



GENIVI[®]

Shared state, independent rendering PoC

October 10, 2018

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Summary

Goal: Holistic digital cockpit HMI with seamless user experience across IVI and Instrument Cluster displays

Advantages to Shared State, Independent Rendering:

- Low inter-domain data channel bandwidth usage
- Applicability to mid/low performant SoC
- Operating System – agnostic approach

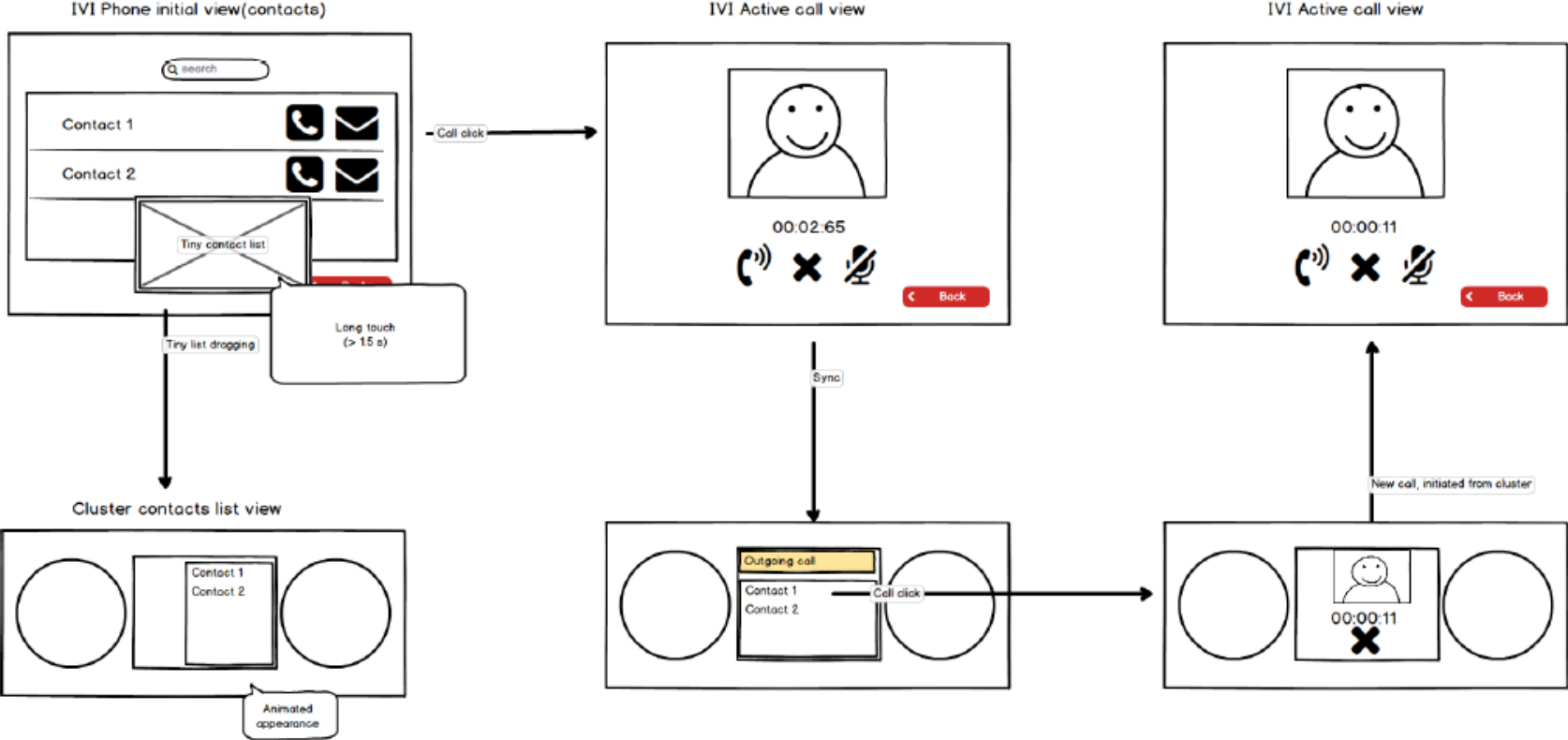
PoC/Demo Details

Implemented prototype of the digital cockpit HMI that is addressing few essential customer use-cases and reusing HCAT framework main principles

