

Abstract: A system for engineering and using a domain-specific rule language

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Both business rules (BR) and domain-specific languages (DSLs) are hot topics in today's information system development. However, there is still no combination of both which implements scientific requirements and user-friendly deployment.

The importance of adequate tool support is long known and topic of classic computer science literature. Yet, it is still a current issue – as Wagner¹ describes: “Current software technologies fail to adequately support business rules.”

A domain-specific rule language system (DSRLS) supports the engineering and using of a domain-specific rule language: the author aims to contribute to the development of domain-specific rule language systems. To do so, a metamodel and requirements of DSRLSs are presented and an architecture is derived (using ArchiMate). Systems which are related to DSRLS (rule engines, IDEs) are compared with the requirements. A conclusion gives a critical retrospection and an outview.

¹G. Wagner. How to design a general rule markup language? In: *XML Technologien für das Semantic Web XSW 2002, Proceedings zum Workshop*, pages 19–37. GI, 2002.