



STM32MP1 Distribution Package - OpenSTLinux distribution



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This article aims to give the following information:

- How to download and install the **latest** OpenSTLinux distribution for the STM32 microprocessors Series
- Where to find the associated release note
- Where to find the previous releases (archives)



For more specific information, go through the [Distribution Package](#) article relative to your **STM32 microprocessors Series**: [Category:Distribution Package](#)

Contents


1 STM32MP15-Ecosystem-v1.2.0 release	2
2 Archives	4
2.1 STM32MP15-Ecosystem-v1.1.0 release	4
2.2 STM32MP15-Ecosystem-v1.0.0 release	6

1 STM32MP15-Ecosystem-v1.2.0 release

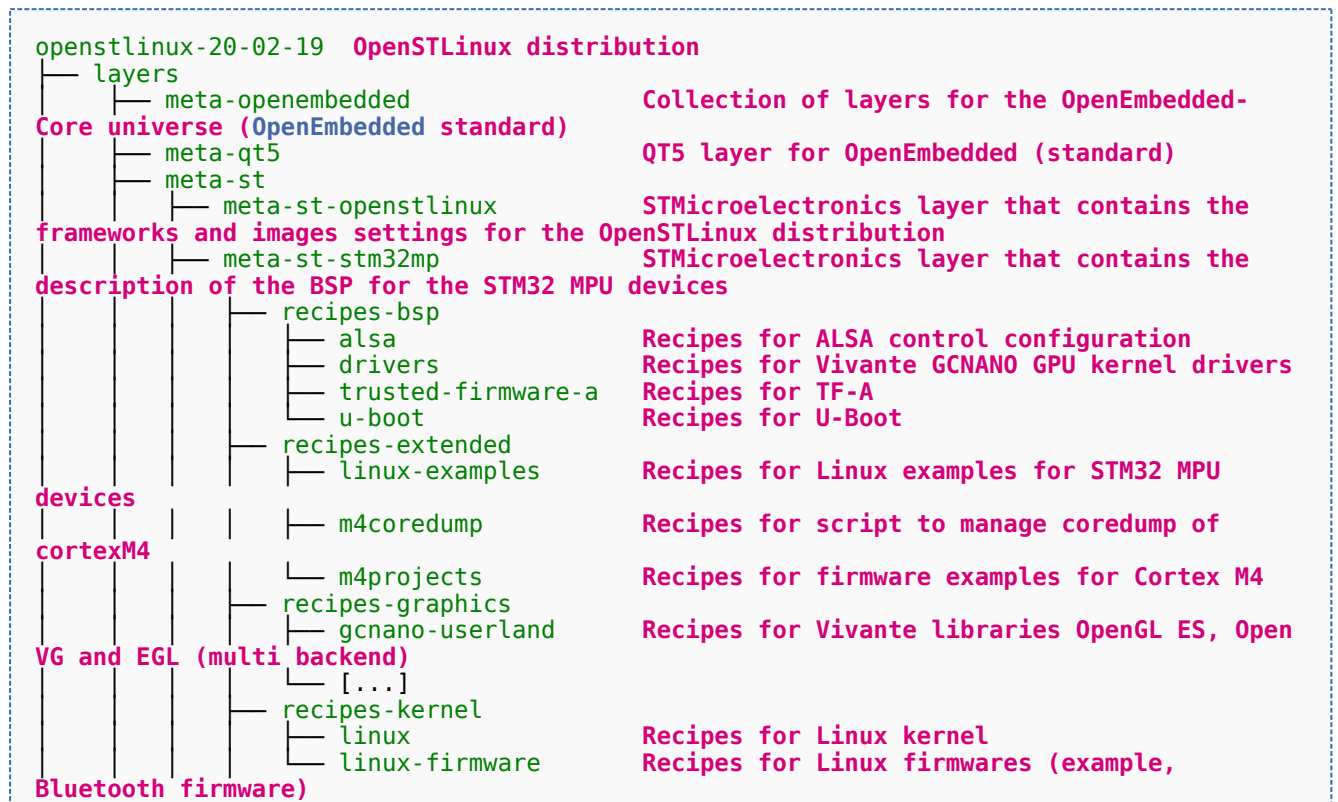
- The STM32MP1 OpenSTLinux distribution is delivered through a manifest repository location and a manifest revision ([openstlinux-20-02-19](#)).
- The installation relies on the `repo` command. In case the Repo tool (a Google-built repository management tool that runs on top of Git) is not yet installed and configured on the host PC, refer to the [PC prerequisites](#) article.
- The OpenSTLinux distribution is massively using open source software (OSS) packages that are downloaded from a variety of open source repositories; so it is required that the IT infrastructure proxies do not forbid such accesses. If some proxy-related issues are suspected, refer to the [How to avoid proxy issues](#) article.
- Install the STM32MP1 OpenSTLinux distribution

