Research Question and Hypothesis

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Abstract

The research question and objectives with respect to architecting methods are defined. The scope is product-family and product level primarily. An hypothesis is formulated, that is based on a multi-view framework allowing many submethods to be used. Criteria for architecting methods are articulated.

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views, stakeholders, applications, concerns, needs, expectations, interests, functions, features, qualities, requirements, systems, technologies, standards, disciplines, suppliers, sites, cultures, employees, education, tools, legacy, other vendors, legislation



A rich collection of submethods fitting in a multi-view framework complemented with reasoning methods enables successful architecting of technology and software intensive complex systems in heterogeneous environments by means of generic insights grounded in specific facts



Successful architecting and architecting method





From hypothesis to criteria





research	What architecting methods enable the creation of successful products
question	in dynamic markets developed in a heterogeneous industrial context
hypothesis	A rich collection of submethods fitting in a multi-view framework
	complemented with reasoning methods enables successful architecting of technology and software intensive complex systems in heterogeneous environments by means of generic insights grounded in specific facts
	1 product is a commercial success
criteria	2. product family is sustainable commercially successful
	3. architects benefit from deploying submethods
	 project leaders, product managers and engineers are able to use the outcome of the submethods

