localhost:9080/ROOT, follow steps below.

1. Find a file Server.xml under tomcat folder \sdk\tomcat7\conf
2. Find a <Host> tag
3. Copy-paste **<Context​>** section below in bold under <Host>

      <Host name="localhost"  appBase="webapps" unpackWARs="true" autoDeploy="true">

**<Context path="" docBase="aljazeera-vod">**

**<WatchedResource>WEB-INF/web.xml</WatchedResource>**

**</Context>**

**<Context path="/ROOT" docBase="ROOT">**

**<WatchedResource>WEB-INF/web.xml</WatchedResource>**

**</Context>**

Open site in browser

Locate Tomact server url for site and open url e.g. http://localhost:9080/​ and /ROOT to access Tomcat admin website. Note that Tomcat is case sensitive, there root is different as compared to ROOT.