

# Experiencing with Language Oriented Modularity

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Language oriented modularity (LOM) is a programming methodology that promotes the implementation and immediate use of domain-specific aspect languages (DSALs --- programming languages that are both domain-specific and aspect-oriented). We introduce a novel approach to DSAL development that reduces the cost of their implementation and increases the effectiveness of programming with them, and by that improves the cost-effectiveness of LOM. We examine the applicability of LOM using our approach in three implementations. First, implementing a non-trivial third-party DSAL. Second, implementing DSALs for programming alternative solutions to existing crosscutting features found in the oVirt open source project. Third, implementing a DSAL and programming in it a solution to a newly introduced crosscutting feature in the muCommander open source project.