# Multi-Modules

Thursday, June 7, 2018 9:40 PM

Large Software Application F Multiple modules

| Multiple modules
| Hultiple feams
| Laifterent modules
| Same application

Demos team

- Demo. jar

- Demo team builds new jar

- Inform every time when the

- Code is updated

- Demo 2 have to update Pom. xml

- Demo 2 have to update Demo. jar

- to get the latest Demo. jar

Snapshot

- Special Nersion

Findicate Current development

Maven checks for new snapshot version

in a remote repository for every build

- -> 1st class Multi-module support
- -> fach Mavien project creates | Primary artifact.
- -> To define a Parent POM.XML Frackaging is changed to POM

Frackaging is changed to Turi

Feferences to Child are ginen

Zmodule > Child I </module >

-) In case of modules having dependencies

and to form a build order

The child's should include a parent

tag

L'Iluis way the parent reads the

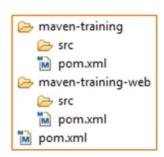
Child Pom and Creaters a

Build order

-> TO build only one module

L mvn clean -pl <module name>

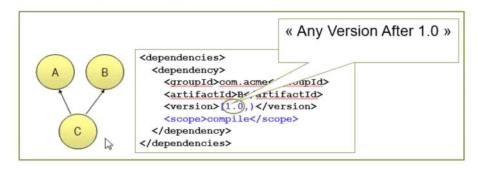
# \$ <u>mvn</u> clean <u>-pl</u> <<u>modulename</u>>

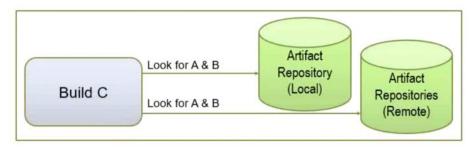


### Multi Modules ...

```
oject>
<parent>
  <groupId>EBU</groupId>
   <artifactId>Parent-module</artifactId>
   <version>1.0-SNAPSHOT</version>
</parent>
<groupId>EBU</groupId>
<artifactId>child-jar</artifactId>
<version>1.0-SNAPSHOT
<packaging>jar</packaging>
</project>
ct>
<parent>
   <groupId>EBU</groupId>
   <artifactId>Parent-module</artifactId>
   <version>1.0-SNAPSHOT
</parent>
<groupId>EBU</groupId>
<artifactId>child-war</artifactId>
<version>1.0-SNAPSHOT</version>
<packaging>jar</packaging>
</project>
```

## **Dependency Management**





## **Transitive Dependencies**

- Transitive Dependency Definition:
  - A dependency that should be included when declaring project itself is a dependency
- ProjectA depends on ProjectB
- If <u>ProjectC</u> depends on <u>ProjectA</u> then <u>ProjectB</u> is automatically included
- Only compile and runtime scopes are transitive

