



STM32-CoPro-MPU plugin release note



Contents

1. STM32-CoPro-MPU plugin release note	3
2. STM32-CoPro-MPU plugin for SW4STM32	5



STMicroelectronics reserves the right to modify the information contained in this document without notice.

A quality version of this page, approved on *10 October 2019*, was based off this revision.

More information can be found in the detailed release notes referenced later in this article.



SW4TM32 - System Workbench for STM32 2.9.0 - STM32-CoPro-MPU plugin

The **STM32-CoPro-MPU** plugin, based onto the *System Workbench for STM32* (SW4STM32), targets the support of Cortex[®]-M core contained in the STM32MP1 Family.

It is included in **System Workbench for STM32** from version 2.9.0.

It provides:

- the target status widget,
- the console management,
- the project creation, compilation and debug in two modes:
 - **Engineering Mode**,
 - **Production Mode**, with Cortex[®]-M firmware download :
 - via Ethernet Network (LAN or Point-to-Point)
 - via Ethernet over USB
- the remote system explorer configuration

It is available on Linux[®] and Windows[®] platforms.

Upgrading your System Workbench, **STM32-CoPro-MPU** plugin can be installed using the *System Workbench for STM32 - Updates* in menu *Windows > Preferences > Install/Update > Available Software Site*.

The installation is then the standard Eclipse one: *Help > Install New Software...*

In order to access to the Ac6 site, take care to configure proxy at Eclipse level: in *Windows > Preferences > General > Network Connections*; Active Provider set to *Manual*.

Then after selecting *HTTP* proxy entry, click *Edit...* and enter your proxy setup.

	IDE for Linux [®] host PC	IDE for Windows [®] host PC
Download	STM32-CoPro-MPU plugin in SW4STM32 2.9.0 <ul style="list-style-type: none"> • Download the all-in-one Linux installer 2.9 install_sw4stm32_linux_64bits-v2.9.run from openstm32.org 	STM32-CoPro-MPU plugin in SW4STM32 2.9.0 <ul style="list-style-type: none"> • Download the all-in-one Windows installer 2.9 install_sw4stm32_win_64bits-v2.9.exe from openstm32.org
	<ul style="list-style-type: none"> • Run the installation script 	<ul style="list-style-type: none"> • Run the installation exe



	IDE for Linux® host PC	IDE for Windows® host PC
Installation	<pre>\$ chmod +x install_sw4stm32_lin ux_64bits-v2.9.run \$. /install_sw4stm32_li nux_64bits-v2.9.run</pre> <ul style="list-style-type: none"> • Then follow instructions given on openstm32.org • When the installation is over, to use the tool, you can follow instruction given in <i>STM32-CoPro-MPU plugin for SW4STM32</i> or in the detailed release note. 	<pre>\$ install_sw4stm32_win _64bits-v2.9.exe</pre> <ul style="list-style-type: none"> • Then follow instructions given on openstm32.org • When the installation is over, to use the tool, you can follow instruction given in <i>STM32-CoPro-MPU plugin for SW4STM32</i> or in the detailed release note.
Detailed release notes	Details about the content of this tool version are available on openstm32.org	Details about the content of this tool version are available on openstm32.org

Microprocessor Unit

(Software) Integrated development/design/debugging environment

Stable: 09.10.2019 - 16:12 / Revision: 09.10.2019 - 16:12

A quality version of this page, approved on 9 October 2019, was based off this revision.

Contents

1 System Workbench for STM32 - STM32-CoPro-MPU Plugin	6
1.1 Overview	6
1.2 Perspectives	6
1.2.1 C/C++ Perspective	6
1.2.2 Debug Configuration	7
1.3 Documentation	8



1 System Workbench for STM32 - *STM32-CoPro-MPU* Plugin

1.1 Overview

In order to support the STM32 MPU Family, ST provides **STM32-CoPro-MPU** plugin which completes **SystemWorkbench for STM32** from **Ac6**.

This plugin is delivered in SW4STM32 from version 2.9.0.

This plugin addresses the **Cortex[®]-M** located inside the **STM32MP1** Series. It provides:

- Target Status Widget
- Console Management
- Cortex[®]-M Project Creation, Compilation and Debug in two modes:
 - **Engineering Mode**, with Cortex[®]-M firmware download via JTAG/SWD
 - **Production Mode**, with Cortex[®]-M firmware download :
 - via Ethernet Link to the LAN or Point-to-Point
 - via Ethernet-over-USB for point-to-point connection
- Support of **STM32CubeMX** generated projects
- Remote Target Path project property (for Production Mode)
- Remote System Explorer configuration

It is available on **Linux[®]** and **Windows[®]** platforms.

