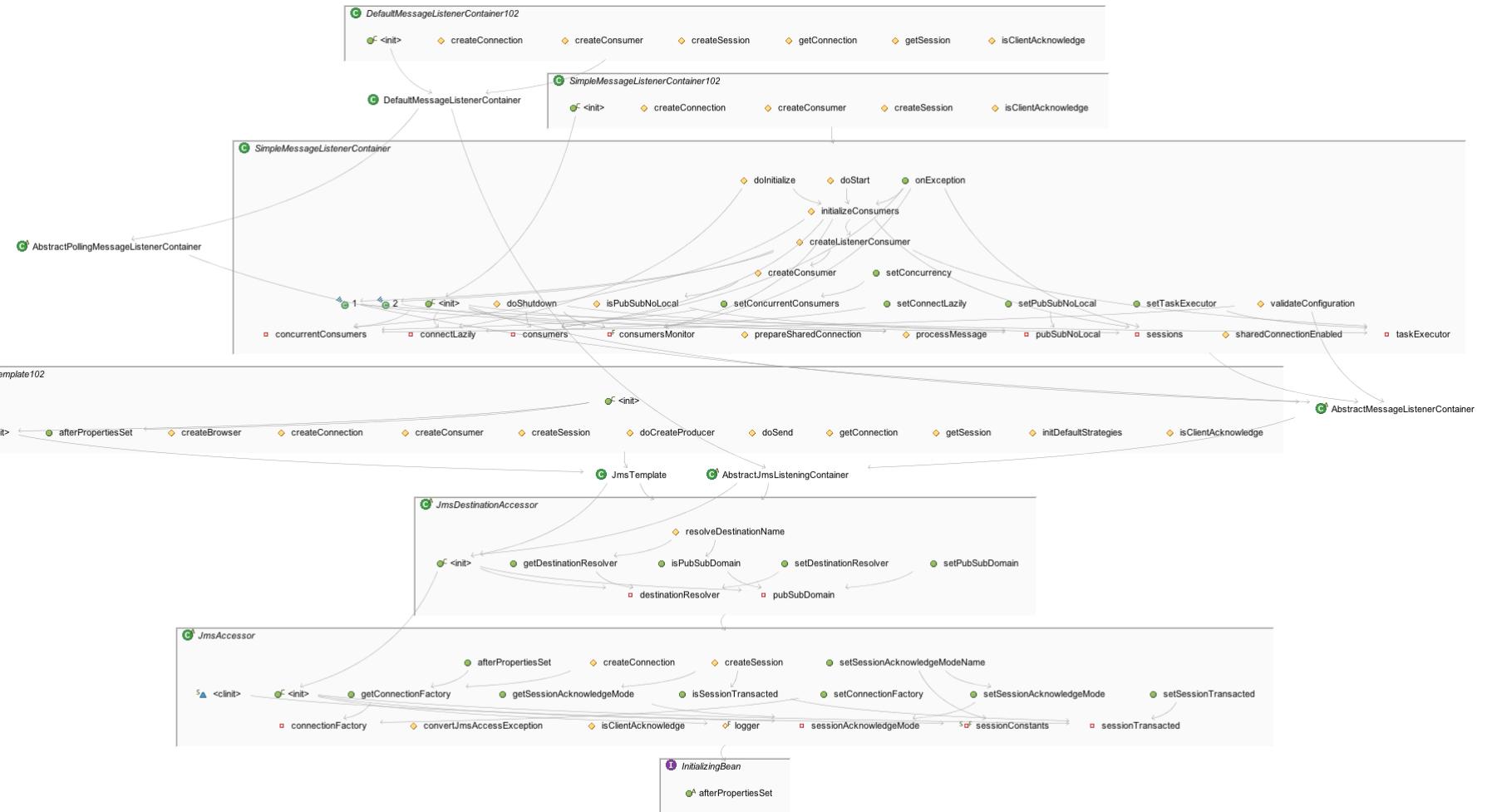
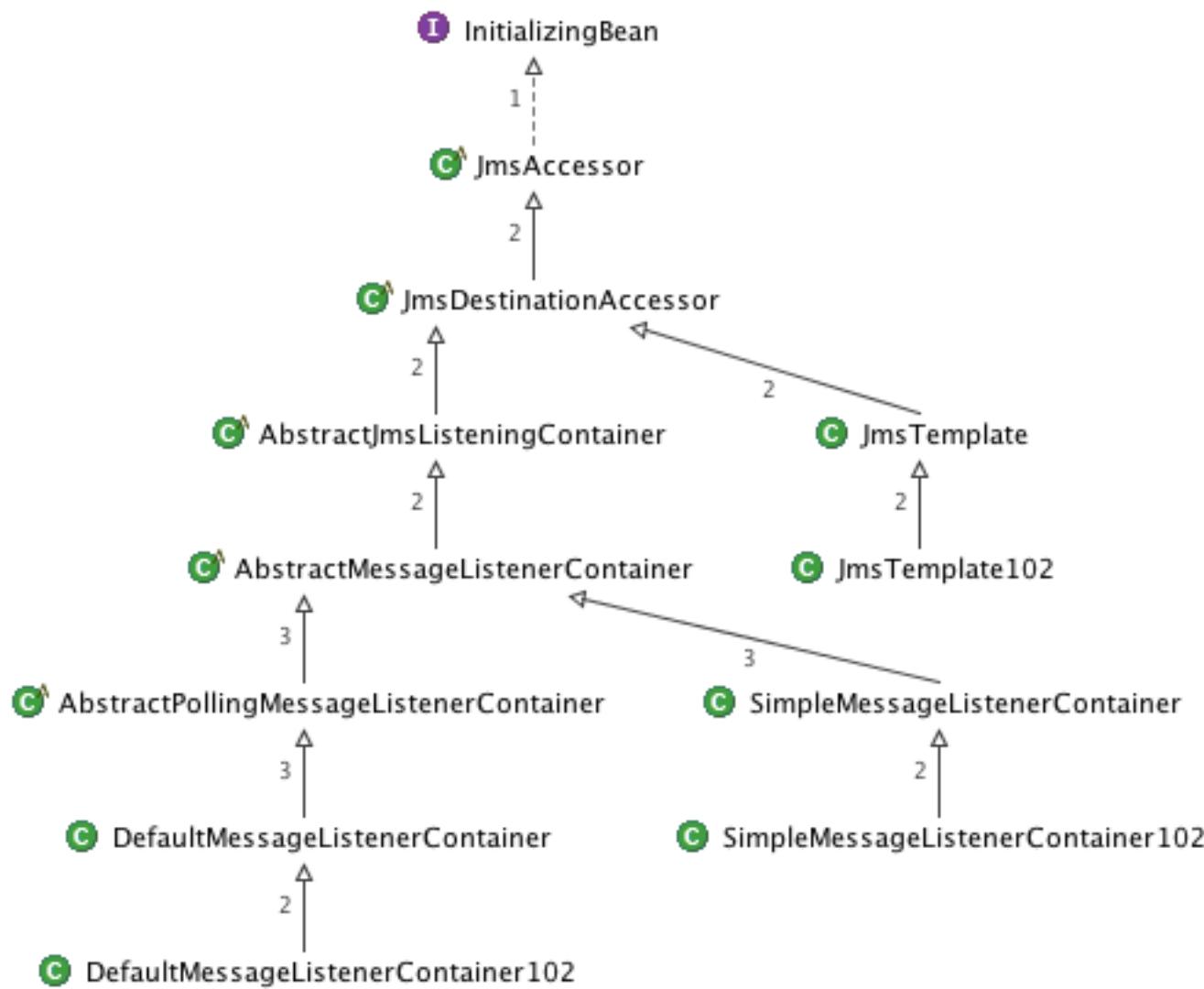


