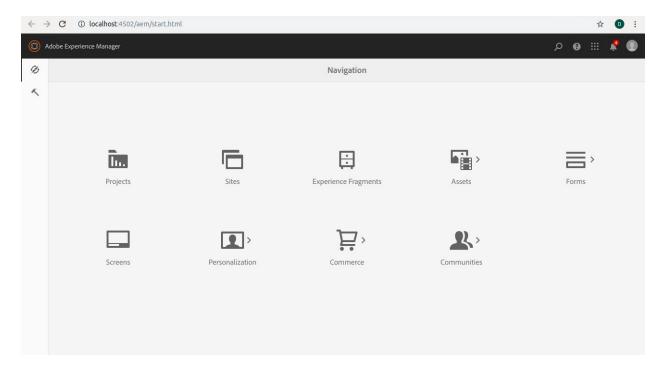
Introduction to AEM

Q.1. Open AEM in debug mode.



Q.2. How to identify if AEM is Publish or Author?

We can run the following command to identify the current instance we are running.

<%

pageContext.setAttribute("runModes",
sling.getService(SlingSettingsService.class).getRunModes().toString());

%>

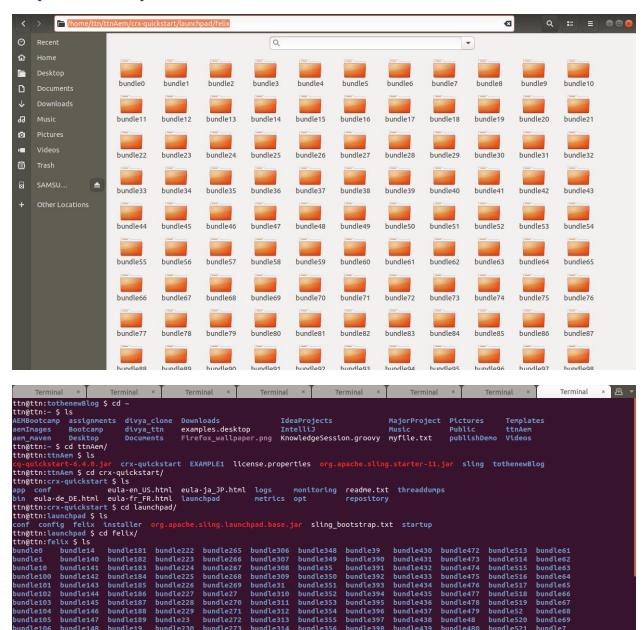
Also, we can check it using run modes as shown below:

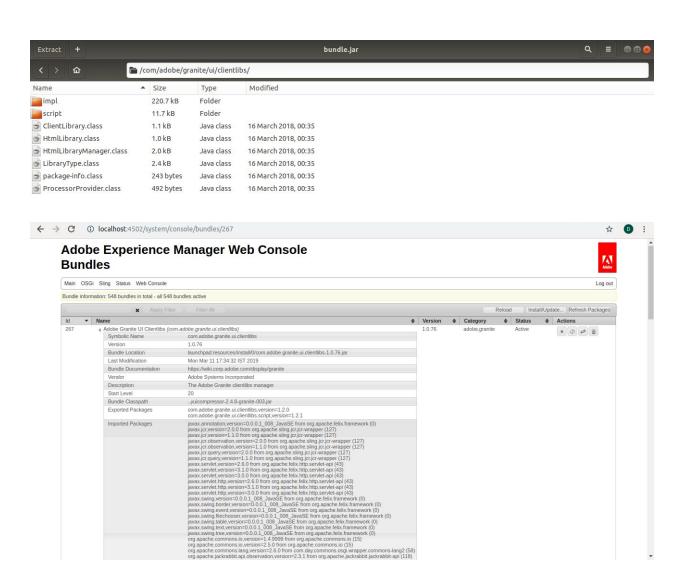


Q.3. Where are all the bundles installed in AEM resides in system? Search for bundle "com.adobe.granite.ui.clientlibs" and decompile it.

