FULL VIRTUALIZATION OF RENAULT'S ENGINE MANAGEMENT SOFTWARE APPLICATION TO SYSTEM DEVELOPMENT

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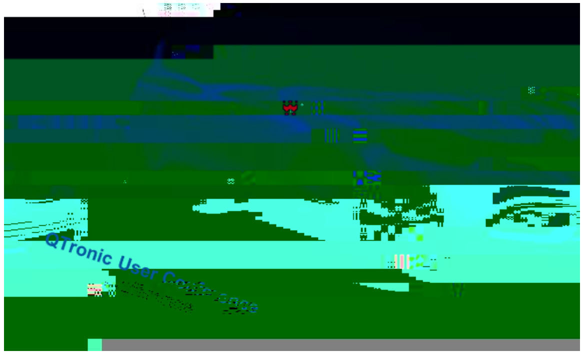


Introduction

II. Virtualization

III. Related Work

IV. Applications

V. Conclusions

vECU Build Process

I.Motivation

III. Related Work

IV. Applications

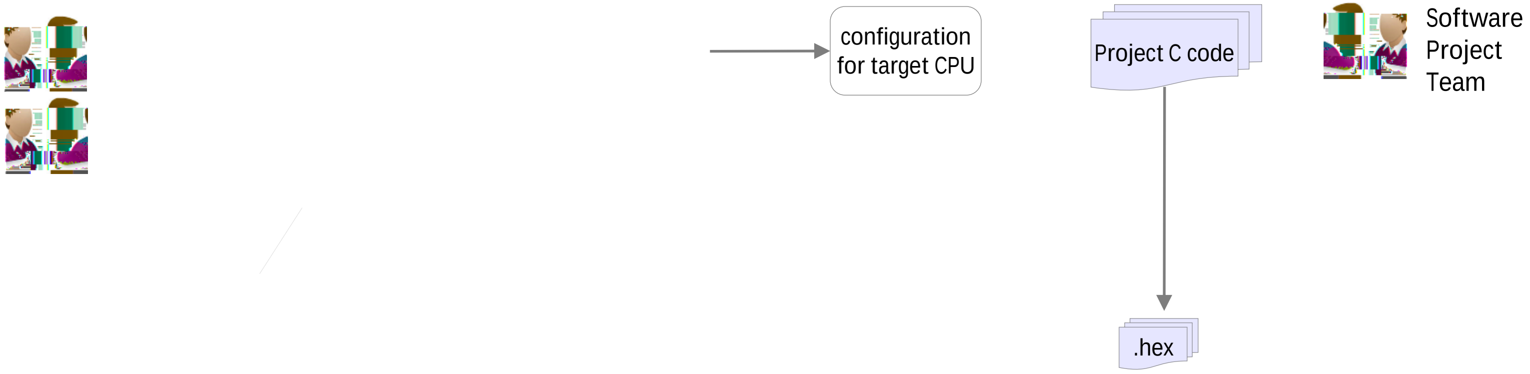
V. Conclusions

Chip Simulaton

V. Conclusions

SiL type vECU

MiL type vECU

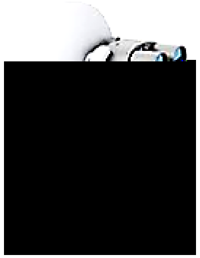


configuration for target CPU

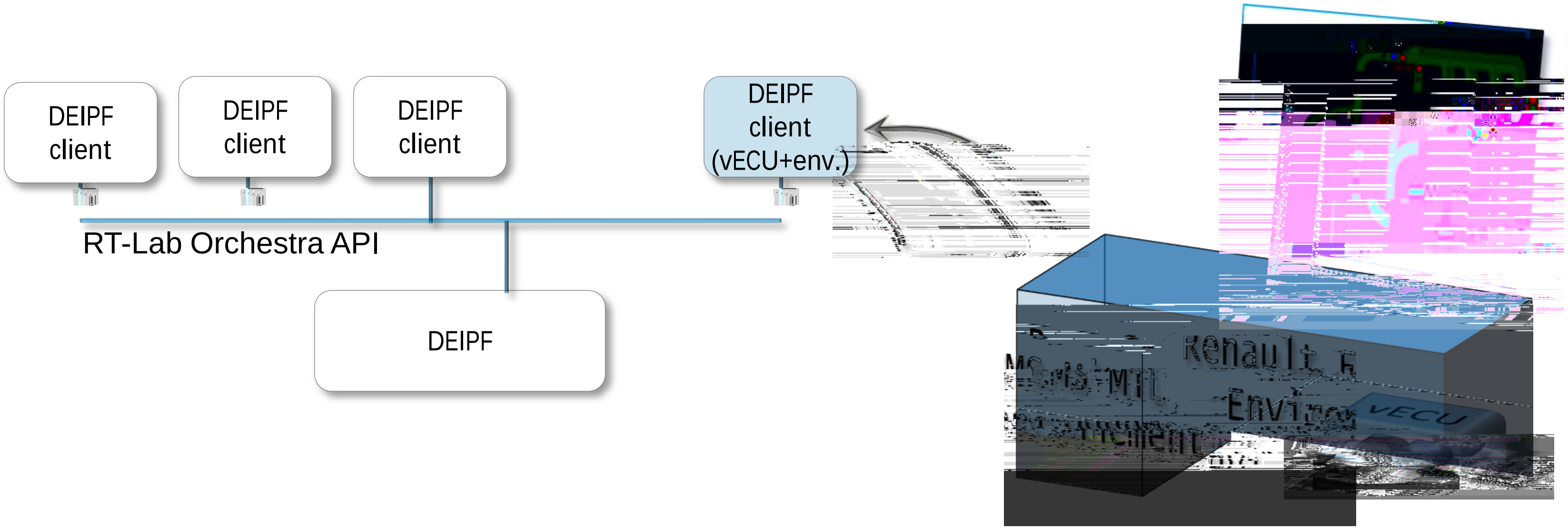
Project C code

Software Project Team

.hex



Vehicle-level simulation : Digital Electronic Integration PlatForm



Check of flow coherency between all vehicles ECUs right after model design

Intersystem Functional Validation including all vehicle ECUs

Issues detection before physical Vehicle Integration Platform tests

- Increased time on error corrections
- Lower Cost

vECU Applications

III. Related Work

V. Conclusi

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