

Dynamic collaboration and activation of aspects

- Collaborations *of* aspects vs. aspects *on* collaborations
- 3 Levels of dynamicity
 - Static weaving
 - Dynamic activation/deactivation (pre-compiled)
 - Dynamic loading / instantiation of aspects
- Flexibility, effort, risks increase with each level of dynamicity

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- Where are aspects used
 - Modelling, design, implementation
(Modularization from start)
 - Refactoring (extracting crosscutting code)
 - Post-compilation changes (introducing aspects
at runtime)
- How to define joinpoints for dynamic
activation ?

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- Are roles and aspects different ?
 - Roles are first-class entities
 - Roles apply more to objects, aspects to classes/types
 - Somehow orthogonal
- Traceability, testing, validation
 - Monitoring
 - Contracts