



# STM32MP1 Distribution Package - OpenSTLinux distribution



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# STM32MP1 Distribution Package - OpenSTLinux distribution

Stable: 24.06.2020 - 11:52 / Revision: 24.06.2020 - 11:42

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](#)

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## 1 STM32MP15-Ecosystem-v1.2.0 release

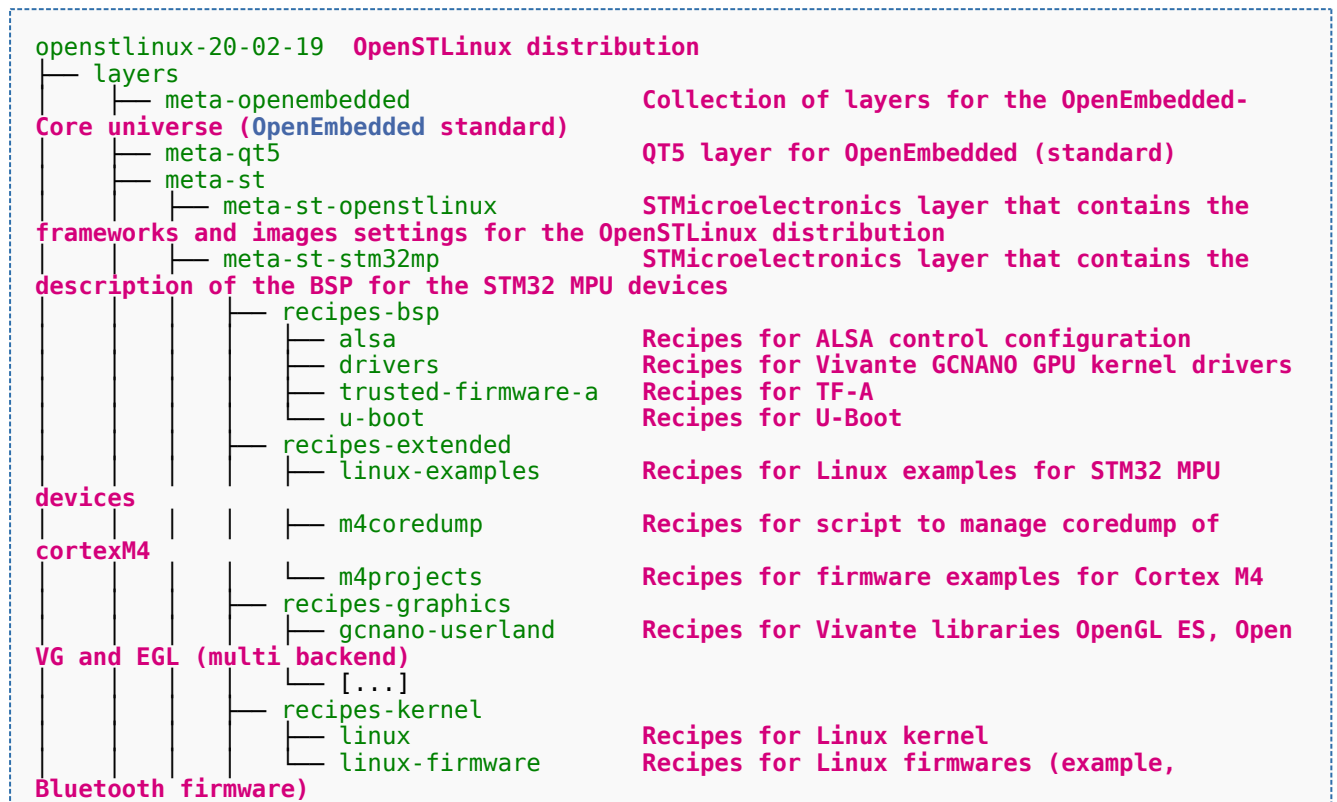
- The STM32MP1 OpenSTLinux distribution is delivered through a manifest repository location and a manifest revision ([openstlinux-20-02-19](#)).
- The installation relies on the `repo` command. In case the Repo tool (a Google-built repository management tool that runs on top of Git) is not yet installed 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

