

INFORCE[®]

C O M P U T I N G

Embedded. Connected. Aware.

SW Delivery FAQ

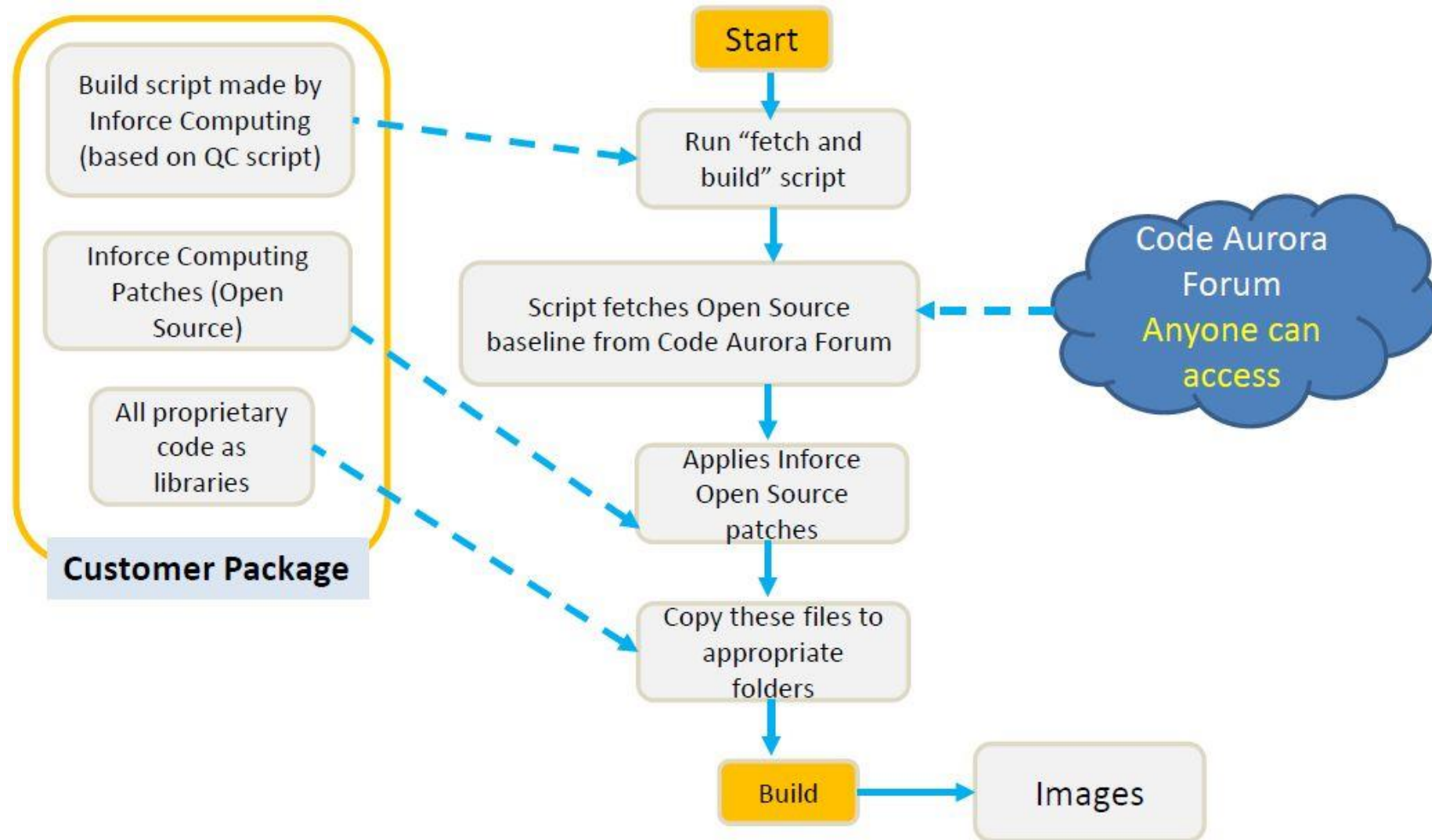
June, 2015

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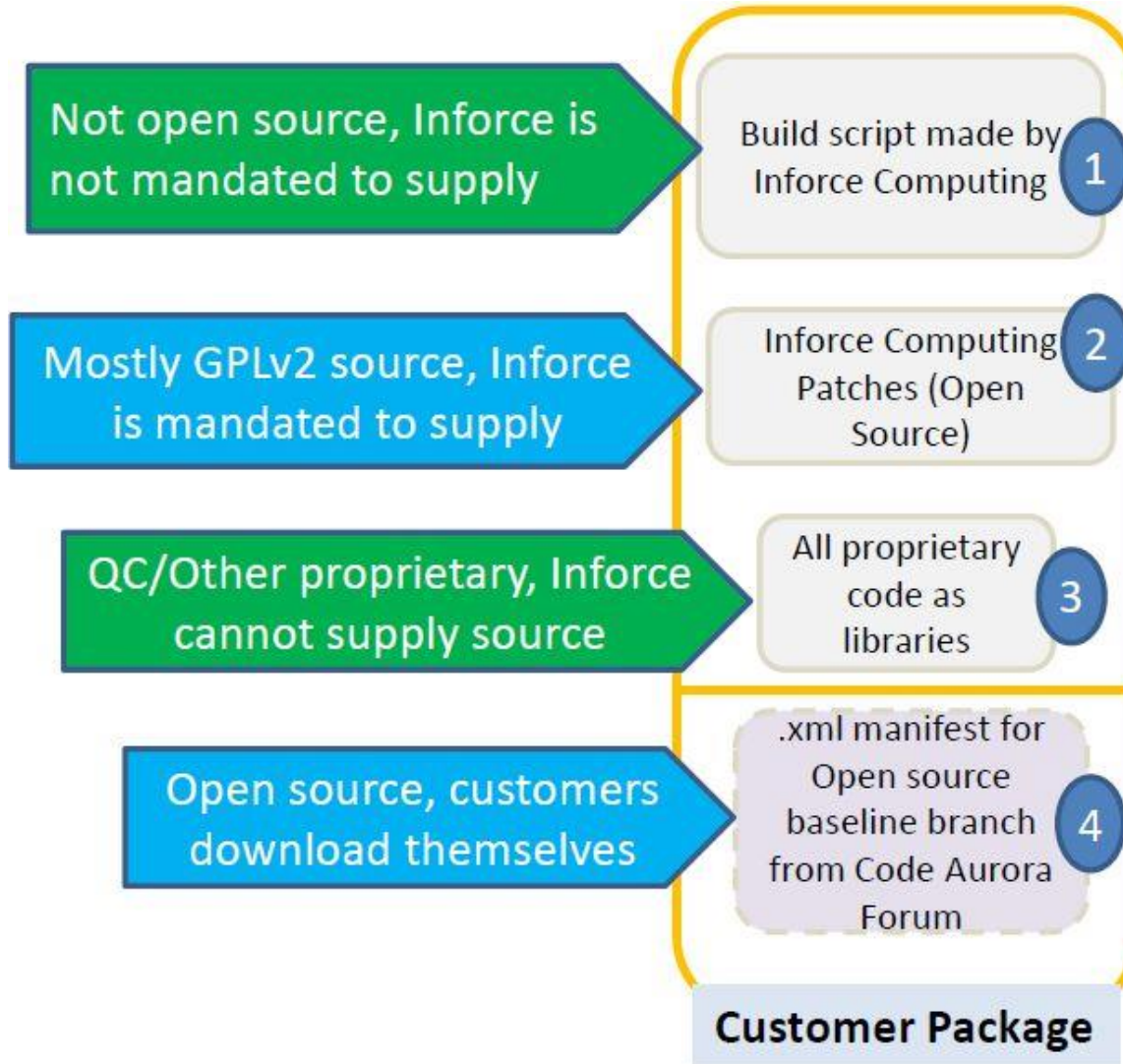


- ◆ **The overall BSP package is downloaded from the Inforce Techweb (available once board is registered), consists of**
 - Open Source drivers and OS – **source** downloaded from codeaurora.org git via correct .xml tag for the distribution (via “fetchsrc_and_build” script)
 - Proprietary IP drivers – **binary/libraries** delivery in the BSP download as a .zip file, extracted and placed by “fetchsrc_and_build” script; includes
 - » *GPU*
 - » *Camera*
 - » *HW video encode/decode*
 - » *Sensor HAL*
 - » *WLAN/BT (firmware and some settings/APIs)*
 - » *DSP (e.g., some audio codecs)*
 - IFC-added drivers – **source** as patches, extracted and placed by “fetchsrc_and_build” script
- ◆ **Lower-level boot-loaders are proprietary and are not distributed in source; ONLY provided on the board or in encrypted update package (for updates across Android releases). The exception is the high-level bootloader (“emmc_appsboot.mbn”) which is included in source.**

How Customers Build With Inforce's Package



How Customers Build With Inforce's Package



- ◆ If build with only 4
- ◆ build will succeed, but board will not boot
- ◆ If build with 2 and 4, build will fail
- ◆ If customer builds with all 4 components, he can generate fully working binary.

Note: Most boot loaders/meta-binaries are proprietary, normally provided as directly flashed on board, and not provided as source.



◆ Basic build environment

- Ubuntu 10.04 or 12.04 (LTS) OS on PC
- Open Source Tools and Java SDK installation, as described in “SYS644X/IFC641X Android Programming Guide” document, available on Inforce Techweb
- Full Eclipse-based Android development environment available as free download from “developer.android.com”



Thank You!

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