

MR04 Research Software Infrastructures

Background

Since the European Open Science Cloud program has been launched by the European Commission in 2015, building efficient research software infrastructures has raised as a first order problematic to make European researchers properly equipped to face scientific challenges in the future. FIZ Karlsruhe supplies the main mathematical software database through its portal, swMATH, and is an active member of the EOSC Program.

But what is the situation now?

Goal

- Build a state-of-the-art literature review on research software infrastructures

Tasks

- Compile a list of articles in the mathematical research software area
- Identify the next challenges in the area



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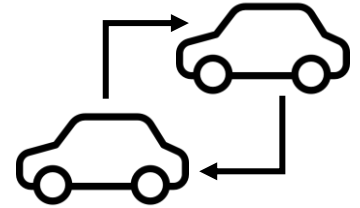
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DOS06 Literature Review on Peer-to-Peer (P2P) in Automotive

Background

While P2P networks were introduced over twenty years ago, it can be observed that automotive companies still heavily rely on centralized architectures. This centralized approach introduces a dependency on mobile network coverage, points of failures and other effects. In this seminar we aim to generate a comprehensive overview of P2P utilization within the automotive field including the related benefits and drawbacks.



Goal

- Carry out a systematic literature review on peer-to-peer networks in the automotive space

Tasks

- Compile a list of existing approaches
- Come up with a list of core properties that distinguish those
- Compare and contrast each proposal according to those properties

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