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Exceptions in the firmware

Cortex M0/M0+ header files

Located under

- sw/nss/lib_chip_nss/inc/core_cmOplus.h
- sw/nss/lib_chip_nss/inc/core_cmFunc.h
- sw/nss/lib_chip_nss/inc/core_cmInstr.h

Origin: https://arm-software.github.io/CMSIS 5/Core/html/index.html

License: These files can be freely distributed within development tools that are supporting

ARM Cortex-M processor based microcontrollers.

Copyright (C) 2009-2012 ARM Limited. All rights reserved.

Heatshrink

Heatshrink is an open-source library, allowing lossless compression and decompression on an embedded system with limited resources.

Located under sw/nss/mods/compress/heatshrink

Origin: https://github.com/atomicobject/heatshrink

SPDX-License-Identifier: ISC

Copyright (c) 2013-2015, Scott Vokes vokes.s@gmail.com

Chaskey

Chaskey is an efficient MAC algorithm for microcontrollers, standardized in <u>ISO/IEC 29192-6</u>. It is intended for applications that require 128-bit security but have stringent requirements on speed, energy consumption or code size.

Located under sw/nss/mods/mac/chaskey/chaskey-speed.c

Origin: https://github.com/atomicobject/heatshrink

SPDX-License-Identifier: CC0-1.0

Written in 2014 by Nicky Mouha, based on SipHash

Located under sw/nss/mods/mac/chaskey/chaskey.h

Origin: https://github.com/hutorny/chaskey

SPDX-License-Identifier: MIT

Copyright (c) 2017 Eugene Hutorny

Exceptions in the host tooling

dfu-util

dfu-util is a host side implementation of the DFU 1.0 and DFU 1.1 specifications of the USB forum. DFU is intended to download and upload firmware to/from devices connected over USB.

Located under tools/flashmagic/gangprogramming

Origin: http://sourceforge.net/p/dfu-util/

SPDX-License-Identifier: GPL-2.0

Copyright 2005-2009 Weston Schmidt, Harald Welte and OpenMoko Inc.

Copyright 2010-2016 Tormod Volden and Stefan Schmidt

Mass mode added by ESAcademy, Inc. 2017

Exceptions in the host code, targeting multiple platforms using XF

FusionCharts

FusionCharts is a commercial Javascript library from FusionCharts, providing charts for mobile and web applications.

Located under sw/XF/shared/Js

Origin: https://www.fusioncharts.com/

License: NXP has been granted the right to use the evaluation version of the library in the iOS and macOS demo applications present in this SDK. This right is non-transferable: you must check and adhere to their license for each and every use. The license for the evaluation version that is included, is located at

sw/XF/shared/Js/FusionChart/FusionCharts Suite License Agreement -

Evaluation.rtf

Copyright FusionCharts - An Idera, Inc. Company. All Rights Reserved.

Microsoft NuGets - part 1

- Xamarin.Android.Support.Compat
- Xamarin.Android.Support.CustomTabs
- Xamarin.Android.Support.Design
- Xamarin.Android.Support.v7.AppCompat
- Xamarin.Android.Support.v7.CardView
- Xamarin.Android.Support.v7.MediaRouter
- Xamarin.AndroidX.MediaRouter
- Xamarin.Forms
- Xamarin.Essentials

Located under sw/XF as part of the binary offering, included during the building process.

Origin: Delivered by Microsoft as part of Microsoft Visual Studio

SPDX-License-Identifier: MIT

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Microsoft NuGets - part 2

- Xamarin.Android.Support.v4
- Xamarin.AndroidX.Palette

Located under sw/XF/NHS31xxDownloader as part of the binary offering, included during the building process.

Origin: Delivered by Microsoft as part of Microsoft Visual Studio

SPDX-License-Identifier: MIT

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Microsoft NuGets - part 3

- · System.Buffers
- System.Runtime.CompilerServices.Unsafe

Located under sw/XF/Monitor and sw/XF/TLogger as part of the binary offering, included during the building process.

