Aem Project Generate From Scratch

1. Firstly, install and set up Java 11, Node or npm and Maven on your system.

2. Node version 12 and npm version 6.14.8 are specified. These versions may change according to your project requirements.

3. Now set up your instance which has an author and a license file.

4. Then, after that, navigate to the instance path and run the command `java -jar <author_file_name>` in the command prompt.

   https://medium.com/@toimrank/setup-an-aem-instance-chapter1-c71366f430c9

   https://www.coforge.com/blog/aem-6.5-on-prem-setup-guide

5. Then log in, and open CRXDE. Here, the default project is shown in the "apps" folder.

6. Now, if you want to add your own project, you need to generate it from an archetype.

7. Add service package also in the package manager because Service packages are a fundamental component of managing configurations and permissions in AEM, providing a structured approach to deployment, version control, backup, and compliance management.
   You can go through the link below to review and check.

   https://experienceleague.adobe.com/en/docs/experience-manager-65/content/sites/administering/contentmanagement/package-manager

   https://webfuse.in/blogs/how-to-install-a-service-pack-in-aem/

8. Now, to generate an AEM project, create an empty folder and open the command prompt. Then, enter the archetype command.

mvn -B archetype:generate -D archetypeGroupId=com.adobe.aem -D archetypeArtifactId=aem-project-archetype -D archetypeVersion=30 -D appTitle="My Site" -D appId="mysite" -D groupId="com.mysite" -DfrontendModule=general -DincludeDispatcherConfig=n -DlanguageCountry="en_us" -D artifactId="my-site" -D version="0.0.1-SNAPSHOT" -D aemVersion="6.5.10"

Also, you can access this link for reference.

https://github.com/adobe/aem-project-archetype
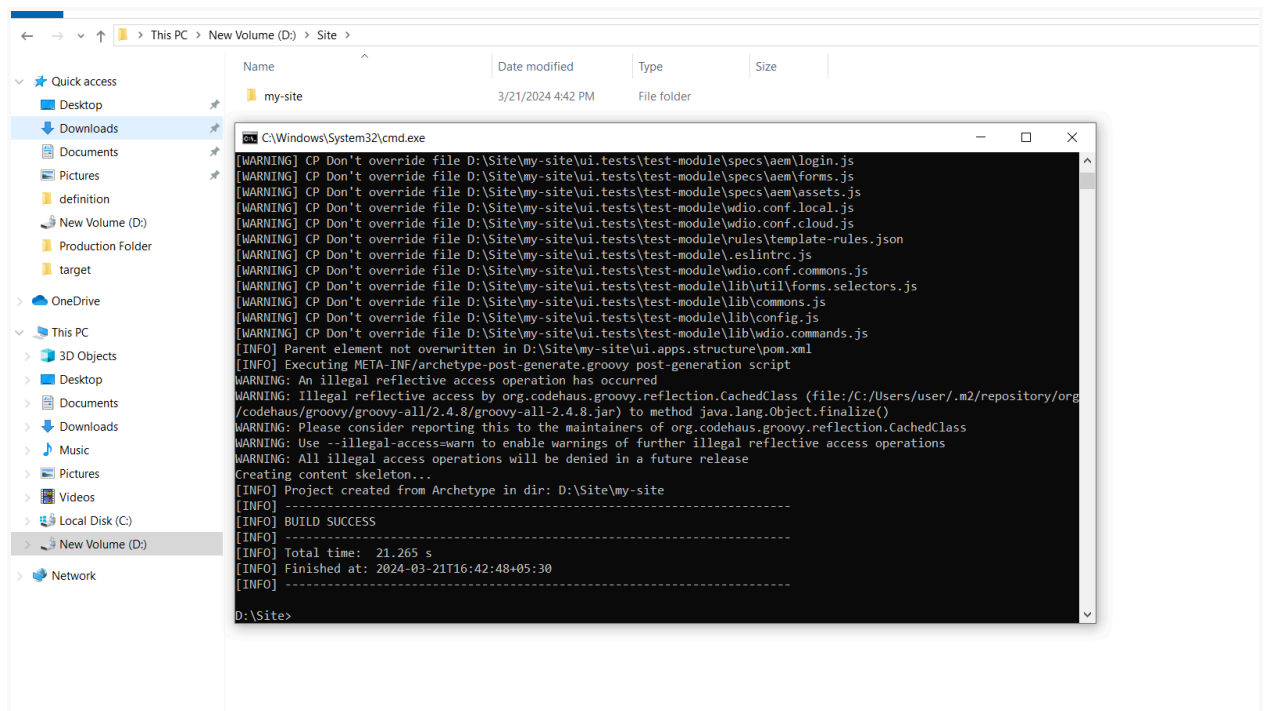
Here, if the project builds successfully, it will install correctly. If the build fails, it will show some errors.

