SDKMAN! JVM SDK manager

CONCEPTS

SDKMAN! keeps parallel versions of JVM SDKs, called candidates (java, maven, gradle, kotlin, ...). sdk is a shell function loaded by sdkman-init.sh.

Candidate java, maven, ...
↓ install
Installed version candidates/<c>/<v>
↓ default
current link new shells
↓ use / env
This shell PATH and *_HOME

sdk use affects only this shell; sdk default moves the current symlink that new shells pick up. JAVA_HOME follows the active java.

FIND AND INSTALL

sdk list
Browse all candidates

sdk list *<sdk>*
List versions of one candidate

sdk install *<sdk>*
Install the default version

sdk install *<sdk> <version>*
Install a specific version

sdk uninstall *<sdk> <version>*
Remove an installed version

sdk update
Refresh the candidate list

SWITCH VERSIONS

sdk use *<sdk> <version>*
Use a version in this shell

sdk default *<sdk> <version>*
Set default for new shells

sdk current
Show versions in use

sdk current *<sdk>*
Show the version of one candidate

sdk home *<sdk> <version>*
Print the install path

sdk upgrade
List outdated candidates

JAVA VENDORS

sdk list java
Vendor table with identifiers

sdk install java *<version>*-tem
Install an Eclipse Temurin JDK

Identifier suffixes

Suffix	Distribution
-tem	Eclipse Temurin
-amzn	Amazon Corretto
-zulu	Azul Zulu
-librca	BellSoft Liberica
-graalce	GraalVM CE
-graal	Oracle GraalVM
-oracle	Oracle JDK
-ms	Microsoft OpenJDK

PROJECT ENV (.SDKMANRC)

sdk env init
Create .sdkmanrc with current java

sdk env
Switch to versions in .sdkmanrc

sdk env install
Install missing versions and switch

sdk env clear
Return to default versions

.sdkmanrc

```
# candidate=version, one per line
java=21.0.4-tem
maven=3.9.9
gradle=8.10
```

With sdkman_auto_env=true, cd into a folder with .sdkmanrc runs sdk env; leaving restores defaults.

MAINTENANCE

sdk version
Print script and native versions

sdk help [*<subcommand>***]**
Show help, or help for one command

sdk selfupdate
Update SDKMAN! itself

CONFIGURATION

sdk config
Edit ~/.sdkman/etc/config