



Apache Maven

Beginner to Guru

Maven Coordinates



Maven Coordinates

- Maven Coordinates are used to identify artifacts
- Together, they identify a 'location' in a Maven repository.
 - **groupId** - Typically unique to an organization. Often the organization's reverse domain is used.
But not always. Can be just 'junit'.
 - **artifactId** - typically the project name. A descriptor for the artifact
 - **version** - refers to a specific version of the project.
- **groupId** and **version** can be inherited from a parent POM.





Maven Versions

- Example - 3.2.1-987-beta
- **Major Version** - first number - 3
- **Minor Version** - second number - 2
- **Incremental Version** (patch) - third number - 1
- **Build Number** - from CI Build - 987
- **Qualifier** - String Qualifier - 'beta'
- Most common in use is just major.minor.incremental (3.2.1)





Snapshot Versions

- Example - 3.2.1-SNAPSHOT
- The SNAPSHOT suffix is an important qualifier to Maven behavior
 - Tells Maven this is a development version
 - Not stable, and Maven should check for newer versions
 - Maven will first check locally, then check remote repositories
 - By default, Maven will check remote repositories once per day
 - Option is configurable.