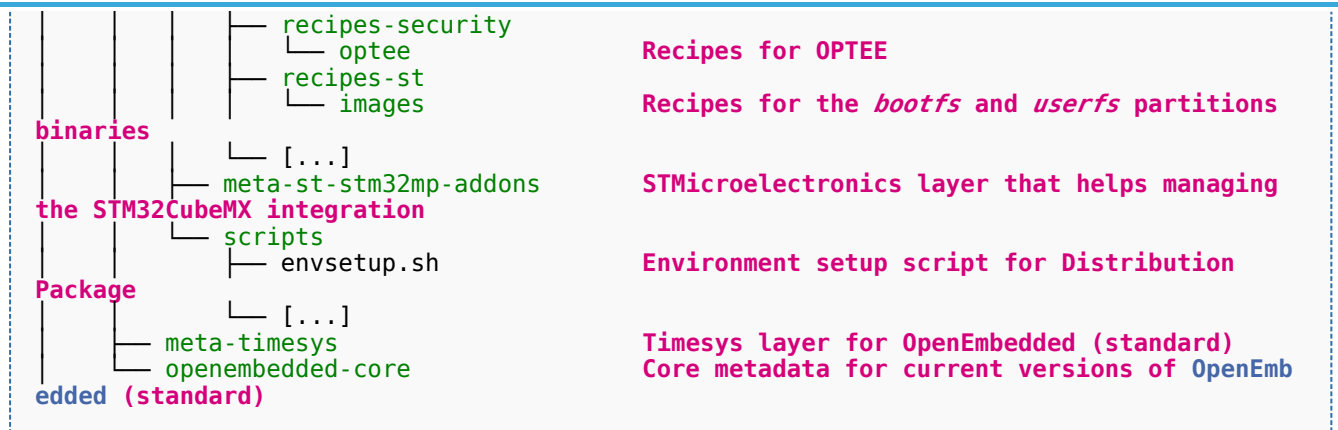
STM32MP1 Distribution Package OpenSTLinux distribution - STM32MP15-Ecosystem-v1.2.0 release	
	<ul style="list-style-type: none"> <li>• Go to the host PC directory where to install the Distribution Package (<i>&lt;Distribution Package installation directory&gt;</i>). Example, if following the <a href="#">proposition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



	<b>STM32MP1 Distribution Package OpenSTLinux distribution - STM32MP15-Ecosystem-v1.2.0 release</b>
Installation	<p style="color: red; text-align: center;"><b>For Ubuntu 16.04 you should use the legacy repo, procedure to install here</b></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><b>Note:</b> "ERROR 404" may appear during "repo init" command without any impact on the process</p> <ul style="list-style-type: none"> <li>Synchronize the local project directories with the remote repositories specified in the manifest (more details on 'repo sync' <a href="#">here</a>)</li> </ul> <pre style="border: 1px dashed black; padding: 5px;">\$ repo sync</pre> <p><b>Note:</b> <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 <b>associated</b> <a href="#">STM32MP15 ecosystem release note</a>.</p> <p> If interested in previous releases, go through the <a href="#">archives</a> 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

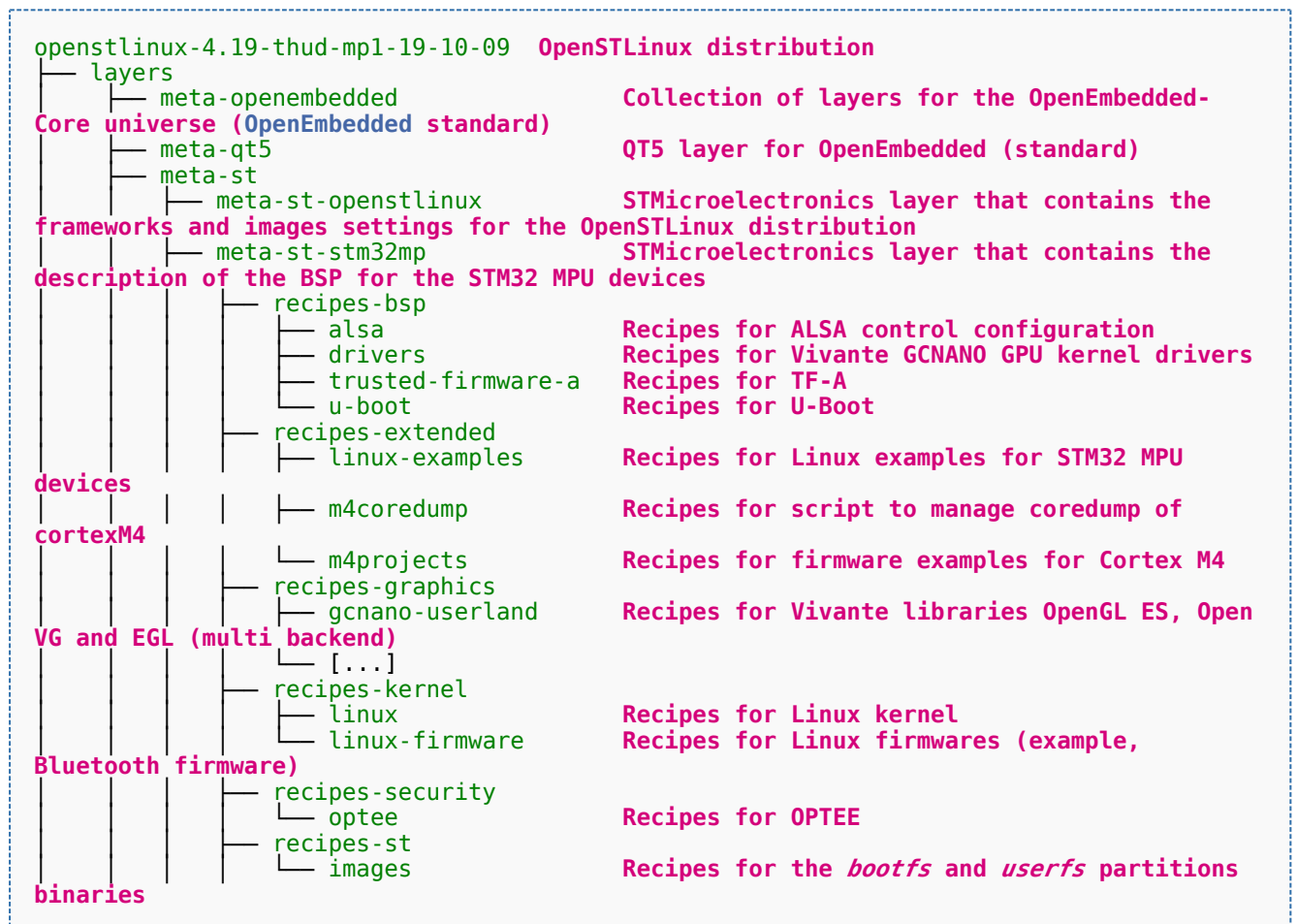
- The STM32MP1 OpenSTLinux distribution is delivered through a manifest repository location and a manifest revision ([openstlinux-4.19-thud-mp1-19-10-09](#)).
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- The OpenSTLinux distribution is massively using open source software (OSS) packages that 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