Mainly, the error that occurs is a Groovy error. You can change its version to 2.4.8 in the file located at the specified path. After making the change, save the file and then run the archetype command again.

.m2/repository/org/apache/maven/archetype/archetype-common/3.2.1/archetype-
common-3.2.1.pom

Also, you can access this link for reference.

https://experienceleaguecommunities.adobe.com/t5/adobe-experience-manager/
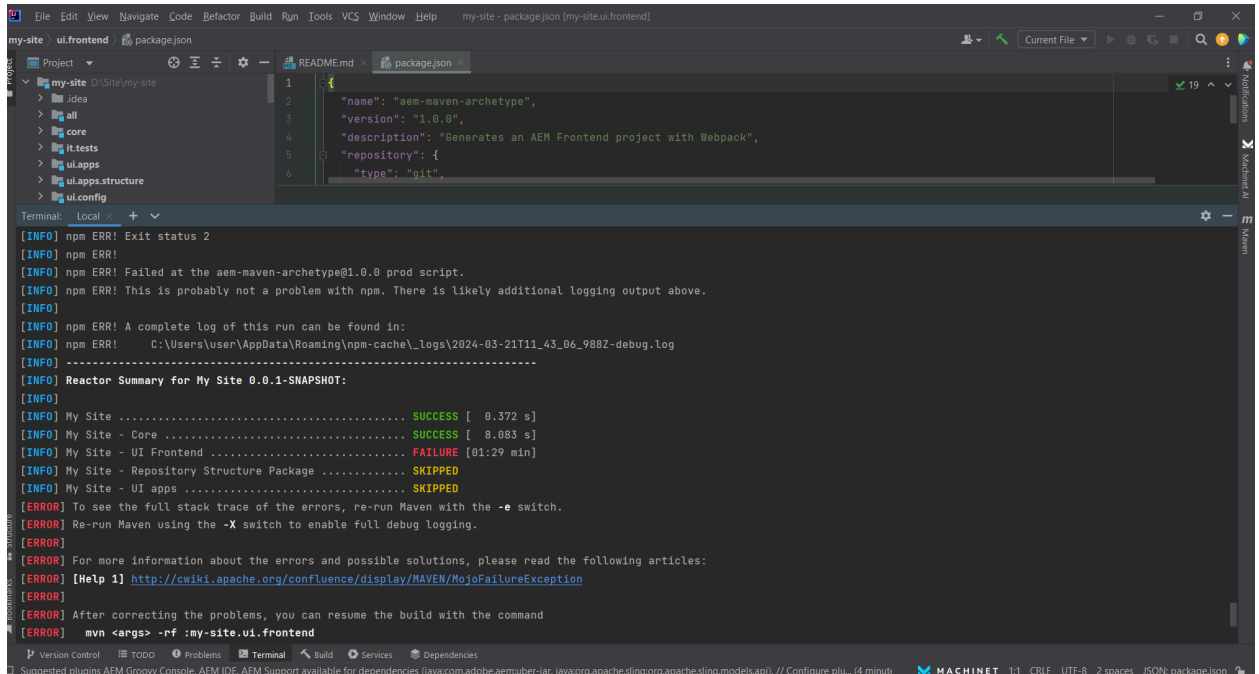error-while-building-maven-archetype-24/td-p/436094

