

Date: March 22, 2021 – March 26, 2021

Project: [DWC2 Linux driver](#)

Description: Dynamic driver parameter setup.

Deliverable:

Resources: Artur Petrosyan

- **Current week accomplishments**
 - Worked on dynamically changing driver parameters
 - Debugged the start of initiating parameter update
 1. Debugging is in progress.
 2. Platform driver is not being added when dwc2 driver is loaded. It is added only if we write to “start” parameter
 3. A kernel ops arises while writing to the “start” parameter. It is a resource writing conflict with property entry
 1. Will need to dig deep in the implementation and review the review change list
 - Worked on hibernation, partial power down and clock getting patches
 - Greg replied with some comments on adding the patches to stable kernel and commit description.
 - Communicated with Thinh related to Greg’s comments
 - Rebased the power saving general patches to Greg’s testing next
 1. usb: dwc2: Add default param to control power optimization.
 2. usb: dwc2: Fix HPRT0.PrtSusp bit setting for HiKey 960 board.
 3. usb: dwc2: Prevent core suspend when port connection flag is 0
 - Tested the patches on HAPS platform
 - I have replied to Greg waiting for his confirmation and submit patches back to LKML
- **Issues**
 - None
- **Next week plan**
 - Wait for power saving general patches to be integrated to mainline and push partial power down patches.
 - Continue working on dynamically changing driver parameters
- **Other**
- **FTO**