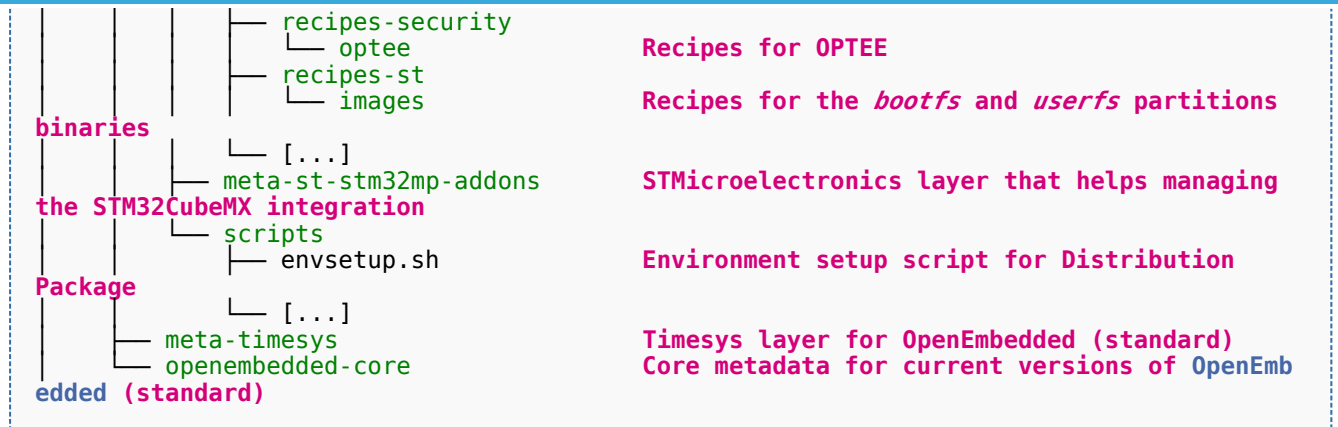
STM32MP1 Distribution Package OpenSTLinux distribution - STM32MP15-Ecosystem-v1.2.0 release	
	<ul style="list-style-type: none"> • Go to the host PC directory where to install the Distribution Package (<i><Distribution Package installation directory></i>). Example, if following the proposition to organize the working directory: <pre style="border: 1px dashed black; padding: 5px; margin: 5px 0;">\$ cd <working directory path>/Distribution-Package</pre> • Create the OpenSTLinux distribution installation sub-directory: <pre style="border: 1px dashed black; padding: 5px; margin: 5px 0;">\$ mkdir openstlinux-20-02-19 \$ cd openstlinux-20-02-19</pre> • Initialize repo in the current directory (More details on 'repo init' here).