Beautiful Structure



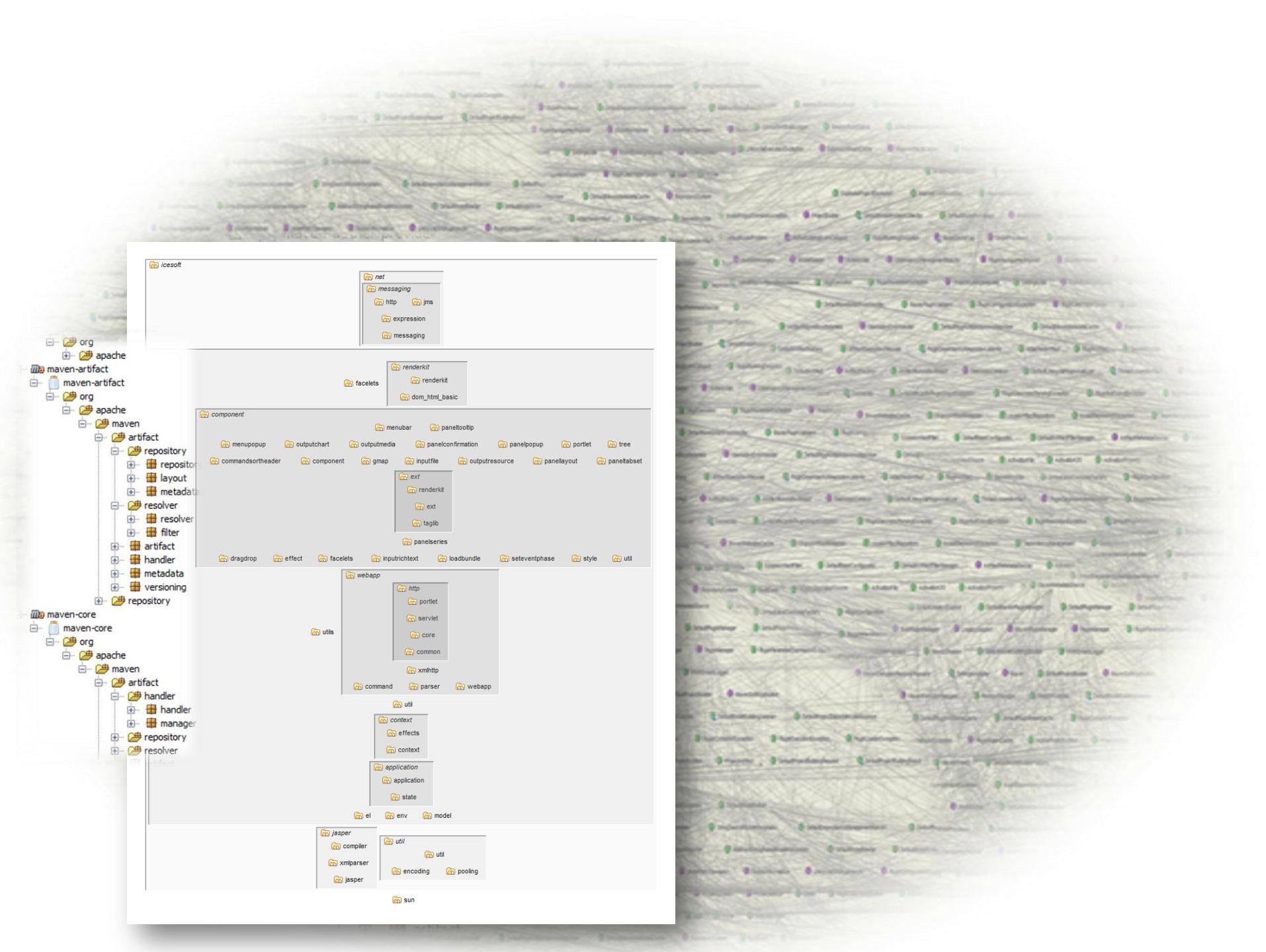
Chris Chedgley
Structure101

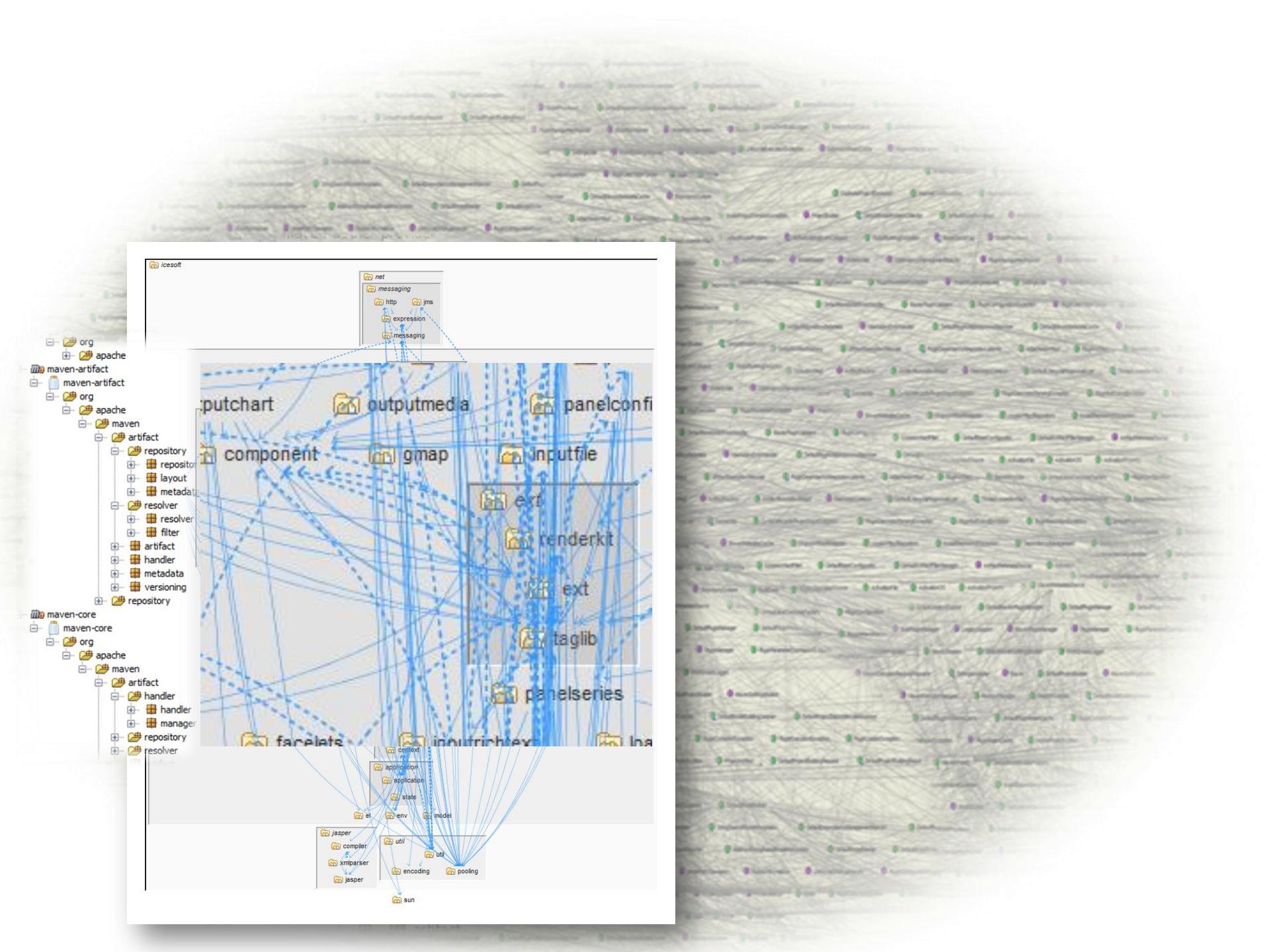


