

Semantic Tooling

Requirements...

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Desiderata

- Collaborative
- Distributed
- Agile
- Layered

IDE Paradigm

- Developer has control over local environment
- Distributed development supported through shared version control systems (Git)
- Different developers can use different tools on the same project
- Layering of tools
 - Interactive editors (multiple languages)
 - Compilers (multiple languages)
 - Debuggers (multiple languages)

Examples to Emulate

- OntoMaven
- Drools KIE
- Ace Workspace -> IHTSDO workbench
- Eclipse
- IntelliJ

Version Control is Foundational

- Identified Objects
- Chronology of Identified Objects
- STAMP Versioning

STAMP

- For each version in a chronology
 - Status
 - Time
 - Author
 - Module
 - Path
- Support for runtime modularity, design time GitFlow paradigms

Modularity is also Foundational

- OSGi type capabilities at runtime
- Stamp Versioning
- Maven at design-time

Architectural Stack