	STM32MP1 Distribution Package OpenSTLinux distribution - STM32MP15-Ecosystem-v1.2.0 release
Installation	<p style="color: magenta;">For Ubuntu 16.04 you should use the legacy repo, procedure to install here</p> <pre style="border: 1px dashed black; padding: 5px;">\$ repo init -u https://github.com/STMicroelectronics/oe-manifest.git -b refs/tags/openstlinux-20-02-19</pre> <p>Note: "ERROR 404" may appear during "repo init" command without any impact on the process</p> <ul style="list-style-type: none"> Synchronize the local project directories with the remote repositories specified in the manifest (more details on 'repo sync' here) <pre style="border: 1px dashed black; padding: 5px;">\$ repo sync</pre> <p>Note: <i>Distribution package</i> needs around 140MB to be installed (and around 25GB once <i>distribution package</i> is compiled).</p>
Release note	<p>Details about the content of this software package are available in the associated STM32MP15 ecosystem release note.</p> <p> If interested in previous releases, go through the archives of the ecosystem release note.</p>

- The **OpenSTLinux distribution installation directory** is in the *<Distribution Package installation directory>*, and is named `openstlinux-20-02-19`:






2 Archives

2.1 STM32MP15-Ecosystem-v1.1.0 release

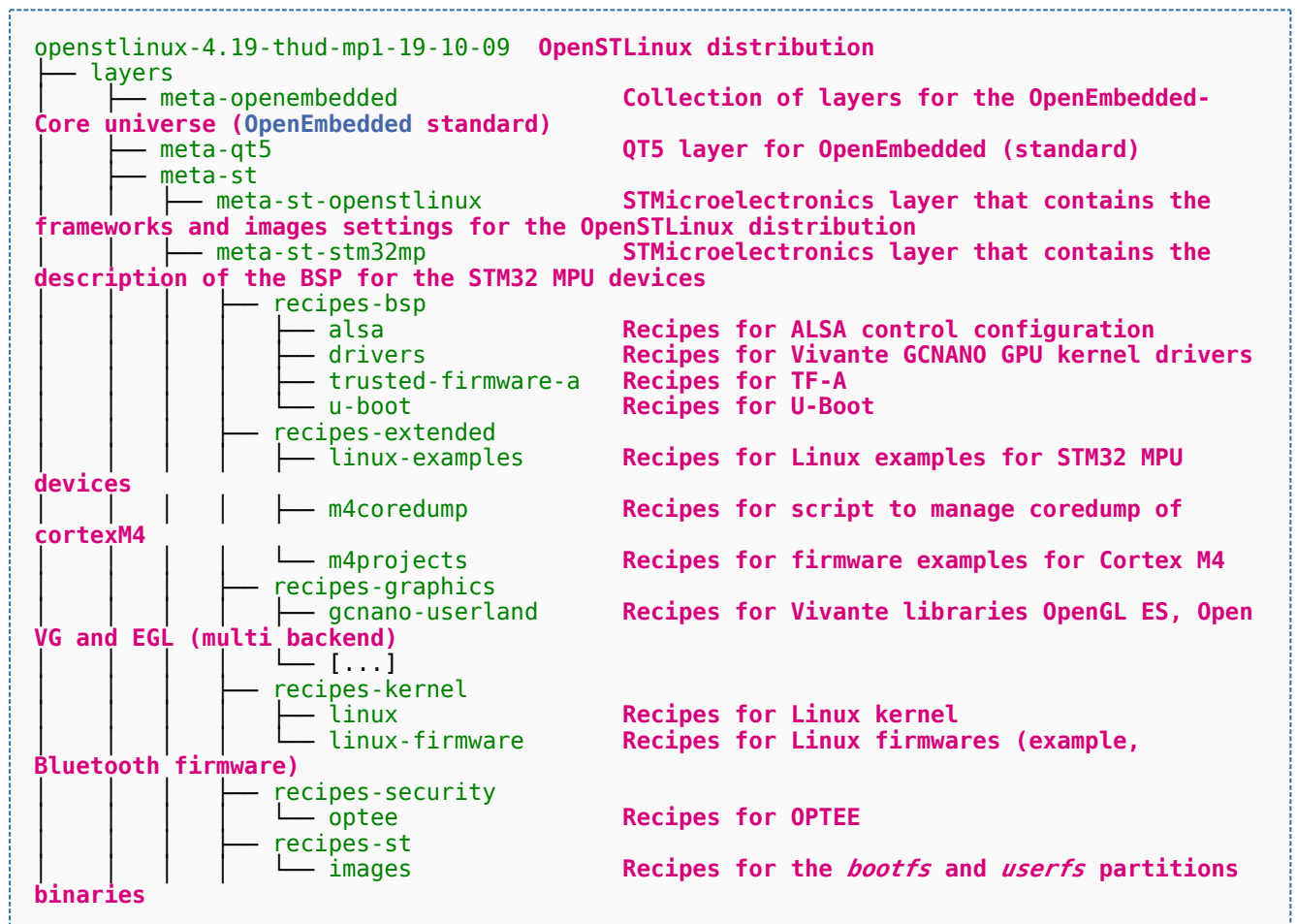
- The STM32MP1 OpenSTLinux distribution is delivered through a manifest repository location and a manifest revision ([openstlinux-4.19-thud-mp1-19-10-09](#)).
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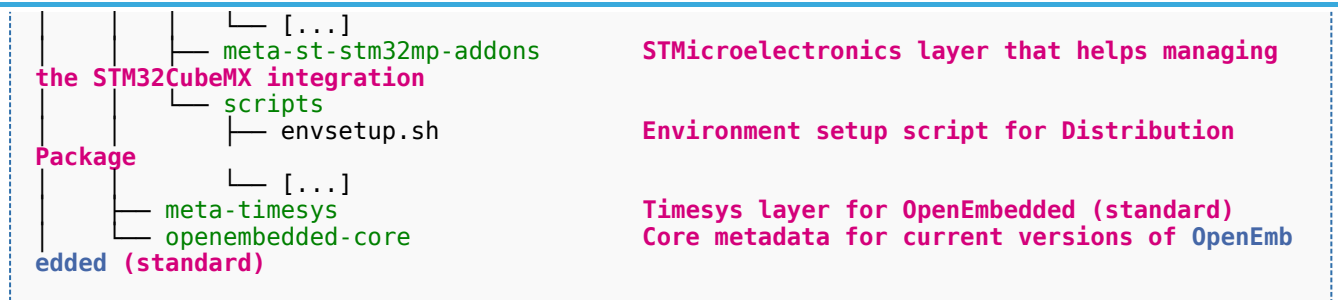
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2.2 STM32MP15-Ecosystem-v1.0.0 release