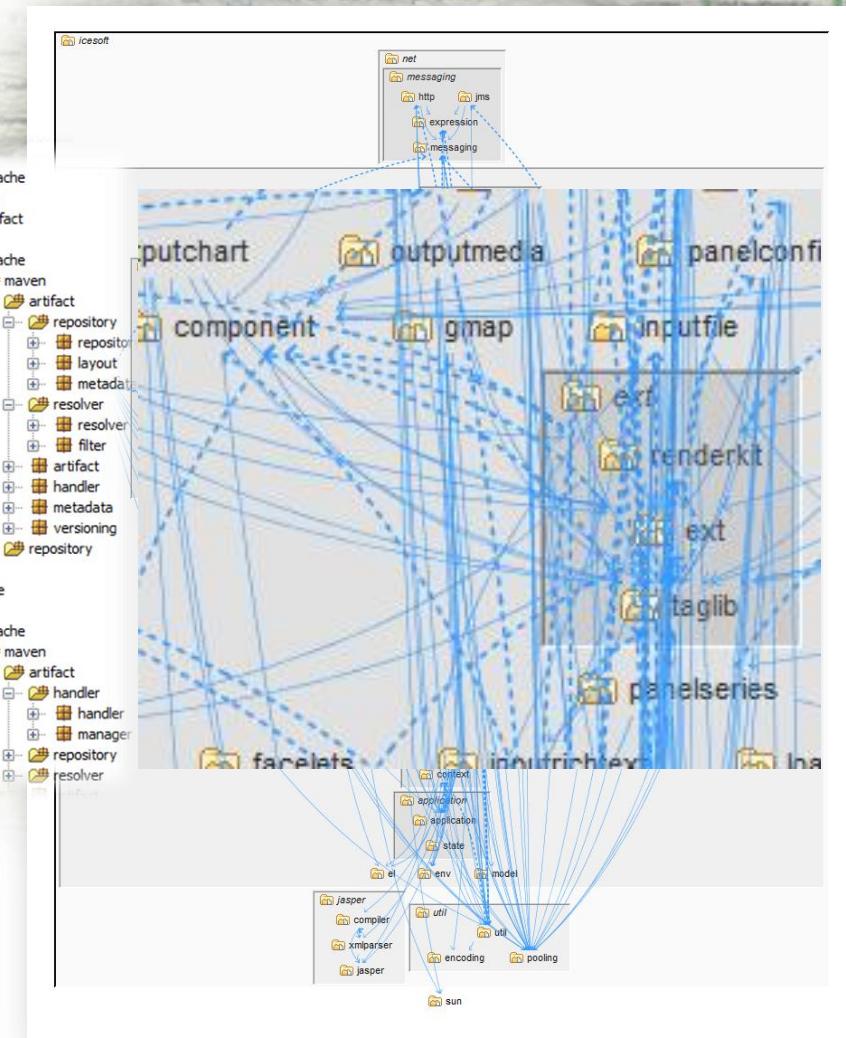




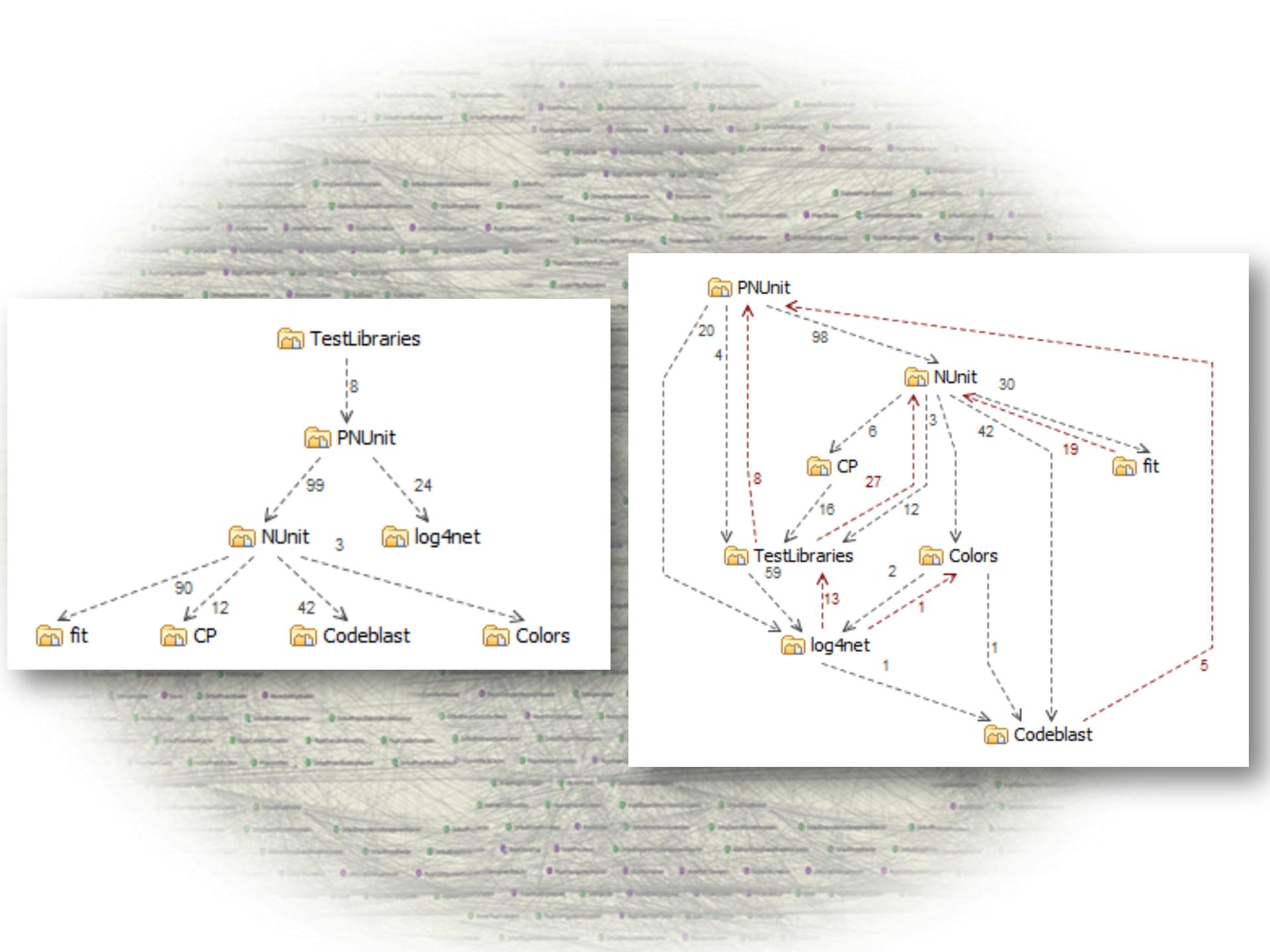






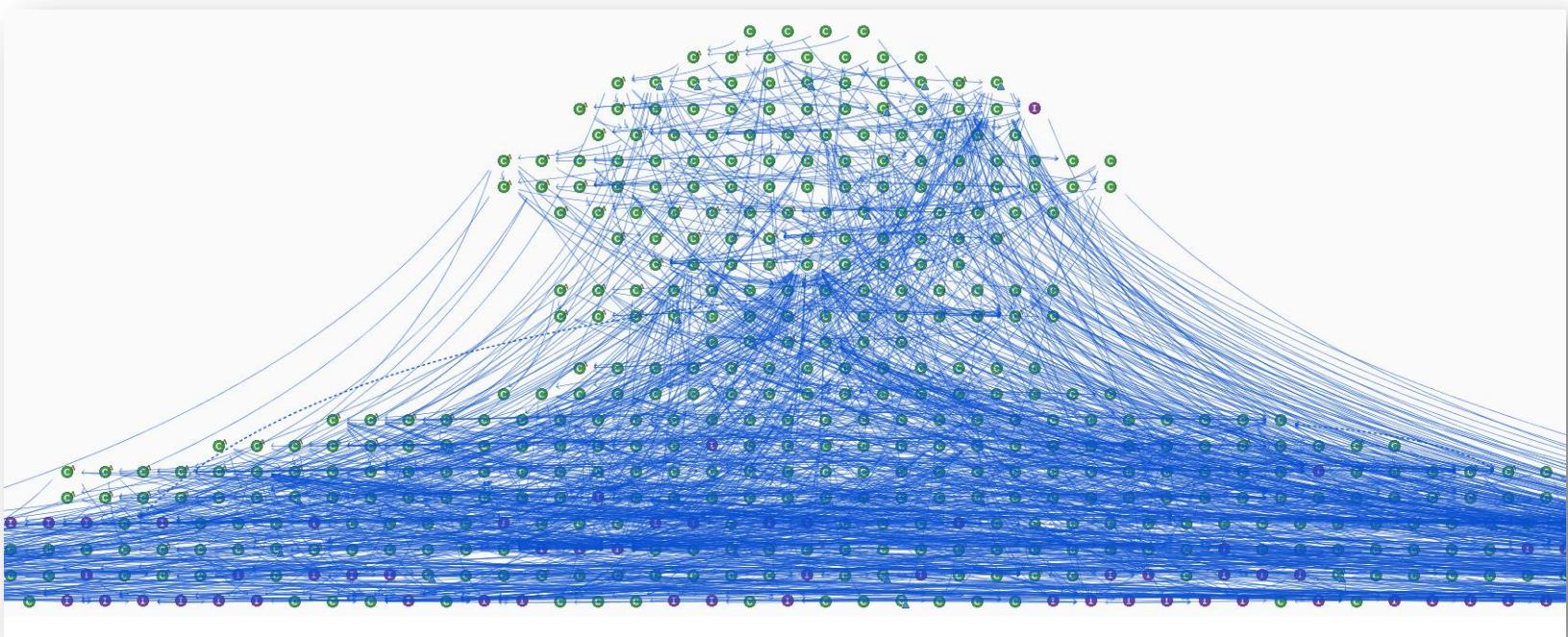


- Map for developers
- Phased testing and release
- Divide work across organizations, teams, individuals
- Modularity: interfaces + info hiding
- Reuse or replace subsystems or layers
- Impact/regression control
- Help new developers
- ...