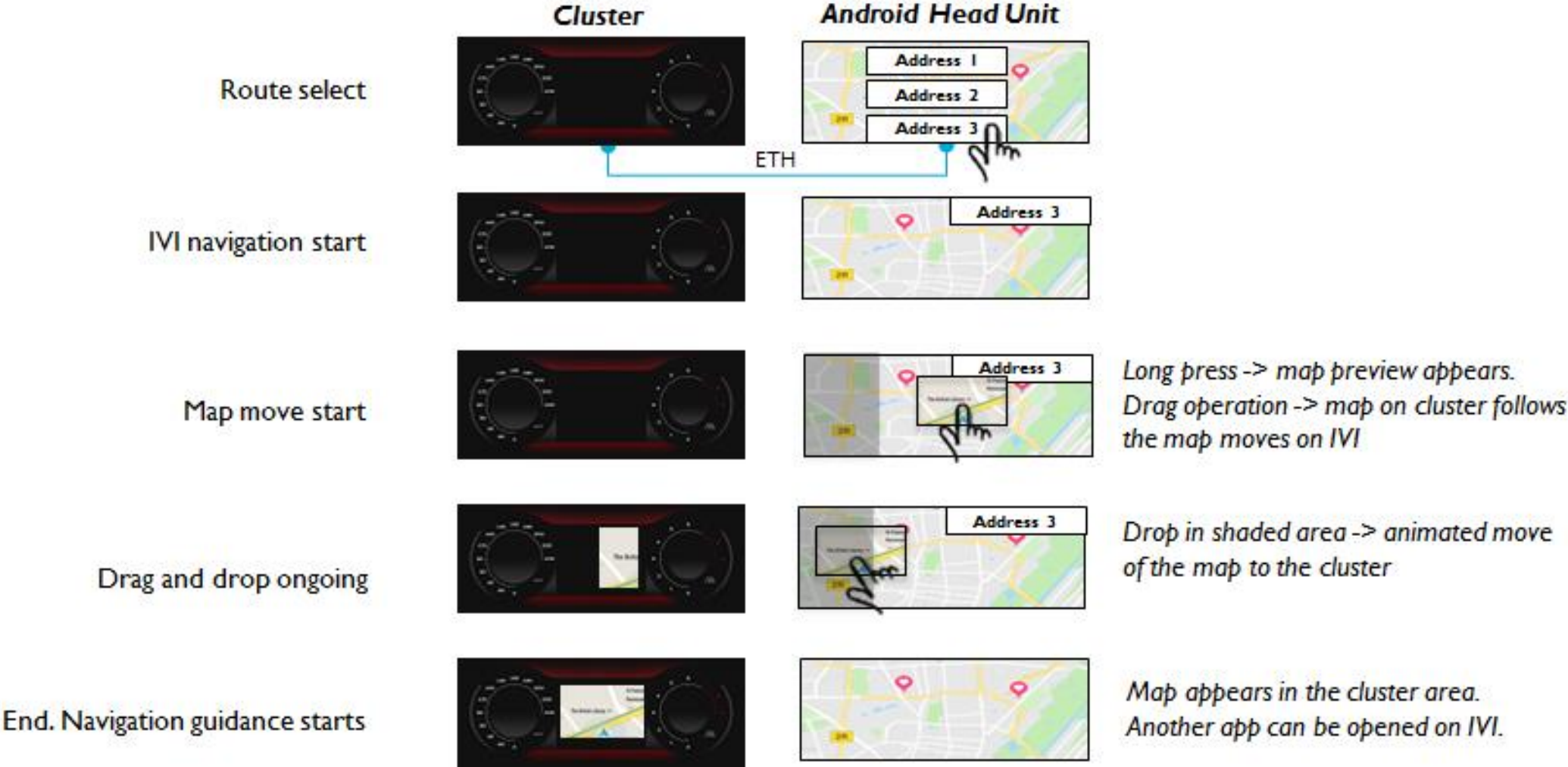
- Important customer cases related to domain interaction
- Using one of domain sharing approaches
- Using QNX and Android SW stacks

