

Master Thesis Kick-off presentation Interactive Visualizations for supporting the analysis of distributed services utilization in the context of business processes

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sebis

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Outline



Motivation

- Micro Service Architecture
- Related Work
- Problem Statement

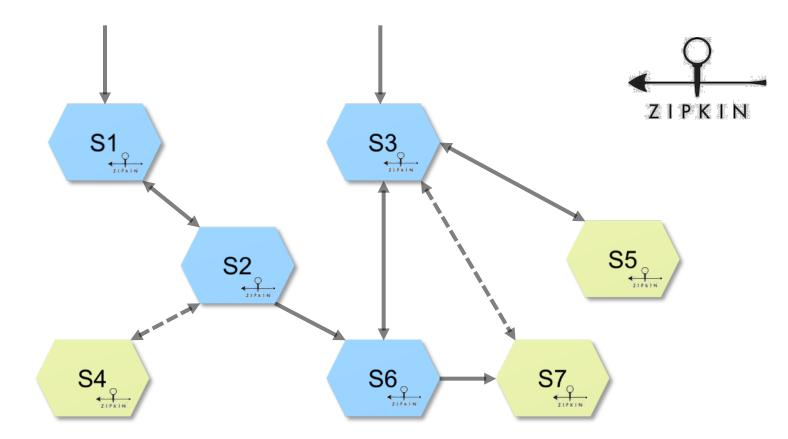
Research Questions

Approach

Timeline

Motivation Micro Service Architecture





Motivation Architecture Discovery

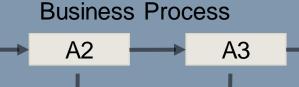
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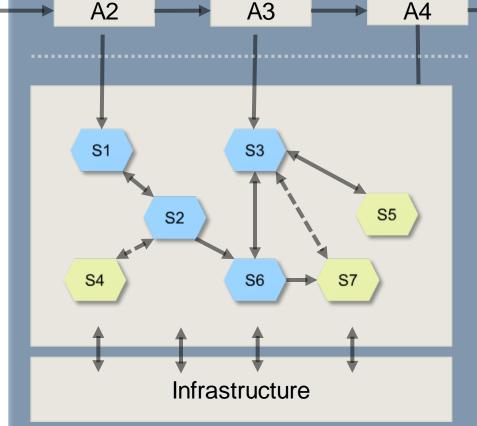


Motivation Architecture Discovery

Micro Services

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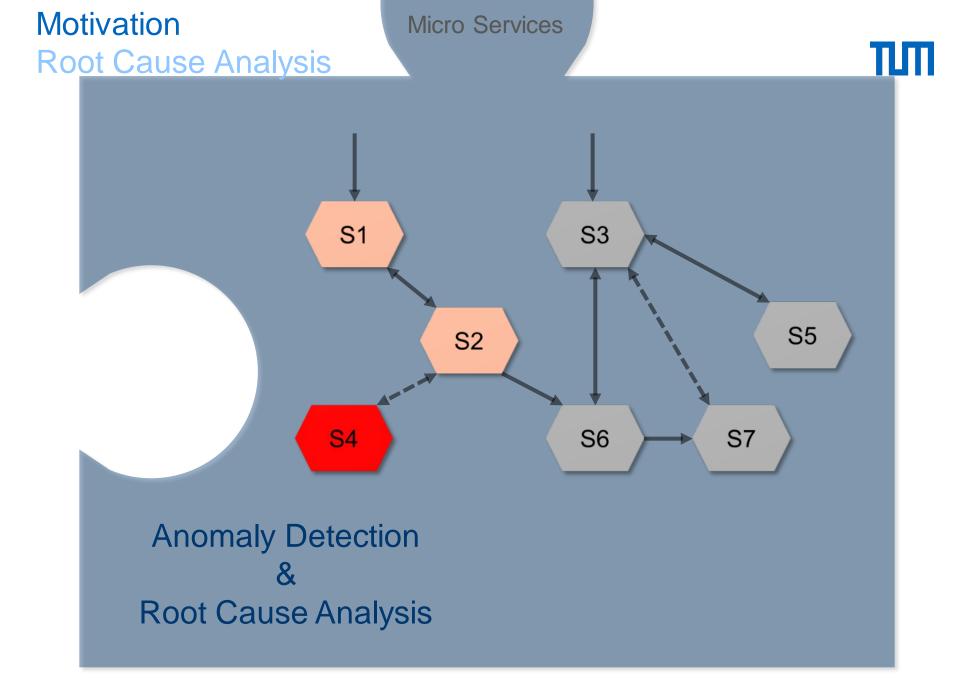


