**OpenCGA 빌드 – Linux**

1. Opencga 다운로드

git clone -b release-1.0.0-final <https://github.com/opencb/opencga.git>

1. Cellbase 3.2.0.2 다운로드

<https://github.com/opencb/cellbase.git> 에서 다운로드

unzip 하기

1. Bierapp 다운로드

bierapp : git clone <https://gitlab.com/ichthys/ichthys-bierapp-lib.git>

다운로드

<과정>

1. Opencga/pom.xml 열기

Profiles 아래

<OPENCGA.INSTALLATION.DIR>/home/open/opencga/build</OPENCGA.INSTALLATION.DIR>

<OPENCGA.USER.WORKSPACE>/home/open/opencga/build/sessions</OPENCGA.USER.WORKSPACE>

<OPENCGA.JOBS.DIR>${OPENCGA.USER.WORKSPACE}/jobs</OPENCGA.JOBS.DIR>

<OPENCGA.DB.PREFIX>opencga</OPENCGA.DB.PREFIX>

<OPENCGA.EXECUTION.MODE>LOCAL</OPENCGA.EXECUTION.MODE>

* 파란색 부분 경로 바꿔주기

가장 아래

<!-- cellbase -->

<OPENCGA.CELLBASE.VERSION>v3</OPENCGA.CELLBASE.VERSION>

<OPENCGA.CELLBASE.REST.HOST>http://localhost:8080/cellbase/</OPENCGA.CELLBASE.REST.HOST>

<OPENCGA.CELLBASE.DB.HOST>localhost:27017</OPENCGA.CELLBASE.DB.HOST>

<OPENCGA.CELLBASE.DB.USER></OPENCGA.CELLBASE.DB.USER>

<OPENCGA.CELLBASE.DB.PASSWORD></OPENCGA.CELLBASE.DB.PASSWORD>

<OPENCGA.CELLBASE.DB.AUTHENTICATION\_DATABASE></OPENCGA.CELLBASE.DB.AUTHENTICATION\_DATABASE>

<OPENCGA.CELLBASE.DB.READ\_PREFERENCE>secondaryPreferred</OPENCGA.CELLBASE.DB.READ\_PREFERENCE>

* 파란 부분 저렇게 바꿔주기

1. /opencag 최상위 폴더에서

#mvn clean install -DskipTests

1. Cellbase로 이동해서 pom.xml 열기

profiles안에

<profile>

<id>localhost</id>

<activation>

<activeByDefault>true</activeByDefault>

</activation>

<properties>

<CELLBASE.DB.HOST>localhost</CELLBASE.DB.HOST>

<CELLBASE.DB.PORT>27017</CELLBASE.DB.PORT>

<CELLBASE.DB.USER></CELLBASE.DB.USER>

<CELLBASE.DB.PASSWORD></CELLBASE.DB.PASSWORD>

<CELLBASE.DB.MONGODB.AUTHENTICATIONDATABASE>admin</CELLBASE.DB.MONGODB.AUTHENTICATIONDATABASE>

<CELLBASE.DB.MONGODB.READPREFERENCE>nearest</CELLBASE.DB.MONGODB.READPREFERENCE>

<CELLBASE.VERSION>v3</CELLBASE.VERSION>

<CELLBASE.ENSEMBL.LIBS>/home/imedina/apis/ensembl/api\_79</CELLBASE.ENSEMBL.LIBS>

</properties>

</profile>

* 파란색 전체 추가
* Cellbase 최상위 폴더에서 #mvn clean install -DskipTests

1. Tomcat 돌리기

<https://www.mkyong.com/intellij/intellij-idea-run-debug-web-application-on-tomcat/>

인텔리제이에서 이 과정 그대로

deployment에서 오른쪽 Application Context에 /opencga-1.0.0 해줘야 웹서비스에서

swagger 동작