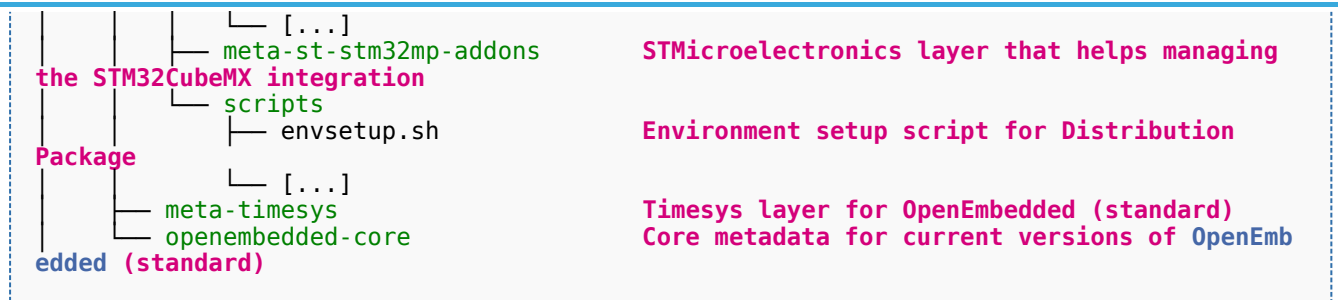
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STM32MP1 Distribution Package OpenSTLinux distribution - STM32MP15-Ecosystem-v1.1.0 release	
Installation	<pre>\$ repo init -u https://github.com/STMicroelectronics/oe-manifest.git -b refs/tags/openstlinux-4.19-thud-mp1-19-10-09</pre> <p><b>Note:</b> "ERROR 404" may appear during "repo init" command without any impact on the process</p> <ul style="list-style-type: none"> <li>Synchronize the local project directories with the remote repositories specified in the manifest (more details on 'repo sync' <a href="#">here</a>)</li> </ul> <pre>\$ repo sync</pre> <p><b>Note:</b> <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 <b>associated STM32MP15 ecosystem release note</b>.</p> <p> If interested in previous releases, go through the <a href="#">archives</a> of the ecosystem release note.</p>

- The **OpenSTLinux distribution installation directory** is in the *<Distribution Package installation directory>*, and is named `openstlinux-4.19-thud-mp1-19-10-09`:





## 2.2 STM32MP15-Ecosystem-v1.0.0 release

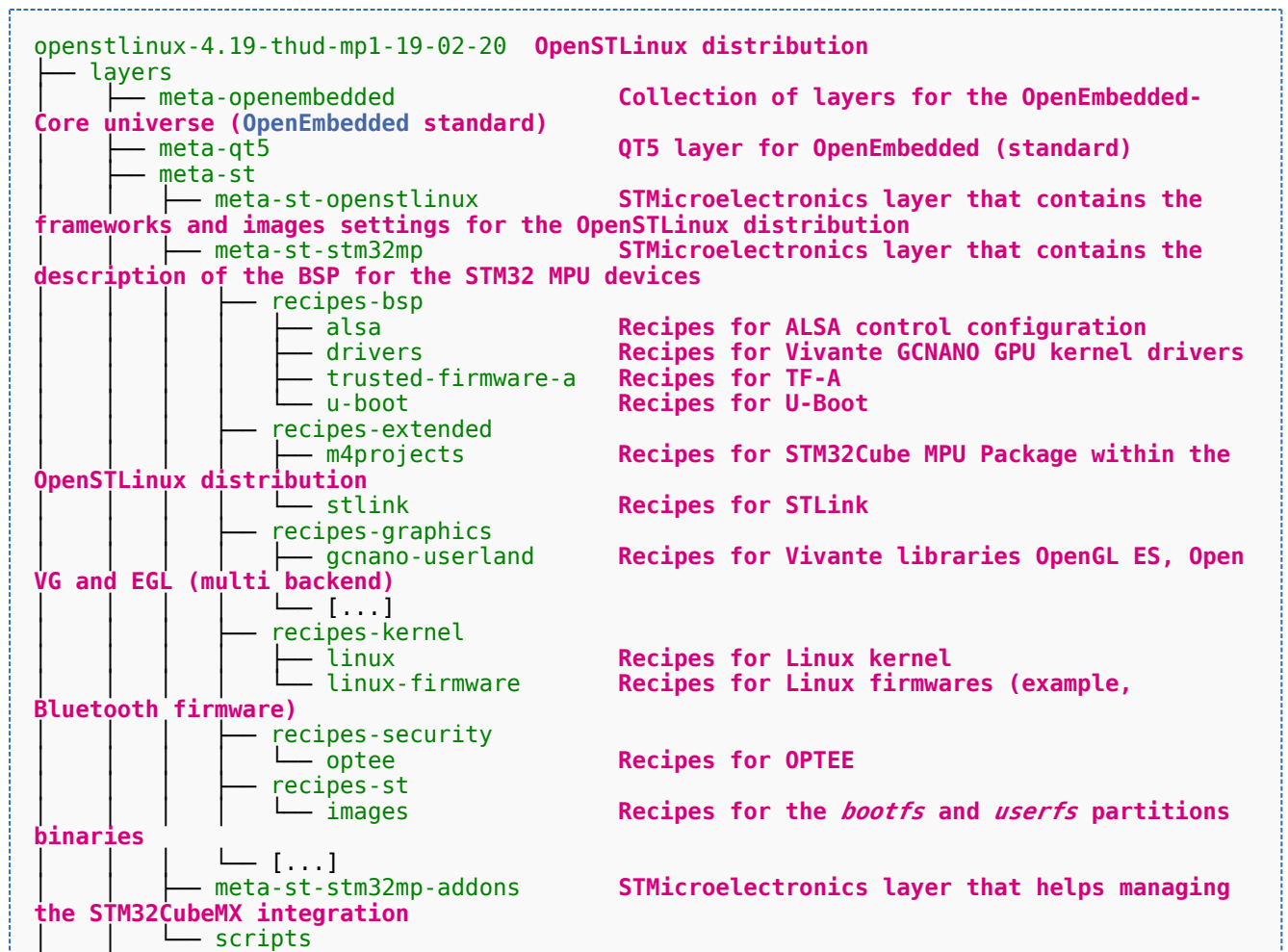
- The STM32MP1 OpenSTLinux distribution is delivered through a manifest repository location and a manifest revision (`openstlinux-4.19-thud-mp1-19-02-20`).
- The installation relies on the `repo` command. In case the Repo tool (a Google-built repository management tool that runs on top of Git) is not 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-v1.0.0 release
Installation	<ul style="list-style-type: none"> <li>• Go to the host PC directory where to install the Distribution Package (<i>&lt;Distribution Package installation directory&gt;</i>). Example, if following the proposition to organize the working directory: <pre>\$ cd &lt;working directory path&gt;/Distribution-Package</pre> </li> <li>• Create the OpenSTLinux distribution installation sub-directory: <pre>\$ mkdir openstlinux-4.19-thud-mp1-19-02-20 \$ cd openstlinux-4.19-thud-mp1-19-02-20</pre> </li> <li>• Initialize repo in the current directory.</li> </ul> <p>Details:</p> <p>The below command downloads (in the <code>.repo</code> directory) the latest repo source code and a manifest file (<i>default.xml</i>) that describes the directory structure of the repositories for OpenSTLinux.</p> <p>The <code>-u</code> option specifies the manifest repository location, while the <code>-b</code> option specifies its branch.</p> <pre>\$ repo init -u https://github.com/STMicroelectronics/oe-manifest.git -b refs/tags/openstlinux-4.19-thud-mp1-19-02-20</pre>

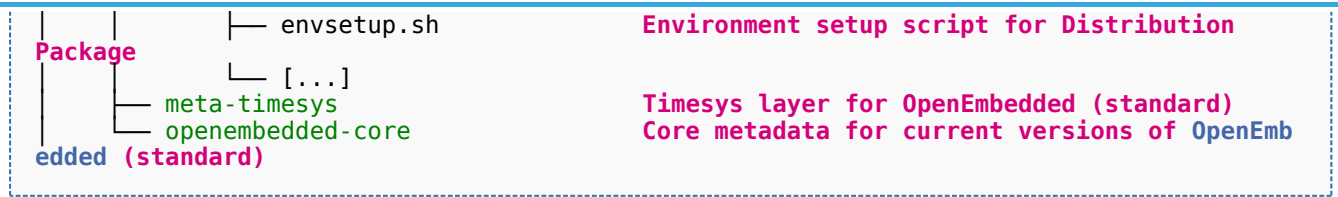


STM32MP1 Distribution Package OpenSTLinux distribution - STM32MP15-Ecosystem-v1.0.0 release	
	<p><b>Note:</b> "ERROR 404" may appear during "repo init" command without any impact on the process</p> <ul style="list-style-type: none"> <li>Synchronize the local project directories with the remote repositories specified in the manifest</li> </ul> <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 style="border: 1px dashed black; padding: 5px;">\$ repo sync</pre>
Release note	<p>Details about the content of this software package are available in the <b>associated STM32MP15 ecosystem release note</b>.</p>

