EDK2_00_03 - FdtBusDxe support

About

Device Tree-based Platform Device Driver Development for Tiano UEFI.

Implement support for developing Tiano platform device drivers compliant to the UEFI Driver Model, by performing driver binding and configuration using a Device Tree. Such a device tree is typically either passed to UEFI by higher-privileged firmware.

Project Scope and Timelines

Review existing design with RISE stakeholders, perform necessary rework prior to submitting to TianoCore edk2. Anticipate the review to be complete by 1H. Upstreaming is not part of 1H goals.

Components and Repos.

https://github.com/intel/FdtBusPkg

Stakeholders and Partners

RISE stakeholders as part of the review/rework.

Dependencies

None.

Measure of Success

At least two RISE partners providing their vote of confidence behind the design and implementation.

RISE Requirements

None.

Status

Dependency		
Development	COMPLETED	URL: https://github.com/intel/FdtBusPkg
Development Timeline	1H 2024	
Upstreaming	TBD	URL:
Upstream version		
Contacts	Andrei Warkentin	Andrei Warkentin

Updates

When	What
February 2024	Docs complete. DtInfo, DtProp and DtReg tools added. VirtNorFlashDxe, PciSioSerialDxe, PciHostBridgeFdtDxe drivers ported. Demo video at .
January 2024	Open sourced. Work on documentation.
October 2023	Presented at the UEFI Fall 2023 Developers Conference and Plugfest. See the presentation slides.

| 2023 | Reported to RISE as a 2024 priority. |