Information

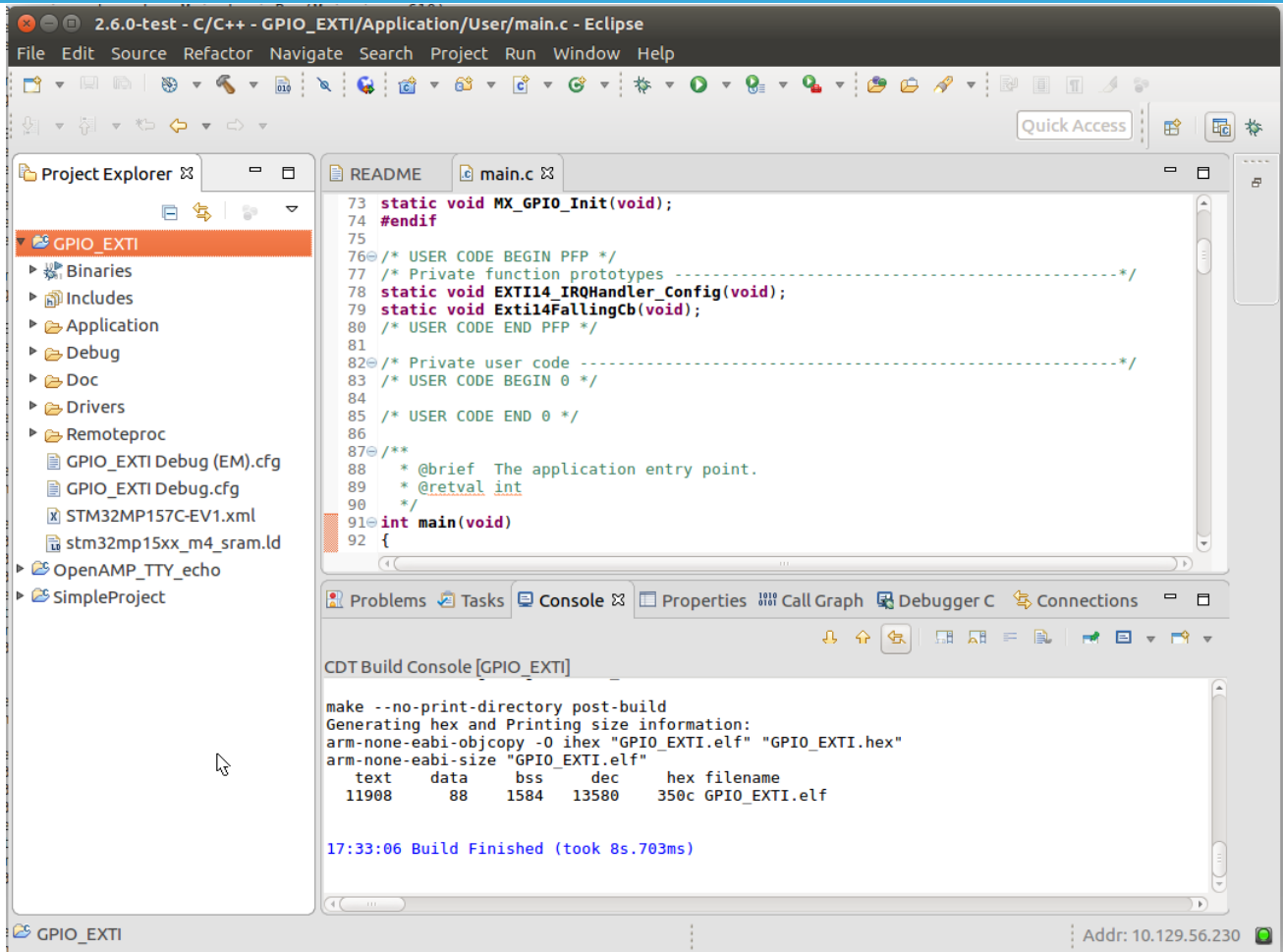
Note:

- Please refer to article [Introduction to boot mode](#) to get more information about **Production** and **Engineering** modes