Origin: Delivered by Microsoft as part of Microsoft Visual Studio

SPDX-License-Identifier: MIT

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Microsoft NuGets - part 4

• Microsoft.Extensions.Hosting

Located under sw/xF/signedurl as part of the binary offering, included during the building process.

Origin: Delivered by Microsoft as part of Microsoft Visual Studio

SPDX-License-Identifier: MIT

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Microsoft NuGets - part 5

• Microsoft.NETCore.UniversalWindowsPlatform

Located under sw/XF as part of the binary offering, included during the building process.

Origin: Delivered by Microsoft as part of Microsoft Visual Studio

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Microsoft NuGets - part 6

Win2D.uwp

Located under sw/XF/Monitor and sw/XF/TLogger as part of the binary offering, included during the building process.

Origin: Delivered by Microsoft as part of Microsoft Visual Studio

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NdefLibrary

NdefLibrary provides a set of classes that enable you to easily work with NDEF records on top of the Windows Proximity APIs, from Andreas Jakl.

Located under sw/XF as part of the binary offering, included during the building process.

Origin: https://andijakl.github.io/ndef-nfc/

SPDX-License-Identifier: LGPL-3.0

Copyright (C) 2007 Free Software Foundation, Inc. http://fsf.org/

Newtonsoft.Json

Newtonsoft. Json is a high-performance JSON framework for .NET, from James Newton-King.

Located under sw/XF as part of the binary offering, included during the building process.

Origin: https://www.newtonsoft.com/json

SPDX-License-Identifier: MIT

Copyright (c) _

PCSC

PCSC implements partial ISO7816 support (APDU etc.) and contains classes to access the Personal Computer/Smart Card Resource Manager using the system's native PC/SC API, from Daniel Mueller.

Located under sw/XF as part of the binary offering, included during the building process.

Origin: https://github.com/danm-de/pcsc-sharp

SPDX-License-Identifier: BSD-2-Clause

Copyright (c) 2007-2019 Daniel Mueller daniel@danm.de

Plugin.CurrentActivity

Plugin.CurrentActivity is a solution for getting access to the current Activity of the application, from James Montemagno.

Located under sw/XF/Monitor and sw/XF/TLogger as part of the binary offering, included during the building process.

Origin: https://github.com/jamesmontemagno/CurrentActivityPlugin

SPDX-License-Identifier: MIT

Copyright (c) 2016 James Montemagno

Prism.Forms

Prism provides an implementation of a collection of design patterns that are helpful in writing XAML applications. Prism for Xamarin.Forms helps you design and build Xamarin.Forms applications.

Located under sw/XF/NHS31xxDownloader as part of the binary offering, included during the building process.

Origin: https://github.com/jamesmontemagno/CurrentActivityPlugin

SPDX-License-Identifier: MIT Copyright (c) .NET Foundation

Refractored.MvvmHelpers

Refractored.MvvmHelpers is a collection of MVVM Helpers such as ObservableRangeCollection, BaseViewModel, Grouping, and others, from James Montemagno.

Located under sw/XF as part of the binary offering, included during the building process.

Origin: https://github.com/jamesmontemagno/mvvm-helpers

SPDX-License-Identifier: MIT

Copyright (c) 2017 James Montemagno

Rg.Plugins.Popup

Rg.Plugins.Popup is a plugin for Xamarin forms and allows you to open any page as a popup, from rotorgames.

Located under sw/XF as part of the binary offering, included during the building process.

Origin: https://github.com/rotorgames/Rg.Plugins.Popup

SPDX-License-Identifier: MIT

SharpCompress

SharpCompress is a compression library for NET that can compress and decompress various formats.

Located under sw/xF/NHS31xxDownloader as part of the binary offering, included during the building process.

Origin: https://github.com/mono/SkiaSharp

SPDX-License-Identifier: MIT

Copyright (c) 2015-2016 Xamarin, Inc.