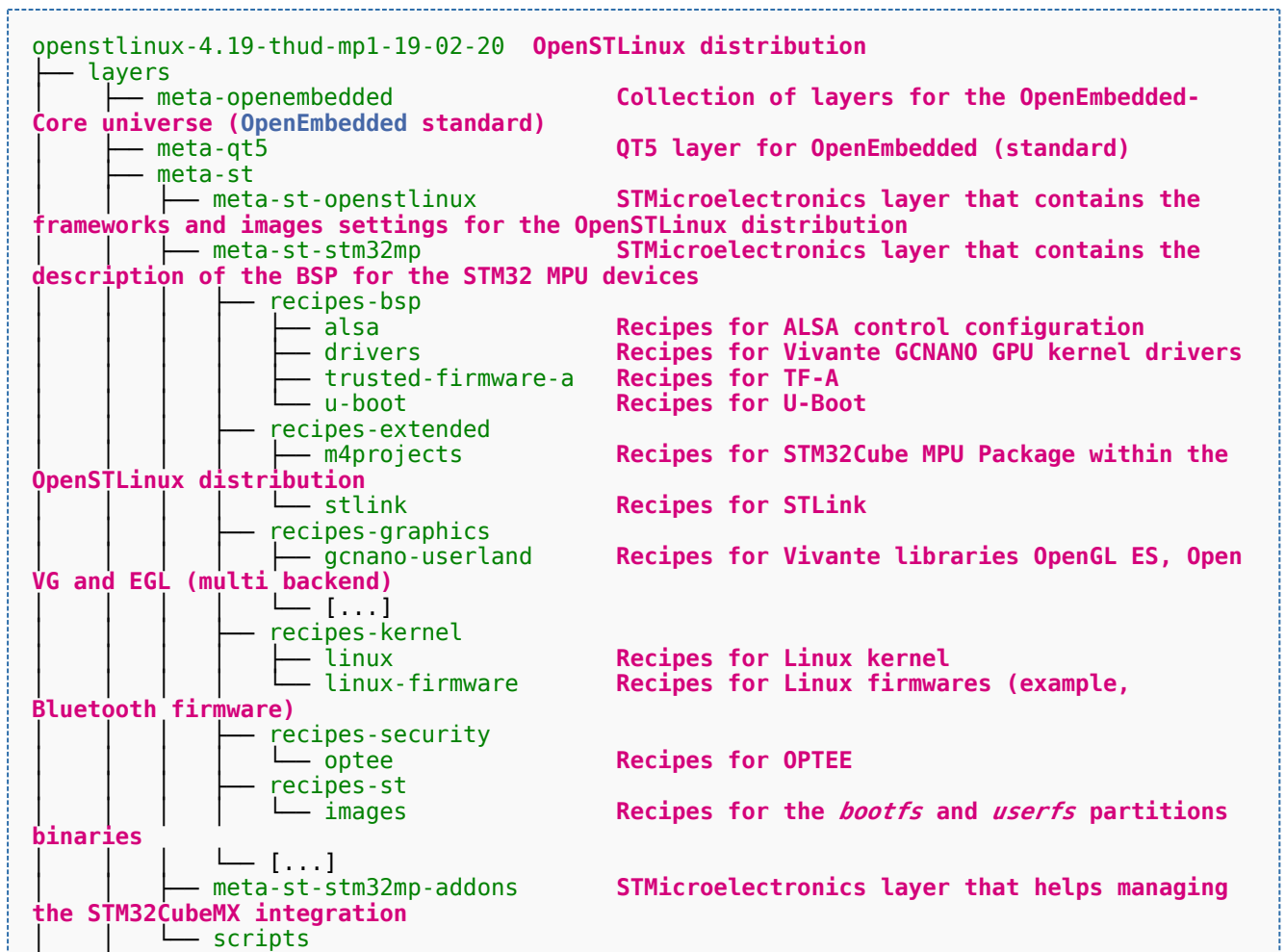
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STM32MP1 Distribution Package OpenSTLinux distribution - STM32MP15-Ecosystem-v1.0.0 release	
	<p>Note: "ERROR 404" may appear during "repo init" command without any impact on the process</p> <ul style="list-style-type: none">• Synchronize the local project directories with the remote repositories specified in the manifest <p>Details:</p> <p>If a local project does not yet exist, the command clones a new local directory from the remote repository and sets up tracking branches as specified in the manifest.</p> <p>If the local project already exists, the command updates the remote branches and rebases any new local changes on top of the new remote changes.</p> <pre>\$ repo sync</pre>
Release note	Details about the content of this software package are available in the associated STM32MP15 ecosystem release note .

- The **OpenSTLinux distribution installation directory** is in the *<Distribution Package installation directory>*, and is named *openstlinux-4.19-thud-mp1-19-02-20*:





Open Source Software

Board support package

Microprocessor Unit

Advanced Linux sound architecture

Graphics Processing Units

Trusted Firmware for Arm Cortex-A

Das U-Boot -- the Universal Boot Loader (see [U-Boot_overview](#))

Open Graphics Library (See <http://www.opengl.org/> for more details)

Open Vector Graphics (See <http://www.khronos.org/opencv/> for more details)

Khronos Native Platform Graphics Interface (See <http://www.khronos.org/egl/> for more details)

ST in-circuit debugger and programmer for the STM8 and STM32 microcontroller families (See [ST-LINK](#) for more details)