INSTANTLINK BUILD AND SETUP NOTES

FETCH THE LATEST CODE FROM GIT

Command: git fetch Explanation: Downloads the latest changes from the remote repository without merging them.

SWITCH TO A SPECIFIC BRANCH

Command: git checkout 25.0.0 Explanation: Changes to the branch named 25.0.0 to work on that version.

CLEAN AND BUILD THE PROJECT, FORCE UPDATES

Command: mvn clean install -U Explanation: Deletes previous build files, rebuilds the project, and downloads updated dependencies.

UPDATE SYSTEM PACKAGE LIST

Command: sudo apt update Explanation: Refreshes the list of available software packages.

INSTALL REQUIRED PACKAGES

Command: sudo apt install perl ksh cpio ncompress -y Explanation: Installs the necessary tools needed for building the project.

BUILD PROJECT SKIPPING TESTS USING CUSTOM SETTINGS

Command: mvn clean -DskipTests -s settings.xml && mvn install -DskipTests -s settings.xml Explanation: Cleans and builds the project without running tests, using a specific settings file.

CREATE ALIASES FOR EASIER MAVEN COMMANDS

Command: echo 'alias mvnc="mvn clean -DskipTests -s settings.xml"' » ~/.bashrc echo 'alias mvni="mvn install -DskipTests -s settings.xml"' » ~/.bashrc Explanation: Adds shortcuts to run Maven clean and install commands with less typing.

VIEW BUILD LOG FILE

Command: less /home/suhasr/Desktop/instantlink/instantlink-install-obfuscated-jars/target/ZKM_log.txt Explanation: Opens the build log file so you can scroll through and inspect it.

SEARCH THE LOG FOR ERRORS

Command: grep -i error /home/suhasr/Desktop/instantlink/instantlink-install-obfuscated-jars/target/ZKM_log.txt Explanation: Searches the log file for any errors, ignoring case sensitivity.