[[1]](#footnote-1)

Preparation of Papers for IEEE TRANSACTIONS and JOURNALS(June 2003)

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# Motivation und Problemstellung

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# Einführung

## Transaktionen in verteilten Systemen

### Eigenschaften

### Herausforderungen

## Java Messaging Service

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### JMS-Provider

### JMS-Destinations

# Konzeption des verteilten Chatanwendung

## Struktur des Anwendungsszenarios

## Komponentensicht

## Datenmodell

## Fehlertolerante Transaktionsverarbeitung für REST-Clients

# Implementierung

## Umsetzung der Basisarchitektur

### Ablösung des TCP-Websocket durch JMS

### Umsetzung der REST-APIs

* JAX-RS

### Anbindung der Datenbankinstanzen

## Umsetzung einer gemäß XA verteilten Transaktion

* EJB

## Umsetzung eines Admin-Clients

### Angular2 als Entwurfsentscheidung

# Benchmarking

## Testaufbau und Rahmenbedingung

### Verwendete Infrastrukturkomponenten

### Verwendete Testmetriken

### Testspezifikation

## Dokumentation der Messergebnisse

## Evaluation der Messergebnisse

# FAZIT

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# Conclusion

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Appendix

Appendixes, if needed, appear before the acknowledgment.

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References

[1] „Messaging configuration - WildFly 8 - Project Documentation Editor“. [Online]. Verfügbar unter: https://docs.jboss.org/author/display/WFLY8/Messaging+configuration. [Zugegriffen: 13-Okt-2016].

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