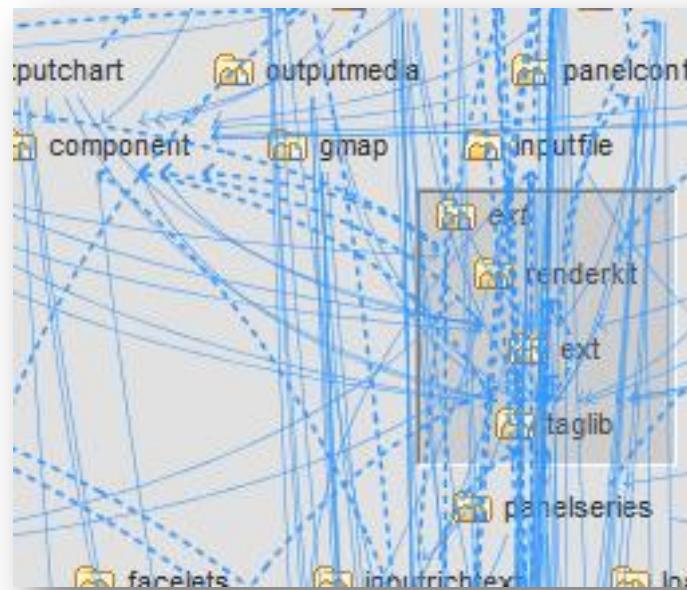
Structural Beauty

- Enough containment



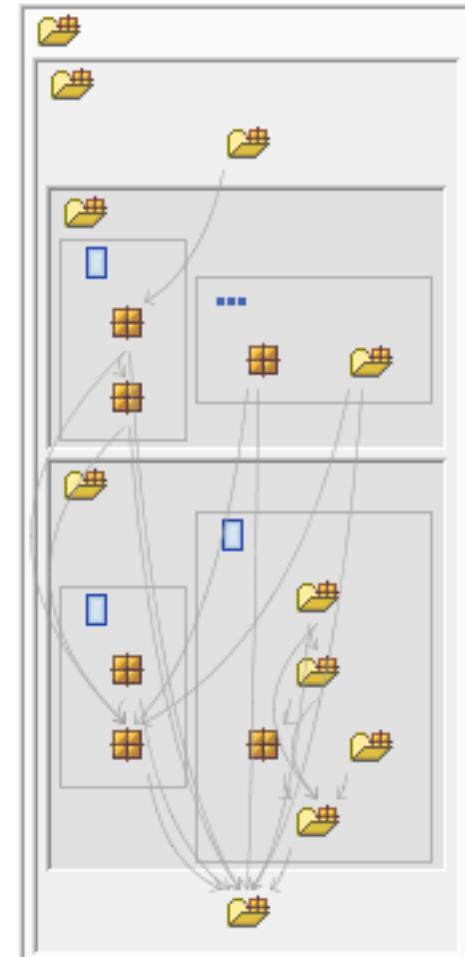
Structural Beauty

- Enough containment
- Acyclic container dependencies



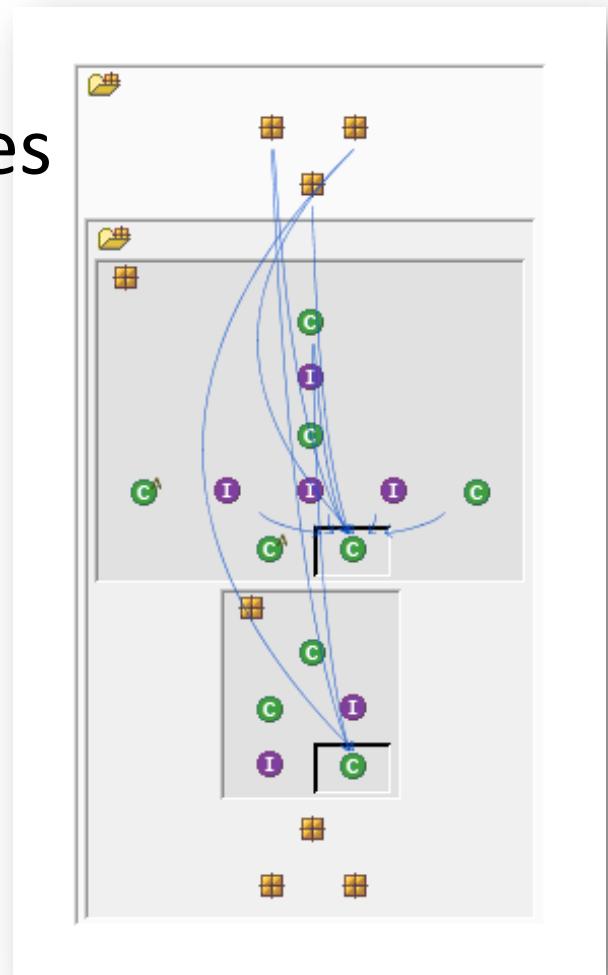
Structural Beauty

- Enough containment
- Acyclic container dependencies
- Dependencies more local
 - Higher cohesion
 - Lower coupling