9. Now, add the `settings.xml` file in the `.m2` directory. You can download it from the site   below and extract it.

https://experienceleague.adobe.com/en/docs/experience-cloud-kcs/kbarticles/ka-17454
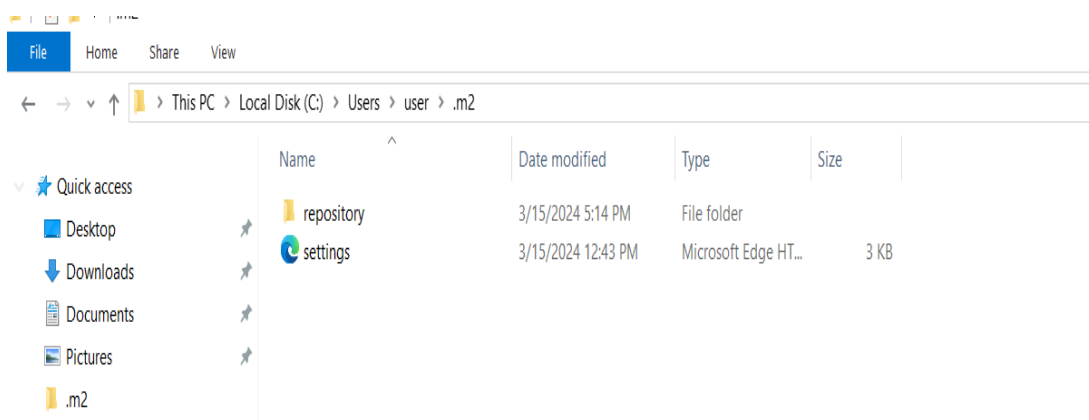
10. Now, open your IntelliJ IDEA IDE and run the project using the command:

**mvn clean install -PautoInstallPackage**

So, you encountered an error in the `ui.frontend` module.

