

# An Overview and Comparison of Designs of Architectures for Seamless System Reconfiguration

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**Abstract**—Driven by the fourth industrial revolution emerges a need for concepts, methods and technologies which will take on the new challenge of the digitalization. In future systems the digitalization is an important principle with the goal of processing and collecting large amount of data as well as having smart, pluggable, cooperating and collaborating components. A special design process has to be addressed to allow building evolvable and complex systems for various requirements and use cases. This paper compares and focuses on architectures like PERFoRM and the PRIME Framework for Multi Agent Systems (MAS) to tackle these challenges of the industrial revolution.

## 1. Introduction

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Juni 15, 2017

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## 2. State of the Art Methodologies

## 3. Conclusion

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## Acknowledgments

The authors would like to thank...

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