Structural Beauty

- Enough containment
- Acyclic container dependencies
- More local dependencies
 - Higher cohesion
 - Lower coupling
- Narrower interfaces

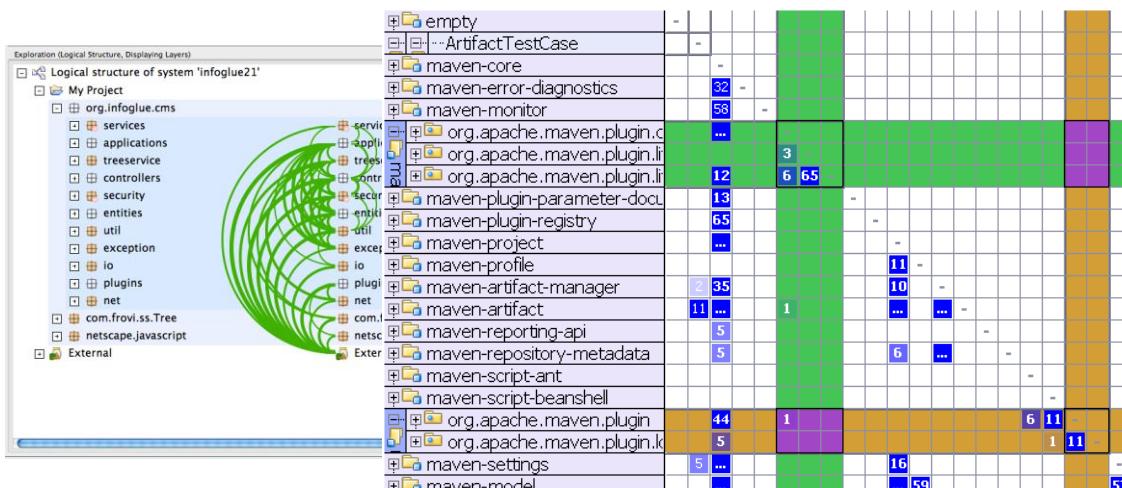


Structural Beauty

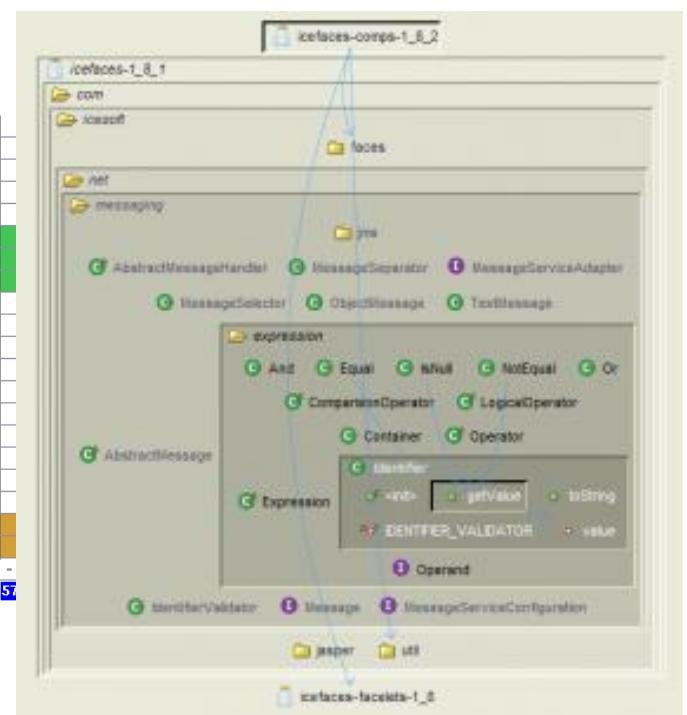
- Enough containment
- Acyclic container dependencies
- More local dependencies
 - Higher cohesion
 - Lower coupling
- Narrower interfaces
- *Reconstructive surgery*

You're going to need a bigger tool !!

- That parses code
- Hierarchical dependency model
- Malleable
- SonarGraph
- Lattix
- IntelliJ Idea Ultimate
- Structure101

