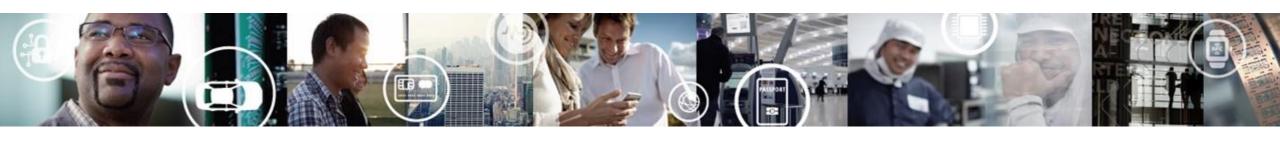
## ENHANCEMENTS FOR POWER MANAGEMENT OF INTERDEPENDENT DEVICES

DANIEL BALUTA





## **Problem description**

- devices partitioned across multiple power domains
  - -DSP integration into i.MX8 boards
  - Nvidia Tegra 124/210 X-USB system



## **Problem solution**

- [PATCH 0/9] PM / Domains: Add support for multi PM domains per device
  - Introduced by Ulf Hansson
  - almost complete solution
    - A driver needs to "manually" attach each of the PDs with dev and create the links between devices
    - Lots of duplicate code
  - Proposed enhancements
    - [RFC PATCH v2 1/2] PM / domains: Introduce multi PM domains helpers
    - drivers still needs to call PM helpers
      - dev\_multi\_pm\_attach / dev\_multi\_pm\_detach
      - Not ideal. Can we put this into PM core?

