

Feature Comparisons

This is a workspace for doing feature comparisons with other products. If you'd like to adjust or add a product here, please comment on the page.

Maven

Each of Maven's features needs to be compared against different products as it encompasses a number of pieces of functionality. It's also worth noting that some of these tools could be integrated into Maven via plugins.

Build Tools

Should compare Ant, Maven 1.x, Maven 2.x, make

Dependency Management

	Maven 2.x	Maven 2.x Ant Tasks	Ivy	Maven 1.x
Transitive dependencies	✓	✓	✓	✗
Dependency ranges	✓ bounded, unbounded, multiple ranges	✓ "	✓ up to next major version (2.0+)	✗
Version comparison	✓ defined order (eg 0.10 > 0.9), pluggable version syntax planned, falls back to string comparison	✓ "	✓ defined order (eg 0.10 > 0.9), pluggable version syntax planned, falls back to string comparison	✗
Conflict Resolution	✓ nearest, latest-time (snapshots), fixed. planned: newest (latest-revision), oldest, fail	✓ "	✓ all, latest-time, latest-revision, fixed	✗
Snapshots	✓ configurable timestamping, build numbering, update frequency	✓ "	✓ can publish continuous integration build	✓ auto-updated timestamped build

Profiles	✓ pluggable activators, as well as by id, jdk, OS, sys property for whole build process including deps	✓ no manual activation	✓ single id configuration (must be defined consistently across all ivy configurations)	✗
Scope	✓ defines known scopes for sensible build defaults, combined during transitivity	✓ "	✗ can use configurations in a limited way for this	✗
Non-java dependencies	✓ pluggable	✓ "	✓	✓
Filtering	✓ can exclude dependencies from tree, apply a version globally	✓ when using POM	✓ can exclude dependencies from tree, apply a version globally	N/A
Multiproject	✓ order determined by dependencies, and build outputs can be used as the dependencies (even if not built to a jar)	✗	✓ ordering and reuse of build artifacts as dependencies	✗
System scoped (tools.jar)	✓ can be used transitively	✓	✗	✓ jar overrides
Dependency reports	✓ currently basic tabulated report	✗	✓ multi-page tabulated report	✓
Eclipse plugin	📘 in progress	✗	✓	✓ Mevenide
IDEA plugin	📘 in progress	✗	✗	✓ Mevenide
NetBeans plugin	📘 in progress	✗	✗	✓ Mevenide
Eclipse .classpath generation	✓	✗	✓	✓
IDEA .iml generation	✓	✗	✗	✓
NetBeans project generation	✓	✗	✗	✗

Deployment	✓ pluggable: file, scp, scpexe, http, ftp, sftp, scm	✓ "	✓ file only. planned: vfs based	✓ file, scp, scpexe, ftp, sftp
Mirrors	✓ can use mirror for any repository, automatic mirroring planned	✗ planned	✗	✗
Maven 1.x Repository (non-transitive)	✓	✓	✓	✓
Maven 2.x Repository (transitive)	✓	✓	✗	✗
Ivyrep (transitive)	✗	✗	✓	✗
Multiple repository support	✓ separate snapshot and release repository, per project repository	✓ "	✓ per project repository	✓ can list multiple repositories from build
Configurable repository layout	✓	✓	✓	✗

	Maven 1.x Repository	Maven 2.x Repository	Ivyrep
Size	8000+	8000+	30
Immediate Synchronize of OSS Releases	✓	✓	✗
Artifacts	✓	✓	✗
User uploads to central repository	✓	✓	✗
Open sandbox repository	✗	✗	✓

Site Management

	Maven 2.x	Maven 1.x	Anakia
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Plain text input	✓	✗	✗
XDoc input	✓	✓	✓
Docbook input	✓	✓	✗
XHTML input	✓	✓	✗
FAQ input	✓	✓	✗
Confluence input	ⓘ in progress	✗	✗
XHTML output	✓	✓	✓
PDF output	✗ planned	✓	✗
Reporting integration	✓	✓	✗
Streaming	✓	✗	✗
Skinnable	✓ Velocity	✓ JSL	ⓘ
Furniture customisation	✓	✓	✓
Breadcrumbs	✗	✓	✗

Other

Continuum

See [Continuous Integration Server Feature Matrix](#)