- 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/openvg/> 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)

## Permission error

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## Permission error

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## STM32MP1 Distribution Package - OpenSTLinux distribution

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<b>2.2 STM32MP15-Ecosystem-v1.0.0 release .....</b>	<b>14</b>

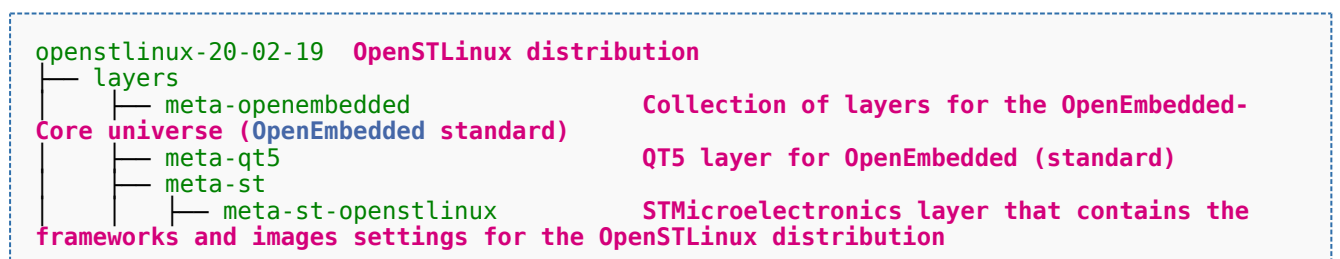
# 1 STM32MP15-Ecosystem-v1.2.0 release

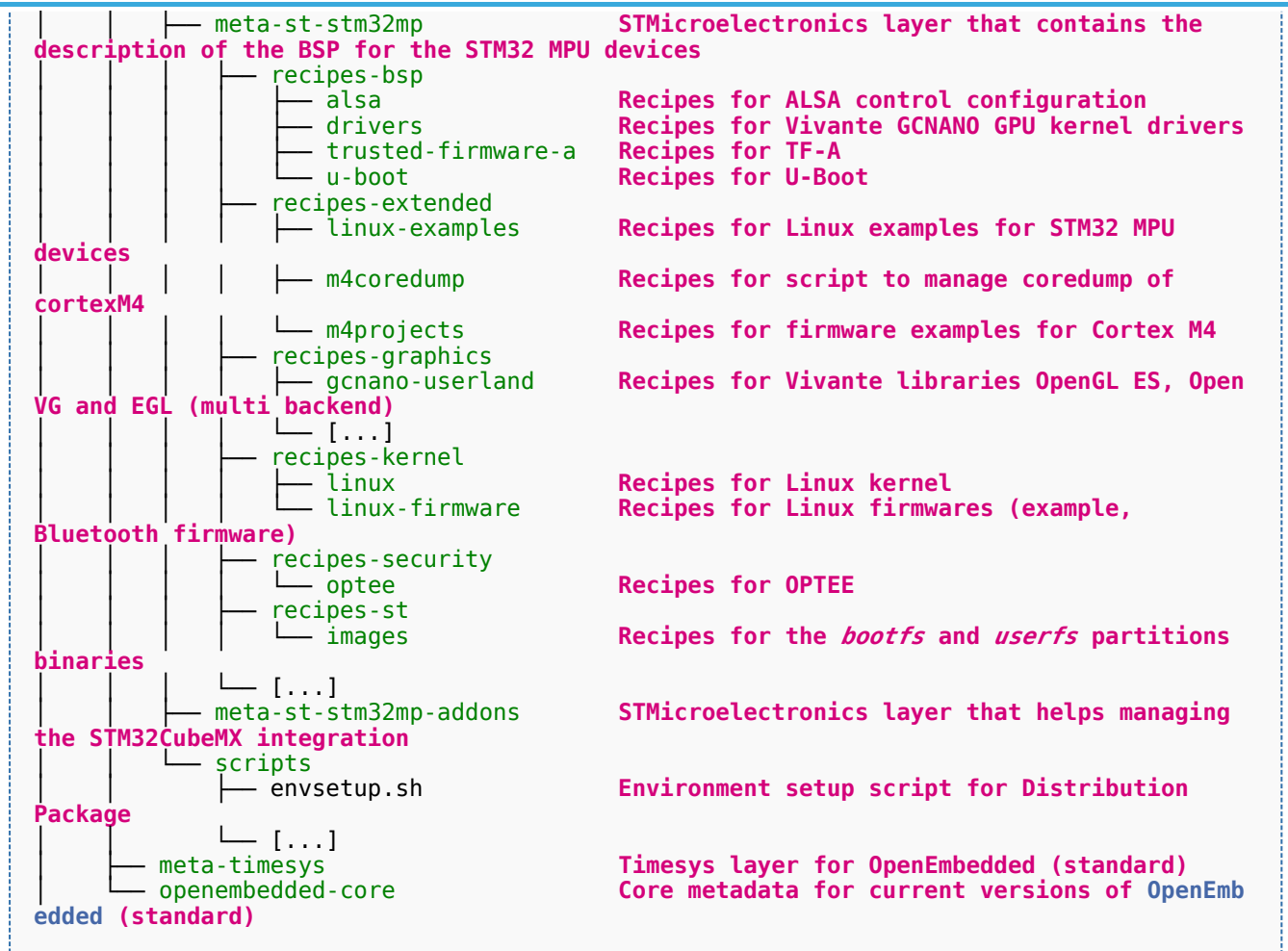
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Installation	<ul style="list-style-type: none"> <li>Go to the host PC directory where to install the Distribution Package (&lt;Distribution Package installation directory&gt;). Example, if following the proposition to organize the working directory:</li> </ul> <pre style="border: 1px dashed black; padding: 5px;">\$ cd &lt;working directory path&gt;/Distribution-Package</pre> <ul style="list-style-type: none"> <li>Create the OpenSTLinux distribution installation sub-directory:</li> </ul> <pre style="border: 1px dashed black; padding: 5px;">\$ mkdir openstlinux-20-02-19 \$ cd openstlinux-20-02-19</pre> <ul style="list-style-type: none"> <li>Initialize repo in the current directory (More details on 'repo init' here).</li> </ul> <p style="color: magenta; text-align: center;"><b>For Ubuntu 16.04 you should use the legacy repo, procedure to install here</b></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><b>Note:</b> "ERROR 404" may appear during "repo init" command without any impact on the process</p> <ul style="list-style-type: none"> <li>Synchronize the local project directories with the remote repositories specified in the manifest (more details on 'repo sync' here)</li> </ul> <pre style="border: 1px dashed black; padding: 5px;">\$ repo sync</pre> <p><b>Note:</b> Distribution package needs around 140MB to be installed (and around 25GB once distribution package is compiled).</p>
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- The **OpenSTLinux distribution installation directory** is in the <Distribution Package installation directory>, and is named openstlinux-20-02-19:






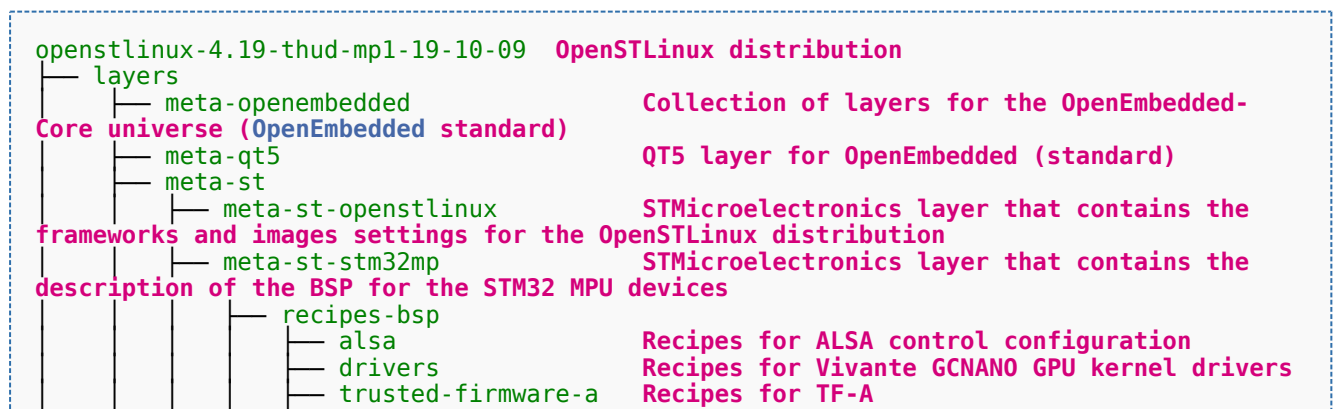
## 2 Archives

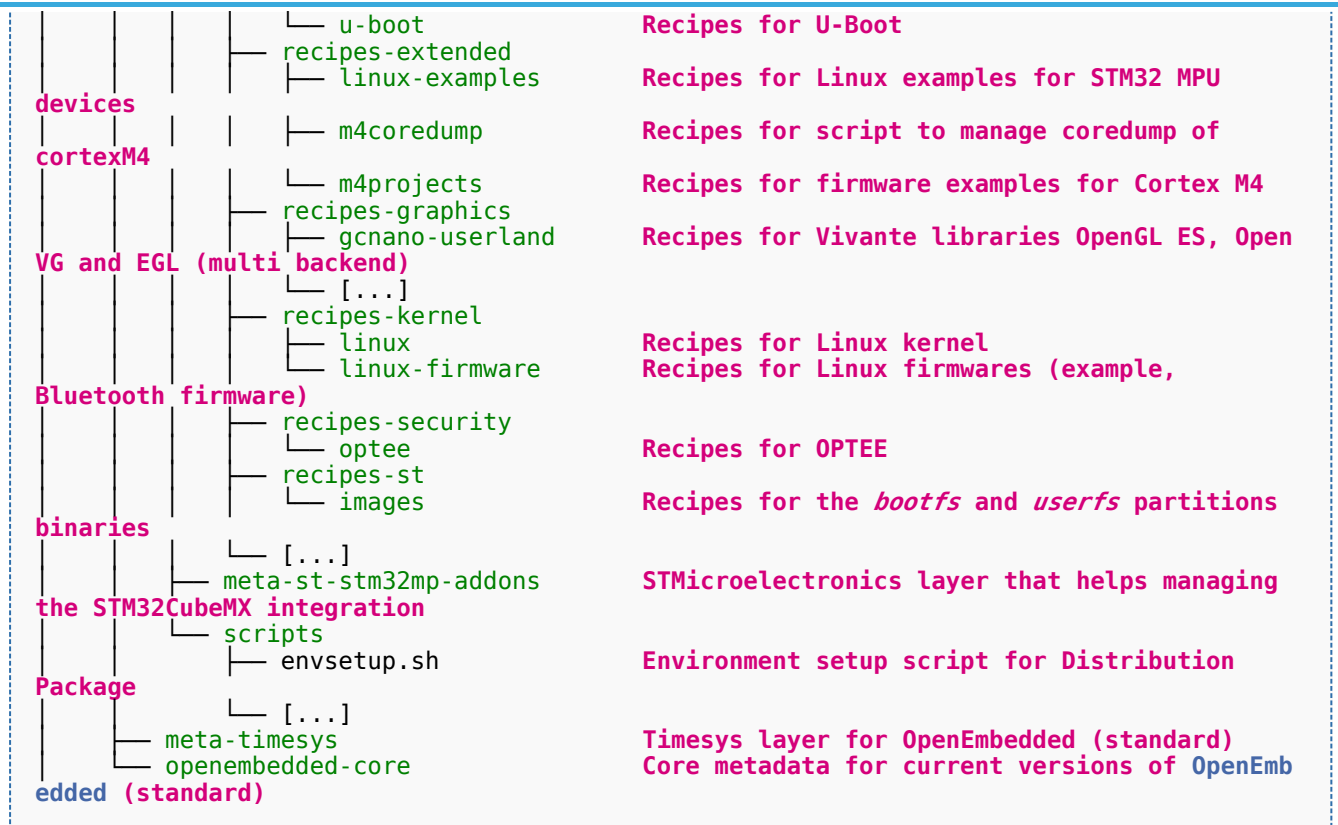
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Release note	<p>Details about the content of this software package are available in the <b>associated STM32MP15 ecosystem release note</b>.</p> <p> If interested in previous releases, go through the <a href="#">archives</a> of the ecosystem release note.</p>

- The **OpenSTLinux distribution installation directory** is in the <Distribution Package installation directory>, and is named openstlinux-4.19-thud-mp1-19-10-09:





## 2.2 STM32MP15-Ecosystem-v1.0.0 release

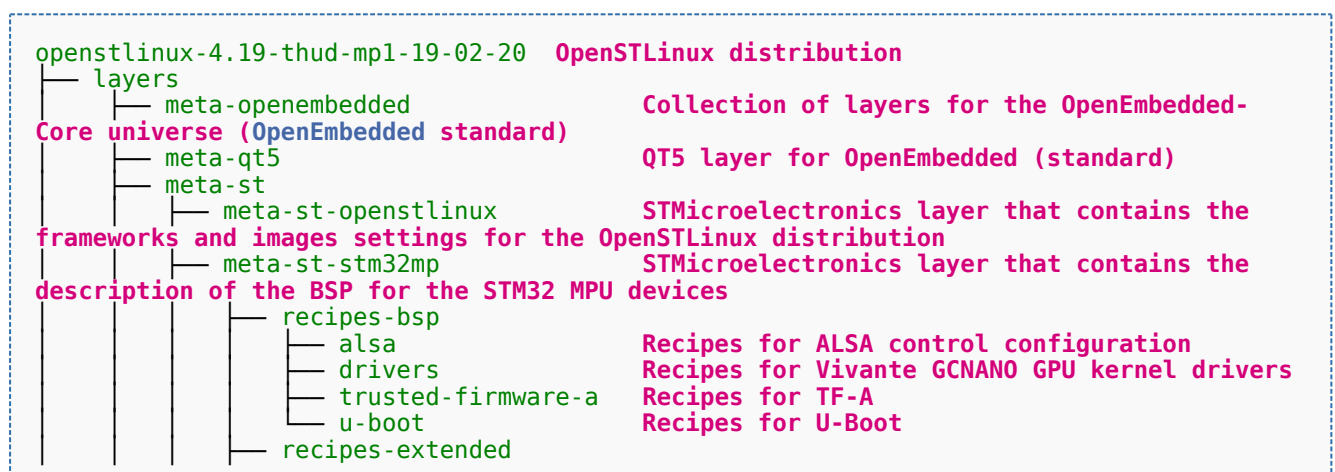
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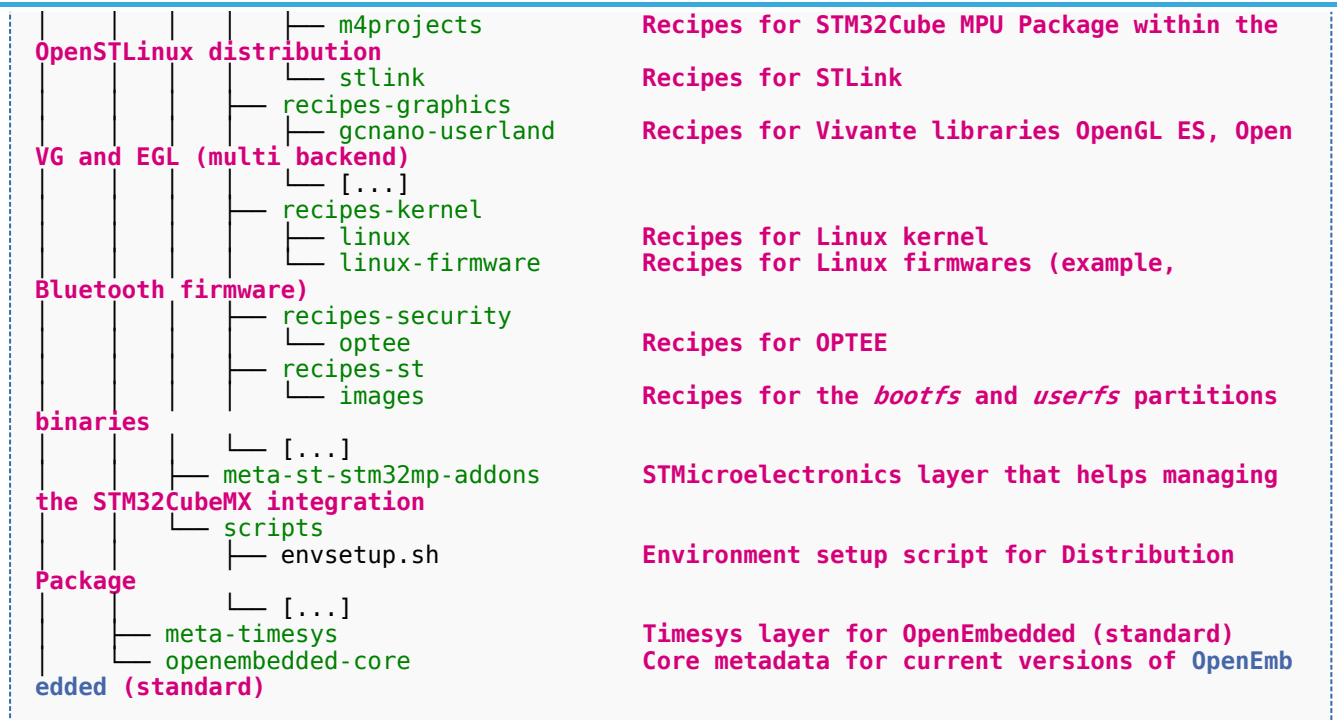
STM32MP1 Distribution Package OpenSTLinux distribution - STM32MP15-Ecosystem-v1.0.0 release	
	<ul style="list-style-type: none"> <li>• Go to the host PC directory where to install the Distribution Package (<i>&lt;Distribution Package installation directory&gt;</i>). Example, if following the proposition to organize the working directory:</li> </ul> <div style="border: 1px dashed black; padding: 10px; margin: 10px 0;"> <pre>\$ cd &lt;working directory path&gt;/Distribution-Package</pre> </div> <ul style="list-style-type: none"> <li>• Create the OpenSTLinux distribution installation sub-directory:</li> </ul>



STM32MP1 Distribution Package OpenSTLinux distribution - STM32MP15-Ecosystem-v1.0.0 release	
Installation	<pre>\$ mkdir openstlinux-4.19-thud-mp1-19-02-20 \$ cd openstlinux-4.19-thud-mp1-19-02-20</pre> <ul style="list-style-type: none"> <li>Initialize repo in the current directory.</li> </ul> <p>Details:</p> <p>The below command downloads (in the <code>.repo</code> directory) the latest repo source code and a manifest file (<code>default.xml</code>) that describes the directory structure of the repositories for OpenSTLinux.</p> <p>The <code>-u</code> option specifies the manifest repository location, while the <code>-b</code> option specifies its branch.</p> <pre>\$ repo init -u https://github.com/STMicroelectronics/oe-manifest.git -b refs/tags/openstlinux-4.19-thud-mp1-19-02-20</pre> <p><b>Note:</b> "ERROR 404" may appear during "repo init" command without any impact on the process</p> <ul style="list-style-type: none"> <li>Synchronize the local project directories with the remote repositories specified in the manifest</li> </ul> <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	<p>Details about the content of this software package are available in the <b>associated STM32MP15 ecosystem release note</b>.</p>

- 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

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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)

## Permission error

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## Permission error

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*Stable: 25.05.2020 - 07:32 / Revision: 25.05.2020 - 07:25*

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## Permission error

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*Stable: 20.12.2019 - 15:12 / Revision: 12.12.2019 - 12:53*

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