

Improvements in meta-spdxscanner through FOSSology

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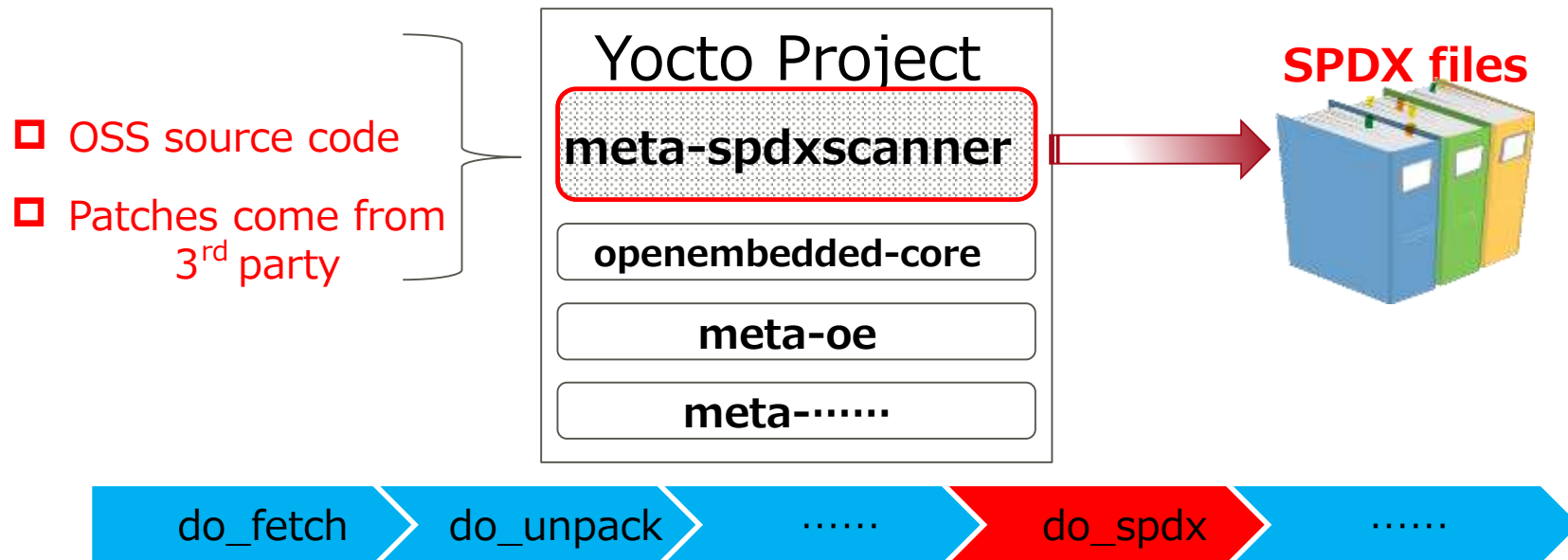
- ✓ I have contributed to the following communities
 - Linux Kernel
 - U-Boot
 - Yocto Project

Mainly platform community
- ✓ Developer of In-house Embedded Linux Distribution for Fujitsu Limited
- ✓ Our Distribution is built with Yocto Project
- ✓ My team-member is maintainer of meta-spdxscanner (Ms. Lei Maohui)
- ✓ Our Distribution is used for 80+ products.
 - IVI
 - Server System Controller
 - Storage System
 - Network equipment
 - etc



Simple Introduction of meta-spdxscanner

✓ Yocto Layer of source code License scanner



✓ Default output: SPDX format (is best format)
(considering OpenChain Project)

✓ Default scanner: DoSOCSv2

**Fossology 3.x doesn't support CUI (at this point),
so it could not be used with Yocto Project**

Comparing Outputs by DoSOCSv2, FOSSology

Ideal SPDX file

SPDXVersion: SPDX-2.1
DataLicense: CC0-1.0

FileName: bzip2-1.0.6/LICENSE
SPDXID: SPDXRef-item1699540
FileChecksum: SHA1:
1c0c6888759a63c32bca7eb63353af2cd9bd5d9e
FileChecksum: MD5:
ddeb76cd34e791893c0f539fdab879bb
LicenseConcluded: LicenseRef-bzip2-1.0.6
LicenseInfoInFile: LicenseRef-bzip2-1.0.6
FileCopyrightText: <text> copyright (C) 1996-2010 Julian R Seward. All rights reserved.
copyright notice, this list of conditions and the following disclaimer. </text>
: (snip)
LicenseID: LicenseRef-bzip2-1.0.6
LicenseName: bzip2 and libbzip2 License v1.0.6
ExtractedText: <text> This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.
: (snip)