All Bundles in AEM reside in:

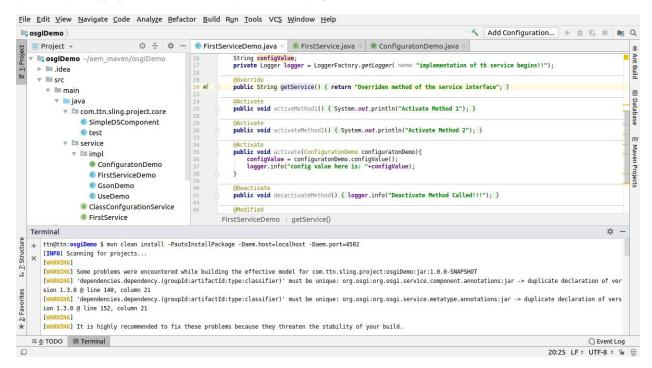
crx-quickstart/launchpad/felix

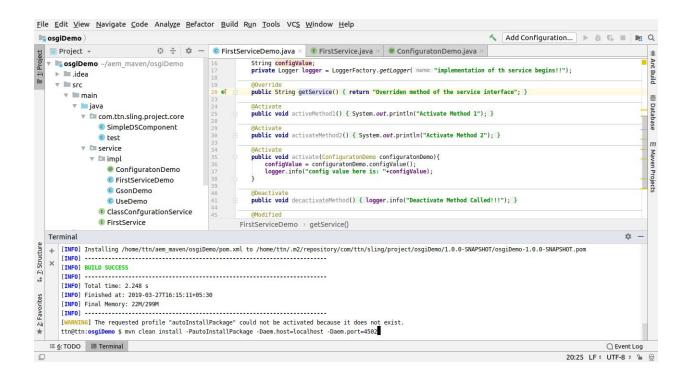


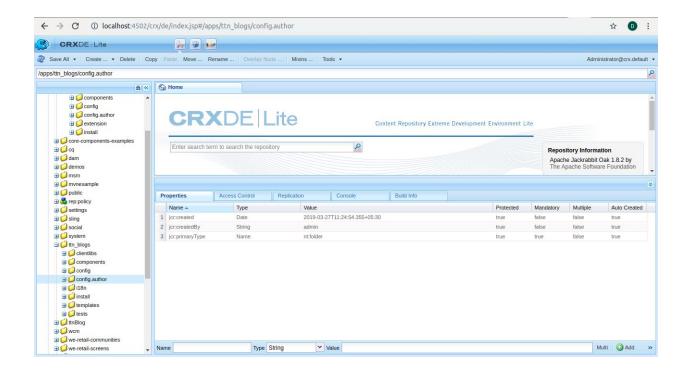


Q. 4. How can we specify in the command line the 'port' and 'host' while installing the project.

java -jar cq-quickstart-6.4.0.jar -debug (portNo).







Q. 5. Why do we specify SNAPSHot in the project version?

A large software application generally consists of multiple modules and it is common scenario where multiple teams are working on different modules of the same application. For example, consider a team is working on the front end of the application as app-ui project (app-ui.jar:1.0) and they are using data-service project (data-service.jar:1.0).

Now it may happen that team working on data-service is undergoing bug fixing or enhancements at a rapid pace and they are releasing the library to remote repository almost every other day.

Now if data-service team uploads a new version every other day, then the following problems will arise –

- data-service team should tell app-ui team every time they have released an updated code.
- app-ui team required to update their pom.xml regularly to get the updated version.

To handle such kind of situation, SNAPSHOT concept comes into play. **Snapshot** is a special version which indicates the current development copy of the project which is being worked on. For each build, maven always checks out for a SNAPSHOT of the project. Hence, whenever maven finds a newer SNAPSHOT of the project, it downloads and replaces the older .jar file of the project in the local repository.Snapshot version always gets some updates/changes being made on the project. Also, Snapshot should exist only during development phase and it will not be having a release version. This implies that the build of the project will be changed at any time and it is still under the development process.

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