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Motivation Root Cause Analysis

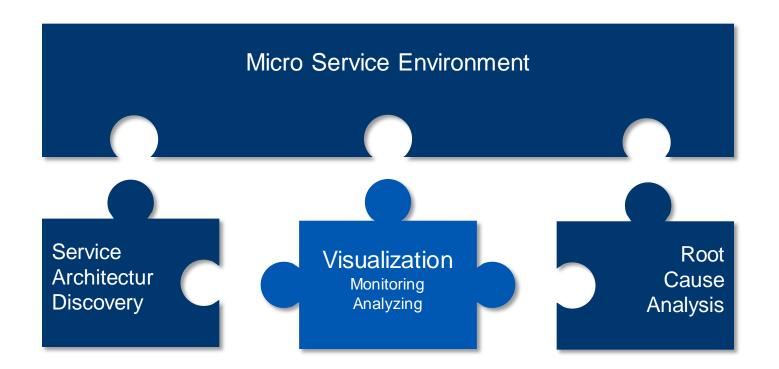
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Motivation Problem Statement

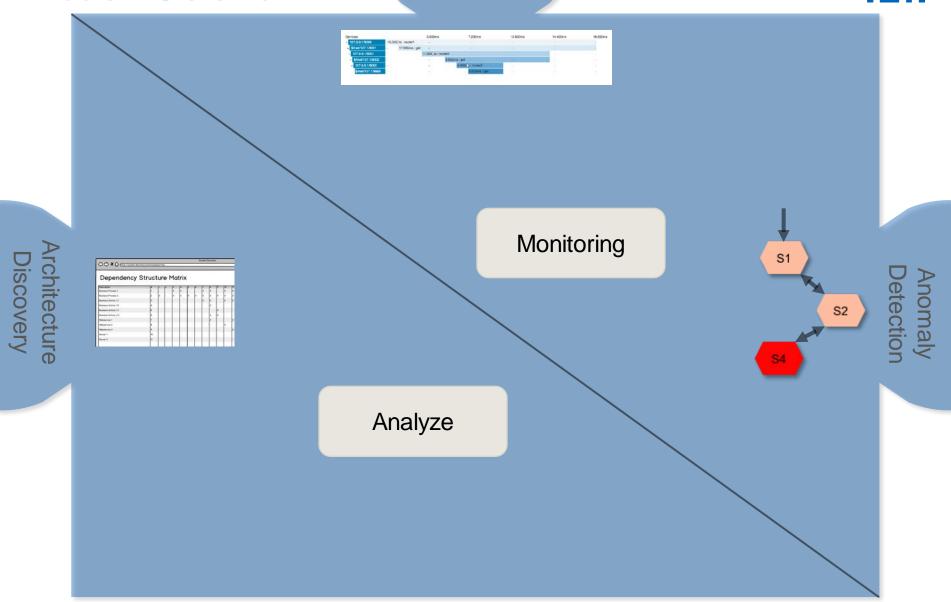
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Motivation Problem Statement

Micro Services

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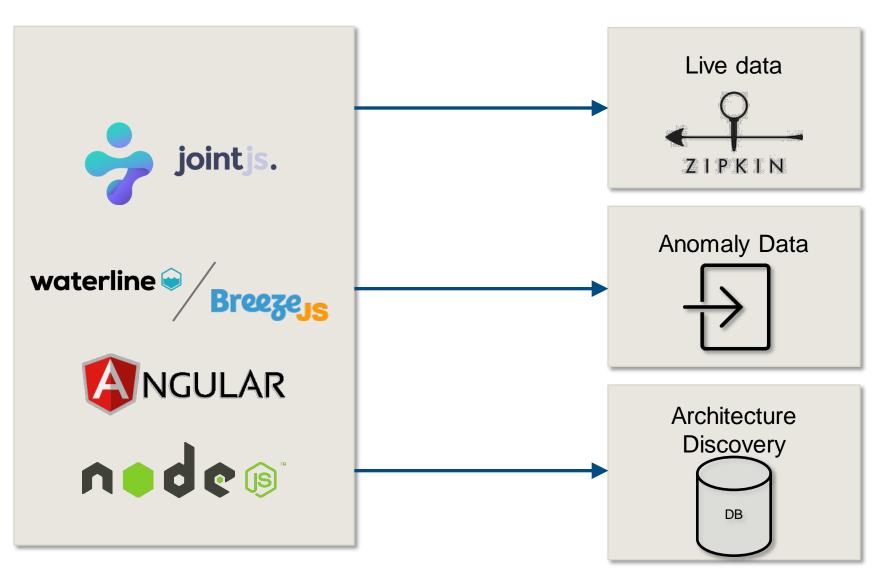
Micro Services

