Multi-project builds in Gradle

Setup

Define project structure in settings.gradle file

Subprojects are in subdirectories

Example: projectA/projectB

Subproject path uses colons for nesting

Example: projectA:projectB

Hierarchical Reuse

Parent projects can define common settings for subprojects

Use allprojects{} block for settings that include the parent and all children

Use subprojects{} block for settings that for children only

Similar to OO inheritance model

Plugins for Re-use

User defined plugins define common settings

Plugin can be imported using:

apply from: "<path to .gradle file>"

apply plugin: "<custom plugin>"

Plugins can be used ad hoc

Similar to OO aggregation

Multiple Projects in Eclipse

Use SpringSource STS Eclipse plugin

import->Gradle to load project

Creates an Eclipse project for each subproject

Build configuration settings are

Stored in Gradle files

Automatically imported into Eclipse

Gradle->"Refresh All" to reload Gradle settings

"Run As"->"Gradle Build" to execute build

STS execution is still limited