

1. Purpose of the Core Module in AEM:

The core module is where we keep the Java code that helps in making our website work. It is like the brain of AEM that talks to the front-end.

2. Files and Code in the Core Folder:

- Java files
- Some helper files
- Random services

3. Role of ui.apps in AEM Projects:

ui.apps is used to store all the designs and components that we can see on the website. It is where we keep the buttons, text areas, and images.

4.Component Structure in ui.apps:

/apps/<project>/components

5. Hello World Component:

Hello World Location:

Core: /core/src/main/java/<package>/HelloWorld.java

ui.apps: /apps/<project>/components/hello-world

6. Java Class (Core):

It says "Hello World" and that's it
just returns a message.

7.HTL Script (ui.apps):

Prints the message from the Java class.

Uses \$ to show the text.

8.Properties and Dialogs:

We can add fields like name or age using dialogs.

These appear in the page editor.

9.Different Types of AEM Modules:

- core: Java files
- ui.apps: Design stuff
- ui.content: Some extra pages

10. Maven Build in AEM:

Maven combines everything and makes it into a file to upload into AEM.

11.Maven Build Lifecycle in AEM:

build - install - finish

12.Dependencies in pom.xml:

Just a list of extra things the project needs.

13.Why Maven over other tools:

Everyone uses it in AEM.

Easy to manage.

14.Maven Advantages for AEM

Helps to build the project automatically.

Maven builds the AEM project with just one command. No need to do everything manually.

15.Managing Dependencies and Plugins:

We write the names in pom.xml, and Maven gets them.

16.mvn clean install in AEM:

Cleans old files and makes new files for AEM.

17.Deploy Packages to AEM using Maven:

mvn install does everything.

18.Purpose of Maven Profiles in AEM:

Installs things automatically.

Does something similar.

19.Purpose of dumplib in AEM:

Checks what scripts (CSS/JS) are on the page.

20.View Client Libraries via dumplib:

Go to <http://localhost:4502/libs/granite/ui/content/dumplib.html>

21.Client Libraries Structure in AEM:

Stored in /apps/<project>/clientlibs

Contains JS, CSS, and other files.