

Structure API Basics

Classes to Start With

Use ...	to ...
StructureManager and Forest	create and manipulate structures – add issues to the hierarchy, move issues within hierarchy, delete issues from the hierarchy, listen to structure events

The API uses an open source library [Integers](#), which provides primitive-type collections with `java.util`-like interfaces. When working with `Forest`, you will typically use `LongList` and `LongArray` (an implementation of `LongList`).

See [API Usage Samples](#) to get the idea how to work with those interfaces.



The dependency on the `Integers` library is added automatically when you add dependency on the API. Same goes for another dependency on the small JetBrains annotations library, that provides `@Nullable` and `@NotNull` annotations.

More Power

Use ...	to ...
StructureSynchronizer	create a new synchronizer and declare it in a Synchronizer Module
StructureSyncManager	manage synchronizers
StructureBackupManager	backup structure to a file and restore it back
ProgressCalculator	calculate progress (as shown by the Progress column in the structure widget)
StructureJobManager	schedule asynchronous jobs
IssueEventBridge	listen for aggregated issue events

Next: consider [Controlling Compatibility](#) and [Making Structure Dependency Optional](#)