DoSOCSv2 (0.16.1)

SPDXVersion: SPDX-2.0
DataLicense: CC0-1.0

FileName: bzip2-1.0.6/LICENSE
SPDXID: SPDXRef-item1699540
FileChecksum: SHA1:
7310aaf0
FileType: OTHER
FileChecksum: SHA256:
4919cfb14a73cd64cef67b107613970cf1659a09aa675dba31314f373bc7204
LicenseConcluded: NOASSERTION
LicenseInfoInFile: LicenseRef-BSD-style
LicenseComments: <text> </text>
FileCopyrightText: NOASSERTION
FileComment: <text> </text>
FileNotice: <text> </text>
: (snip)

SPDX 2.0 2.1: Mandatory item

- LicenseConcluded: no output
- LicenseInfoInFile: mistake
- FileCopyrightText: no output

**insufficient SPDX output
By DoSOCSv2**

FOSSology (3.3.0)

SPDXVersion: SPDX-2.1
DataLicense: CC0-1.0

FileName: bzip2-1.0.6/LICENSE
SPDXID: SPDXRef-item1699540
FileChecksum: SHA1:
1c0c6888759a63c32bca7eb63353af2cd9bd5d9e
FileChecksum: MD5:
ddeb76cd34e791893c0f539fdab879bb
LicenseConcluded: LicenseRef-bzip2-1.0.6
LicenseInfoInFile: LicenseRef-bzip2-1.0.6
FileCopyrightText: <text> copyright (C) 1996-2010 Julian R Seward. All rights reserved.
copyright notice, this list of conditions and the following disclaimer. </text>
: (snip)
LicenseID: LicenseRef-bzip2-1.0.6
LicenseName: bzip2 and libbzip2 License v1.0.6
ExtractedText: <text> This program, "bzip2", the associated library "libbzip2", and all documentation, are copyright (C) 1996-2010 Julian R Seward. All rights reserved.

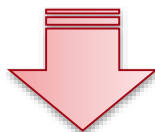
**Ideal SPDX output
By FOSSology**

FOSSology available for YP soon !

fossdriver is intended to enable control of a FOSSology server from Python programs.

※ Quoted from fossdriver's readme

- ✓ We are making available to use fossdriver in meta-spdxscanner
- ✓ So you can soon use FOSSology from Yocto Project

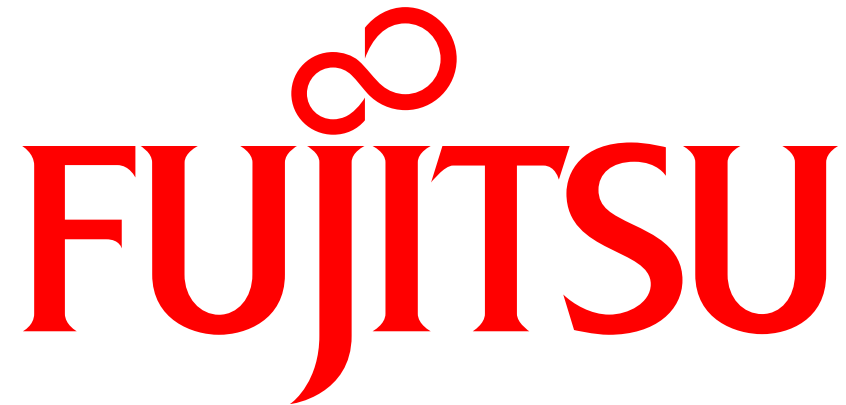


You are available to use high precision SPDX file !

- ✓ Let's use improved meta-spdxscanner and SPDX file
- ✓ Please give me feedback on meta-spdxscanner and SPDX topics.

- ✓ For maintenance reason, we want send **REST API calls** FOSSology server to generate SPDX files

Let's improve SPDX file precision together



shaping tomorrow with you