Phone use case

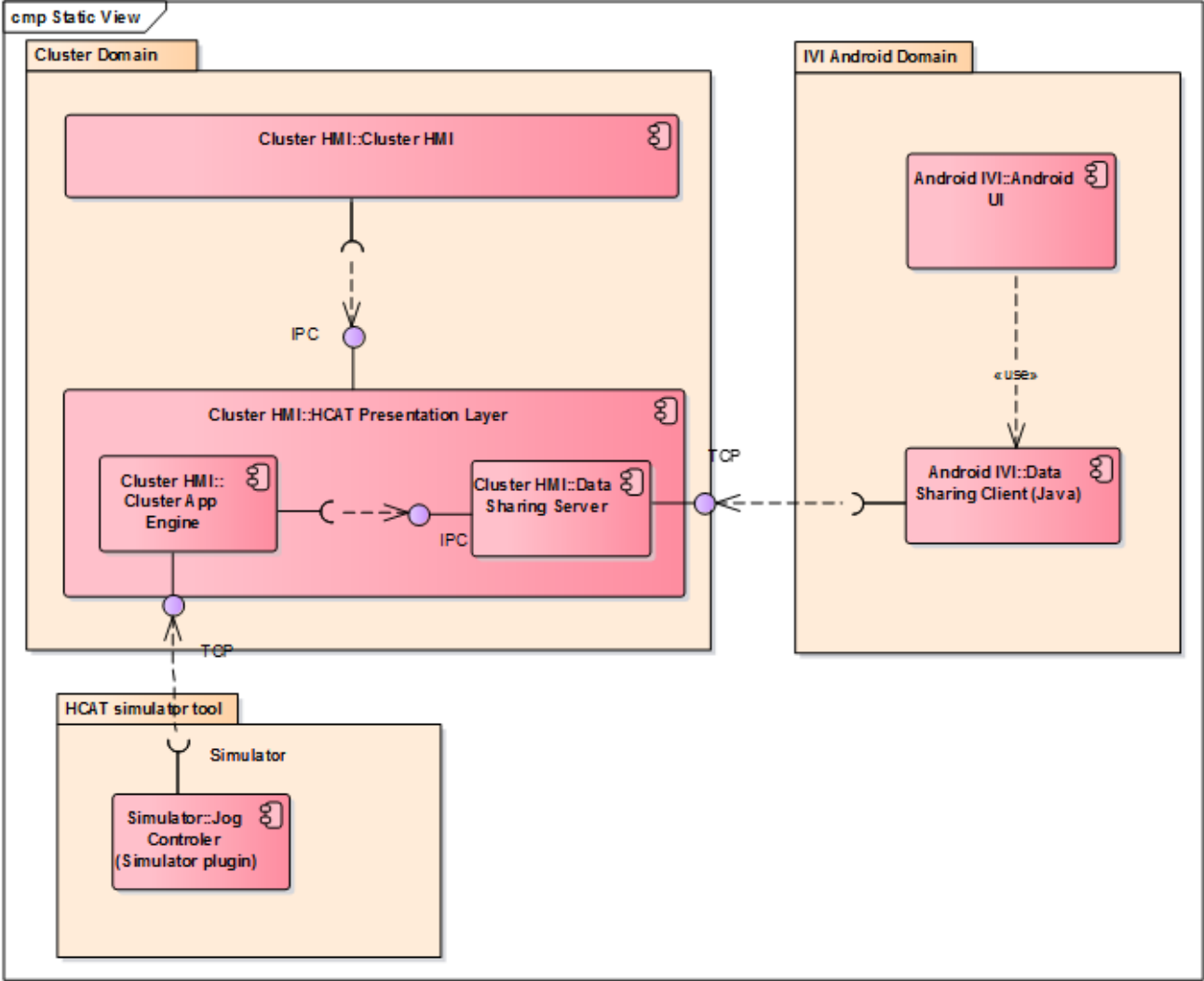
- Phone app sharing and data sync



Map use case



PoC architecture



Thank you!

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