1.2 Perspectives

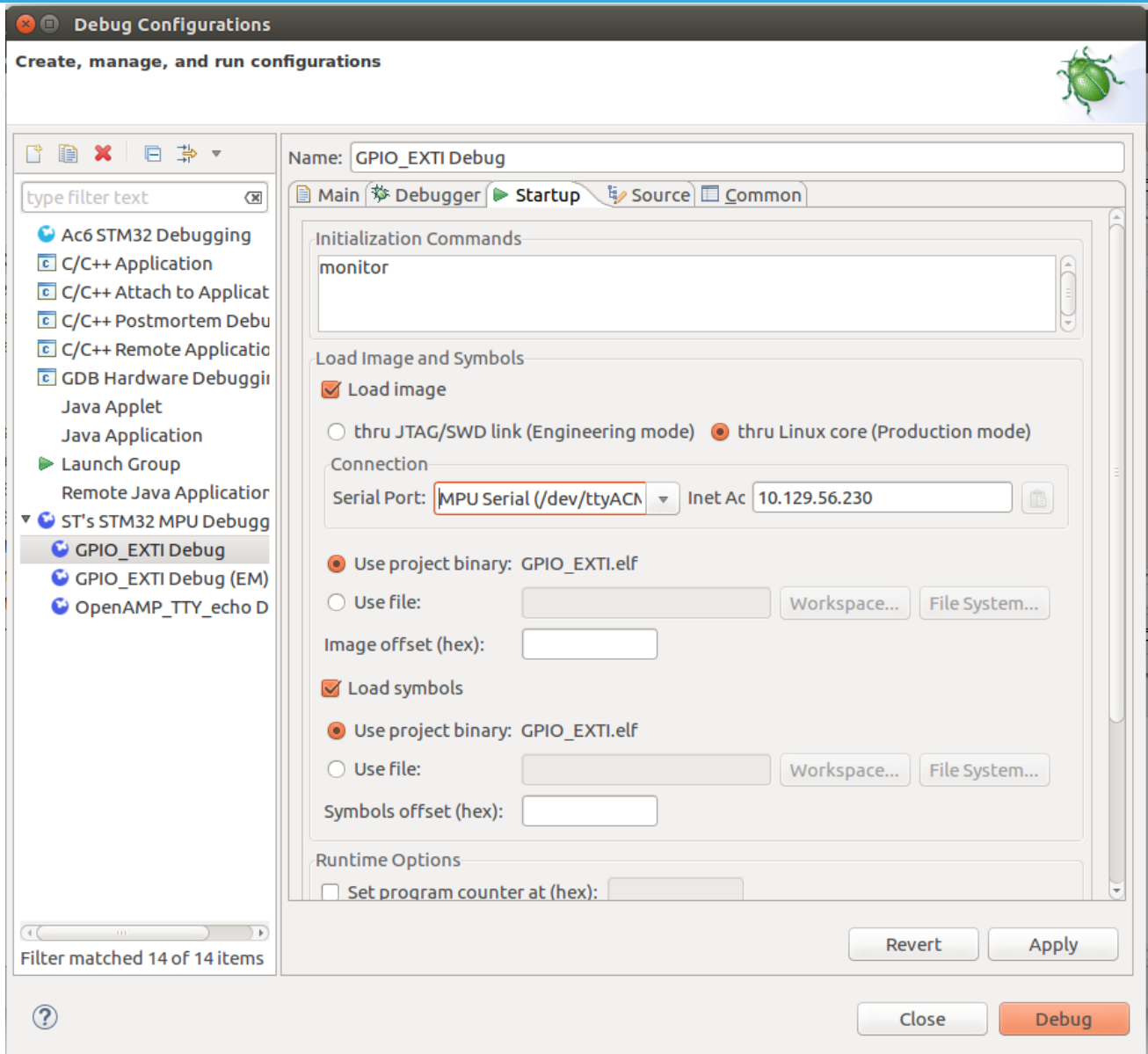
1.2.1 C/C++ Perspective

C/C++ Perspective allows to build a Cortex-M project for **STM32MP1** boards (STM32MP157C-EV1 and STM32MP157C-DK2)



1.2.2 Debug Configuration

Debug Configuration allows to select Production or Engineering modes.



1.3 Documentation

- The **STM32-CoPro-MPU** plugin is delivered with **SystemWorkbench for STM32** available on **OpenSTM32** Community site
- The **Help > Help Contents** available inside the Eclipse IDE includes a dedicated section **STM32 MCU User Guide > Micro Processor Unit (MPU) Family - MCU support**
 - Project creation
 - Build configuration
 - Target management
 - Debug an MCU application
 - Remote System Explorer
 - Tips and tricks

Microprocessor Unit



debug and test protocol, named from the Joint Test Action Group that developed it

Serial Wire Debug

(Software)Integrated development/design/debugging environment

Microcontroller Unit (MCUs have internal flash memory and are intended to operate with a minimum amount of external support ICs. They commonly are a self-contained, system-on-chip (SoC) designs.)