Research questions

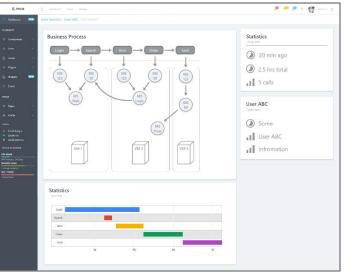
Architecture Discovery

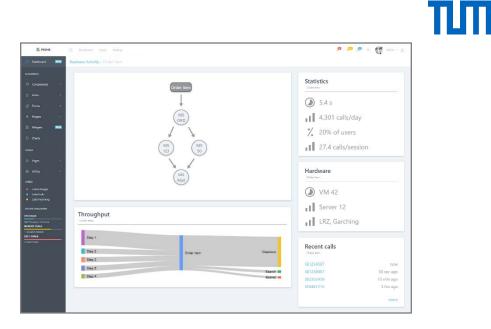
- 1. How to effectively visualize the relations between Business Activities and Micro Services?
- 2. Which criteria are suitable to position Micro Services meaningful in a directed Graph?
- 3. How can the results of a root cause analysis and its impact be effectively displayed in context?
- Which methods are suitable for displaying larger Micro Service Networks in a manageable manner? (clustering, filtering, etc.)

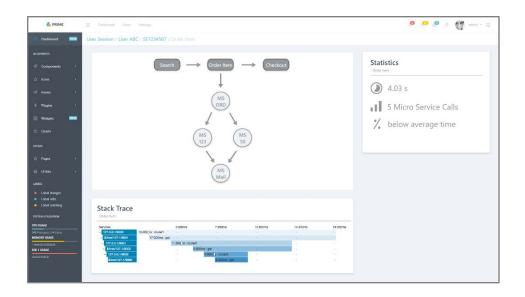
Approach Architecture



Approach Mockup







Timeline

ТЛП

	Jun	Jul	Aug	Sep	Oct	Nov
Literature						
Prototype Design)		
Prototype Implement						
Write						
Thesis						
Review & Print						
		Today				Thesis Submission

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B. Sc. **Daniel Graf Hoyos**

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Master Student Information Systems

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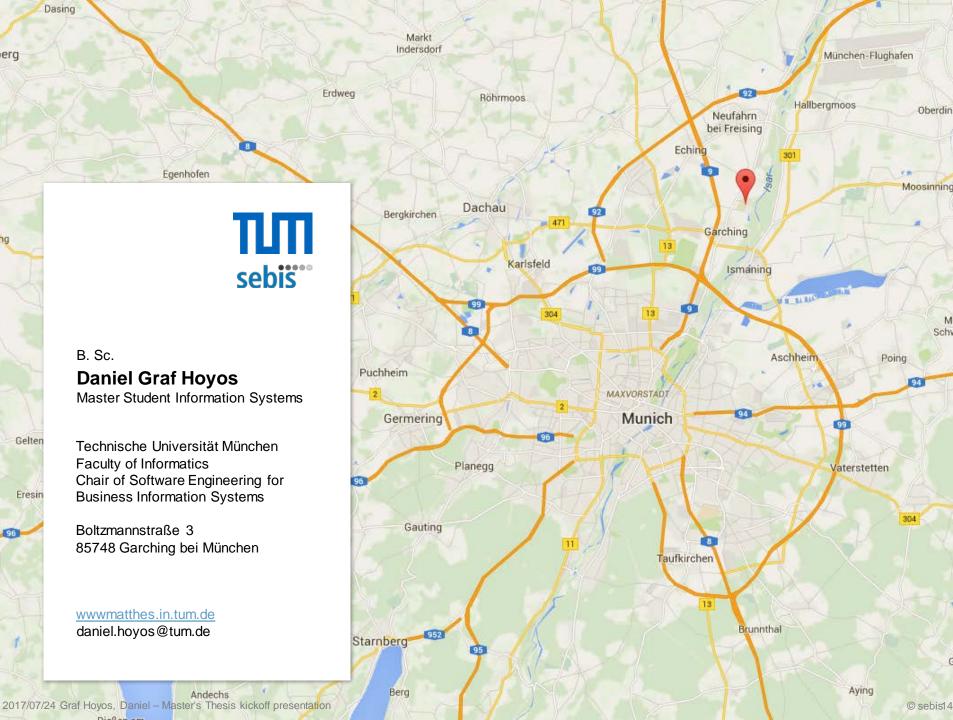
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Backup

