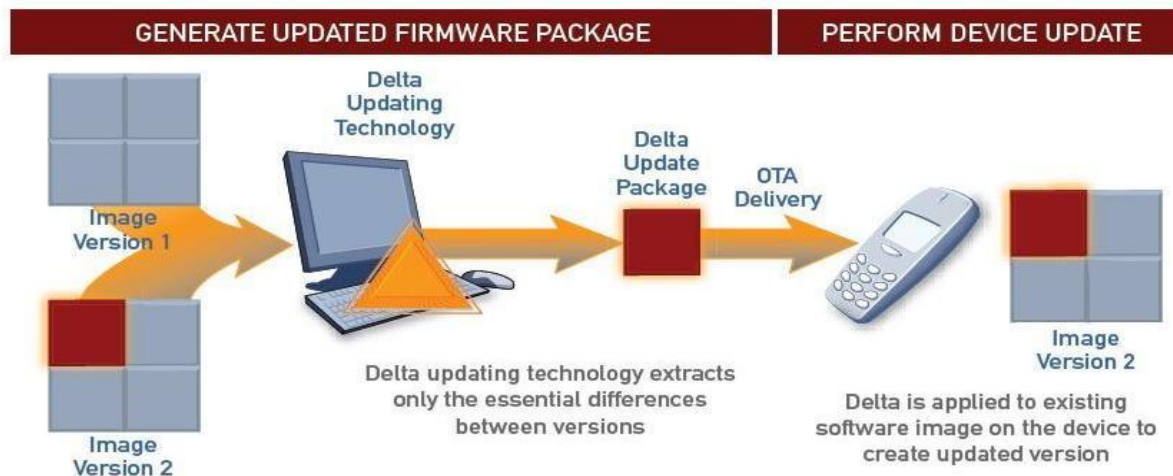


Firmware Over The Air Updater

The **Firmware Over The Air (FOTA) Updater** is a firmware module which is capable to download and update firmware wirelessly using FOTA format for mobile devices.

The **FOTA Updater** project includes development of firmware update functionality for a Boot Loader module. The Boot Loader module is a part of Convergent Linux Platform (CLP) which is used as a framework for the development of devices such as smart phones. The Firmware Updater is capable of installing a complete firmware image or partial image of FOTA format introduced by Red Bend Software.

Different types of component installation are supported like Kernel, File System components, and separate device specific files such as logos. The **FOTA Updater** checks the firmware image, verifies the signature, defines the type of the image, and installs it into the device based on the image type.



Scope

- Initial firmware investigation
- Development done on CLP
- Test plan creation
- Unit testing
- 1.5 person project
- 5 week duration

Technologies

- ALM CLP 1.1.15
- Red Bend vCurrent Mobile 4.0 Library
- Blob API
- Mainstone hardware
- C programming language

Project Management

- Weekly updated project plan and budget
- Weekly status call
- Weekly status report
- Risk management
- Microsoft project

Leading Innovation in Software Products and Services