

University of Stuttgart

Institute of Software Engineering Software Quality and Architecture SQUAT-Vice Visualization and Interaction in Software Architecture Optimization foliation Fluid Vision and the Confidence of the Confidence

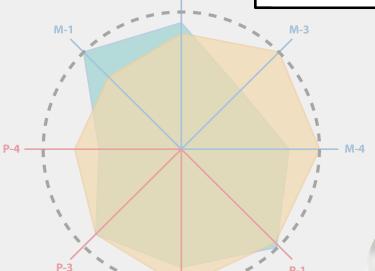
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1 Introduction

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ECSA'20 Tool Demo





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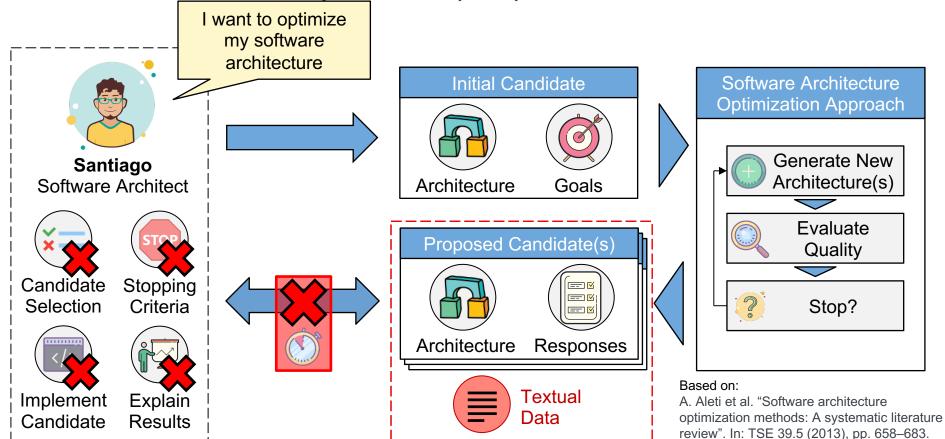
SQuAT-Vis:
Visualization and
Interaction in Software
Architecture Optimization*

11th Symposium on Software Performance 2020 (SSP 2020) – Extended Abstract

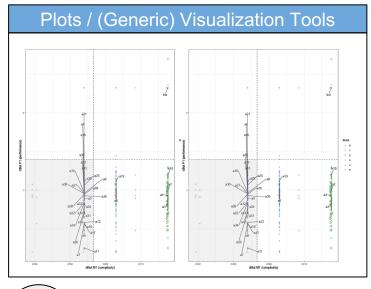


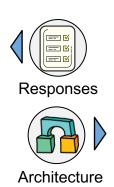
Sebastian Frank, André van Hoorn

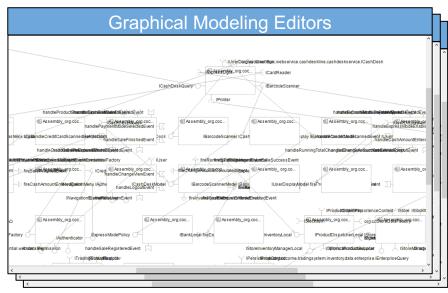
Software Architecture Optimization (SAO) - Context & Use Cases



Investigating SAO Results is difficult



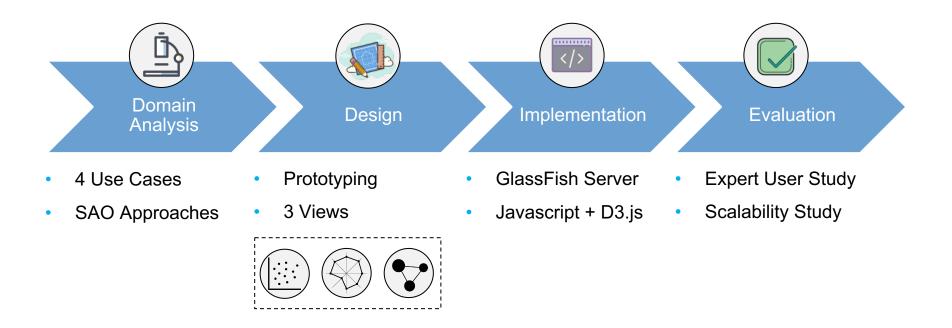




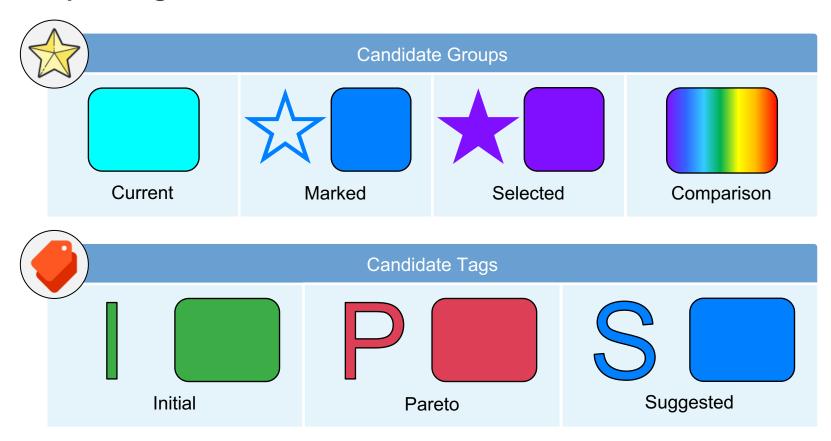
Goal

Investigate suitable visualization and interaction techniques to support architects in (interactive) SAO and develop a tool implementing these techniques.

Research Method and Process



Groups & Tags



Tool Demo

Evaluation: Use Cases

Case Study	ST+				CoCoME			
Task	Candidate Selection	Stopping Criteria	Implement Candidate	Explain Results	Candidate Selection	Stopping Criteria	Implement Candidate	Explain Results
Expert 1	\Diamond	\Diamond	(♦♦)	(⊗)	(⊗)	♦	×	×
Expert 2	\Diamond	\Diamond	(♦♦)	×	\Diamond		×	×
Expert 3	(⊗)		(♦♦)	(⊗)	(⊗)		(⊗)	

Summary & Future Work