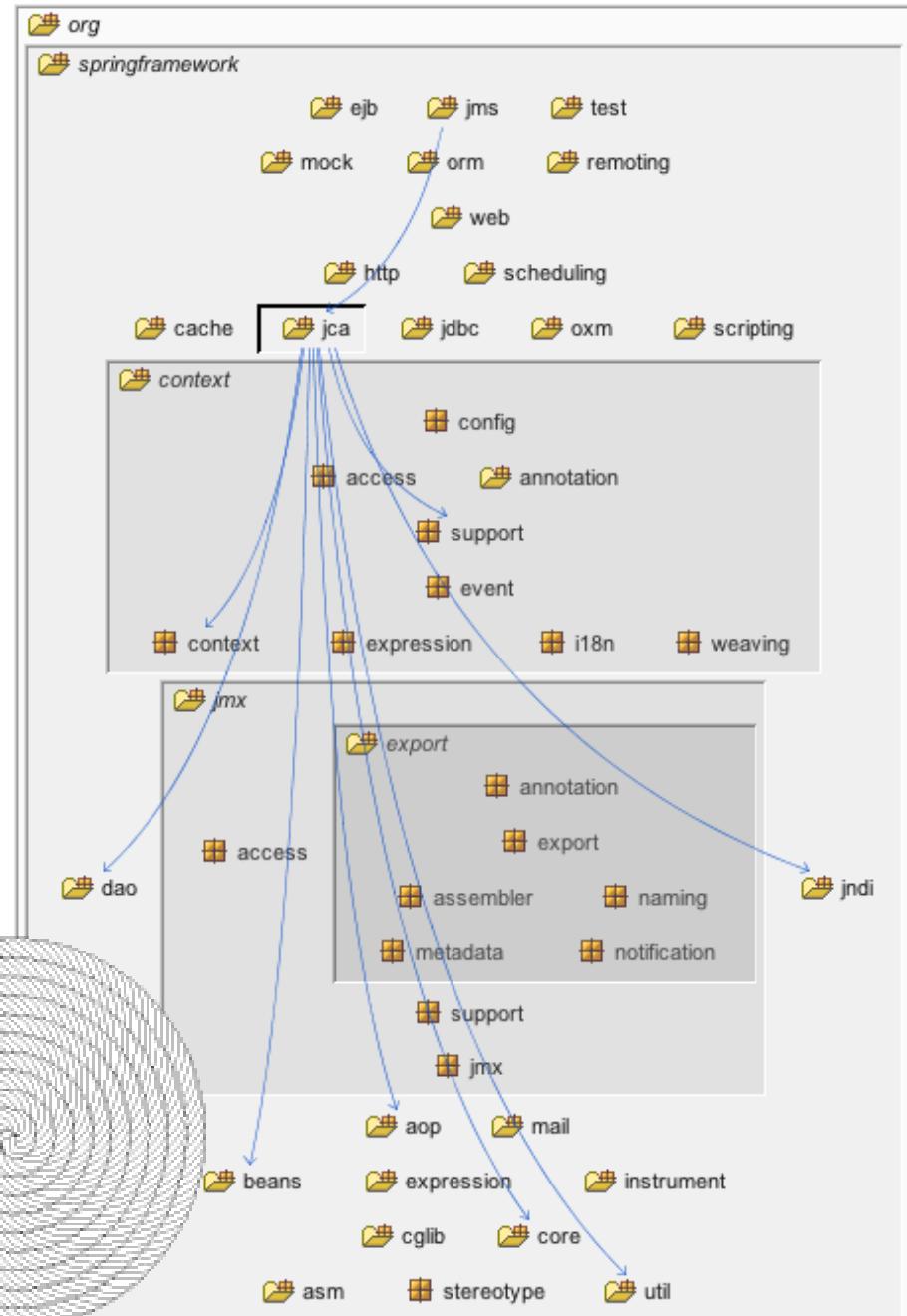
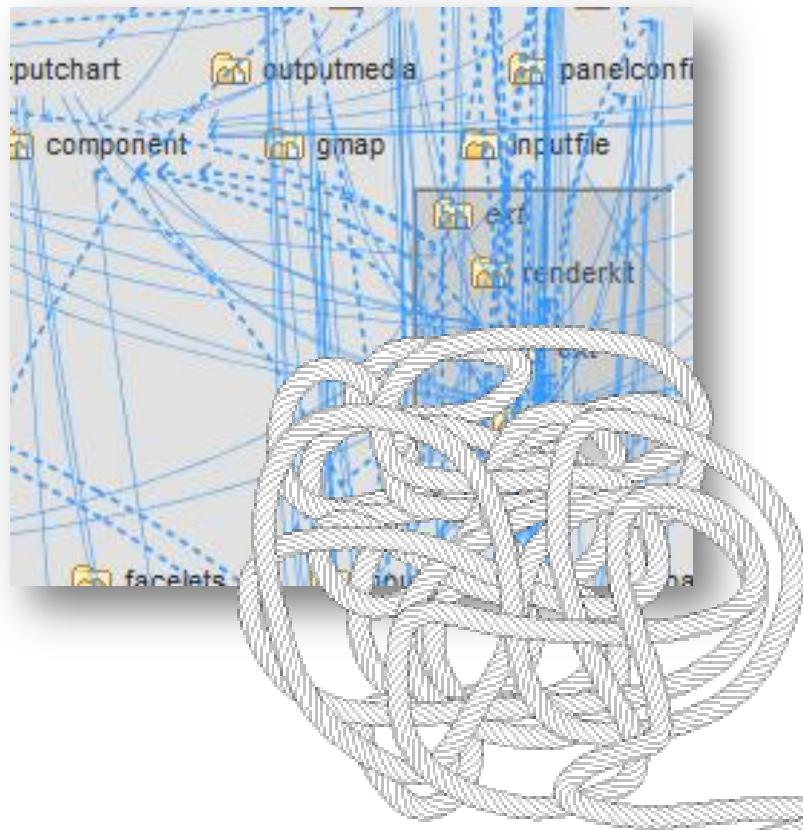


DSM - Dependency Structure Matrix



LSM – Levelized Structure Map

Interactive



Thank you!

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