Summary

Goal:
Implement prototype of the digital cockpit HMI to prove surface sharing approach for sending IVI graphics content from Android to QNX system over network
PoC Details

- HW: Intel NUC(x86) + Samsung S3 Tab
- Cluster is built on top of the QNX v7 RTOS
- Cluster HMI is Qt/HCAT based
- Using Android SW stack & MapBox SDK for Navigation simulation
- Gigabit ethernet
Cluster compositor

- QNX screen compositor
- Qt Wayland compositor
- Qt 3D Studio presentation
Cluster Scene
PoC architecture

Two IDC channels: Control Commands channel and Surface Cast Channel
PoC architecture cont.
Navigation use case
Thank you!

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