package Diagrama de classes

CRIPTOGRAFIA

«abstract»
Crypto

+*shaGen()*
+*shaCheck()*
+*sigCheck()*

ARMAZENAMENTO SEGURO

«abstract»
SecureStorage

+*readData()*
+*writeData()*
+*eraseData()*

GERÊNCIA DE MEMÓRIA

«abstract»
FlashManager

+*flashWrite()*
+*flashErase()*
+*flashLock()*
+*flashUnlock()*
+flashReadAll()
+isFlashLocked()
+setFlashLocked()

BOOTLOADER

«abstract»
Bootloader

-state
-is_ready_to_boot

+*checkFirmwareIntegrity()*
+*checkNewFirmwareSignature()*
+*checkNewFirmwareVersion()*
+*receiveNewFirmware()*
+*hasToUpdate()*
+getState()
+setState()
+getIsReadyToBoot()
+setIsReadyToBoot()
+launchFirmware()

COMUNICAÇÃO

«abstract»
Comm

-buffer
-has_data

+*sendData()*
+*getData()*
+hasData()

TROCA DE CONTEXTO

«abstract»
Switcher

+*goToSecure()*
+*goToNonSecure()*