Copyright (c) 2017-2018 Microsoft Corporation.

SkiaSharp

SkiaSharp provides a 2D API that can be used across mobile, server and desktop models to render images, from Microsoft.

Located under sw/XF as part of the binary offering, included during the building process.

Origin: https://github.com/mono/SkiaSharp

SPDX-License-Identifier: MIT

Copyright (c) 2015-2016 Xamarin, Inc.

Copyright (c) 2017-2018 Microsoft Corporation.

SQLite-net

SQLite-net is a light weight library providing easy SQLite database storage for .NET, Mono, and Xamarin applications, from Frank A. Krueger.

Located under sw/xF/Monitor and sw/xF/TLogger as part of the binary offering, included during the building process.

Origin: https://github.com/praeclarum/sqlite-net

SPDX-License-Identifier: MIT License Copyright (c) Krueger Systems, Inc.

SQLiteNetExtensions

SQLiteNetExtensions is an ORM that provides operations and relationships on top of the sqlitenet library, from TwinCoders.

Located under sw/XF/Monitor and sw/XF/TLogger as part of the binary offering, included during the building process.

Origin: https://bitbucket.org/twincoders/sqlite-net-extensions

SPDX-License-Identifier: MIT

Copyright (C) 2013 TwinCoders S.L.

SQLitePCLRaw

SQLitePCLRaw is a set of Portable Class Libraries (PCL) for low-level (raw) access to SQLite, from Eric Sink, D. Richard Hipp, et al.

Located under sw/XF/Monitor and sw/XF/TLogger as part of the binary offering, included during the building process.

Origin: https://github.com/ericsink/SQLitePCL.raw

SPDX-License-Identifier: Apache-2.0 Copyright 2014-2021 SourceGear, LLC

Timestamp

Timestamp stamps an assembly with a timestamp.

Located under:

• sw/xF/Monitor as part of the binary offering, included during the building process.

Origin: https://github.com/wilsonvargas/ScreenshotPlugin

SPDX-License-Identifier: MIT

Copyright (c) 2013 NServiceBus Ltd

Xam.Plugin.Screenshot

Xam.Plugin.Screenshot is a plugin for Xamarin forms and allows you to take screenshots from any platform, from Wilson Vargas. *It is modified by NXP to add support for macOS.*

Located under:

- sw/XF/nuget/src/Screenshot
- sw/XF/nuget/Xam.Plugin.Screenshot.NTAG.1.0.3.nupkg
- sw/XF/Monitor as part of the binary offering, included during the building process.

Origin: https://github.com/wilsonvargas/ScreenshotPlugin

SPDX-License-Identifier: MIT Copyright (c) 2017 Wilson Vargas

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Xamarin.Forms.BehaviorsPack

Xamarin.Forms.BehaviorsPack is a is Behavior class library for Xamarin.Forms and facilitates the implementation of interaction between the View and the ViewModel when using an MVVM pattern, from Atsushi Nakamura.

Located under sw/XF/Signedur1 as part of the binary offering, included during the building process.

Origin: https://github.com/enisn/Xamarin.Forms.InputKit

SPDX-License-Identifier: MIT

Copyright (c) 2017 Atsushi Nakamura

Xamarin.Forms.InputKit

Xamarin.Forms.InputKit includes controls to get inputs easily from users and make validation easier, from enisn.

Located under sw/XF as part of the binary offering, included during the building process.

Origin: https://github.com/enisn/Xamarin.Forms.InputKit

SPDX-License-Identifier: MIT Copyright (c) 2018 Enis Necipoglu

Xamarin.Forms.PancakeView

Xamarin.Forms.PancakeView is an extended ContentView for Xamarin.Forms with rounded corners, borders, and shadows.

Located under sw/xF/NHS31xxDownloader as part of the binary offering, included during the building process.

Origin: https://github.com/sthewissen/Xamarin.Forms.PancakeView

SPDX-License-Identifier: MIT

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