To resolve this error, you can navigate to the `ui.frontend` module and open the `package.json` file. Update the `@types/node` version in the `devDependencies` section. For example:
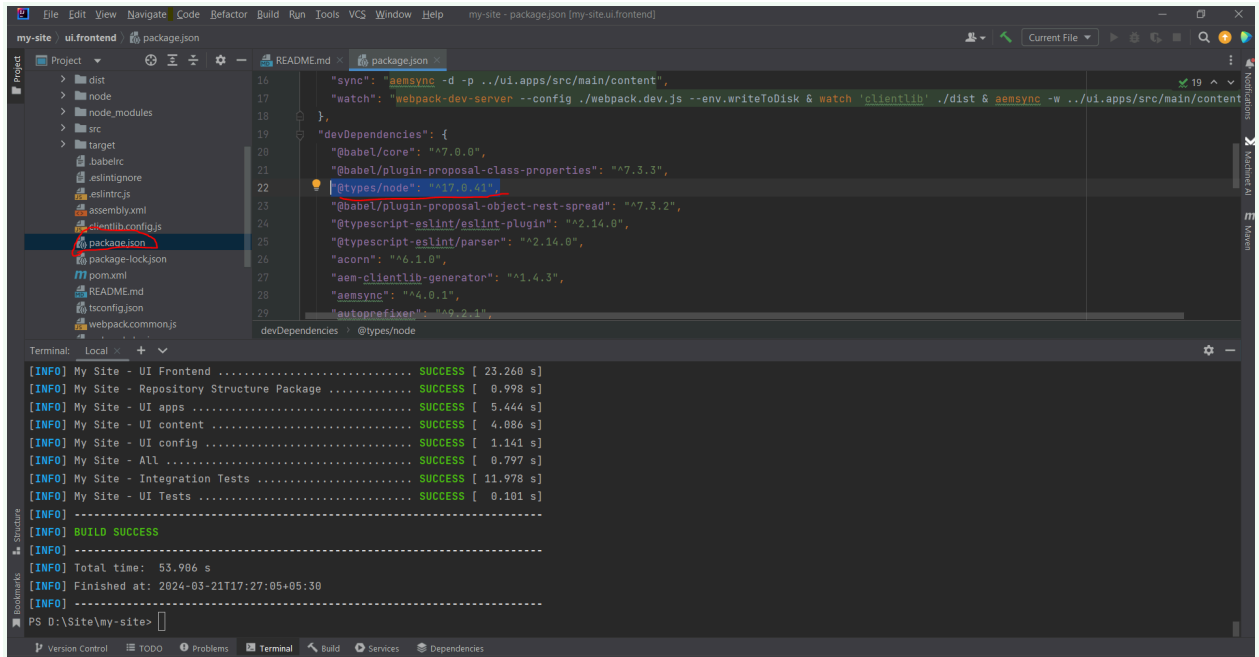
11. Now, the project has been built successfully. You can view your project in CRXDE and create your own component according to your requirements.
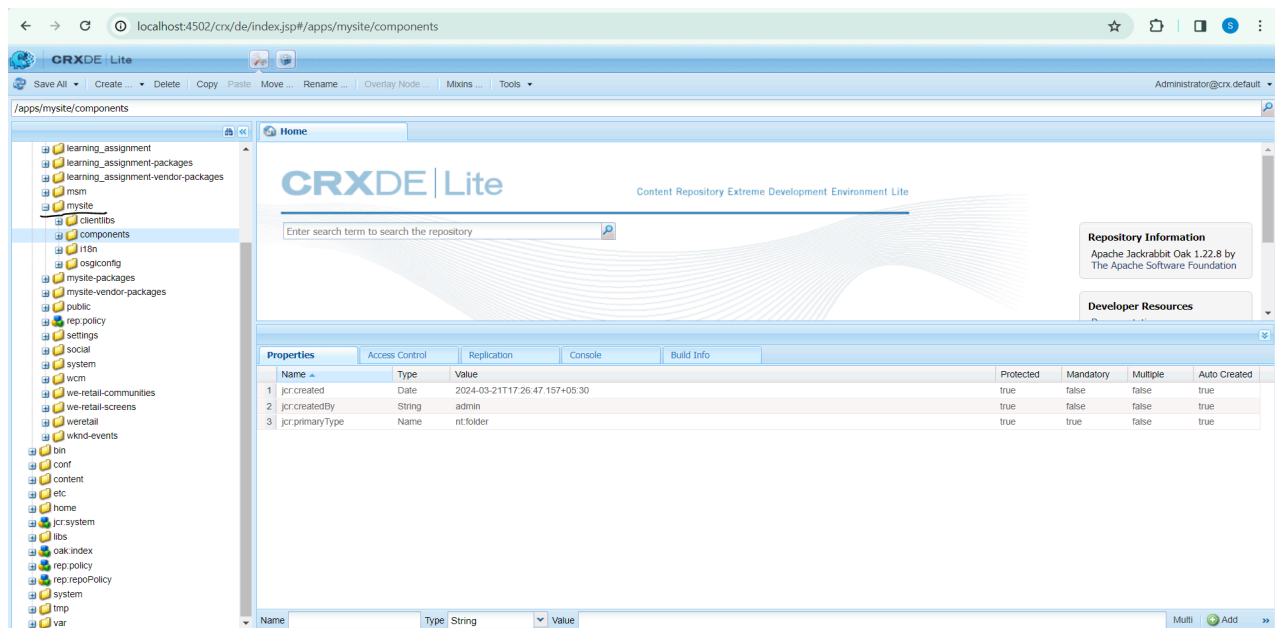
So, if you follow the above steps, you will definitely generate your own project easily. If you have any queries, feel free to ask me.

Here, I should also mention that I cannot provide any files or packages due to security reasons. If you have an AEM license, you can easily access these resources. Additionally, logging in with your Adobe ID may be helpful in accessing the aforementioned packages.

Even though I provided you with all the useful links, including those which may be beneficial to you.

Thank you!
Regards From,
Shrishti

I hope this is helpful to you,if it is then it is grateful to me.