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# Concept and Architecture for Information Exchange between Digital Twins of the Product (CPS) and the Production System (CPPS)

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## Abstract

The Digital Twin concept and CPS- and IIoT-based approaches are increasingly important topics concerning future Industry 4.0 architectures. They offer high potential for dynamical aspects in intelligent production planning and control as well as part traceability and documentation. Standardized information exchange is an upcoming requirement among the whole supply chain. This paper presents a concept for a Digital Twin architecture based on motor production in the automotive industry. The key aspect is an information exchange structure for Digital Twins of products and production systems that are combined using principles of Dynamic Aggregation.

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