MoxaにおけるOpen Sourceの取組み Open Source Journey in Moxa Build up Open Source Office in Hardware Manufacture Company 製造業企業でのオープンソースオフィス立ち上げ

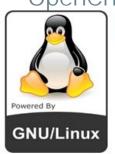
SZ Lin (林上智) Embedded Linux Development Center, Software Engineer 07/16/2019



About Me 自己紹介

SZ LIN (林上智)

- Software Engineer at Moxa ソフトウェア エンジニア
- CIP Technical Steering Committee member CIP 技術ステアリングコミッティー メンバー Debian Developer Debianデベロッパー
- OpenChain 2.0 Traditional Chinese Translator OpenChain Spec2.0 繁体字版 翻訳者









Introduction to Moxa

Moxa社紹介



Fast Facts Moxa社「早わかり」

Moxa is a leading provider of edge connectivity, industrial computing, and network infrastructure solutions for **enabling connectivity**.
Moxa社はエッジ接続, 産業用コンピューティング, NWインフラソリューション等 相互接続を実現する分野を先導するプロバイダである。





Market Leadership

Supplier in Serial Connectivity

Supplier in Industrial Ethernet Infrastructure

Numerous Global Awards

















Global Presence 世界各国への展開状況



2 Headquarters 12

Branches

120+

Distributors

34%

R&D Manpower



さまざまなネットワークでの相互接続ソリューション

Connectivity Solutions for Your Networks

Application





Smart Sm Rail Gr



Smart Grid



Smart Smart
Oil Field Transportation



Smart Smart Factory Marine

Edge Connectivity

Serial Connectivity







Industrial Computing

Embedded Computers



Network Infrastructure

Industrial Ethernet













Device







































































自動化制御分野における信頼できるパートナー Your Trusted Partner in Automation

Moxa has partnered with companies in many industries, and along the way we have established trusted relationships and a strong reputation

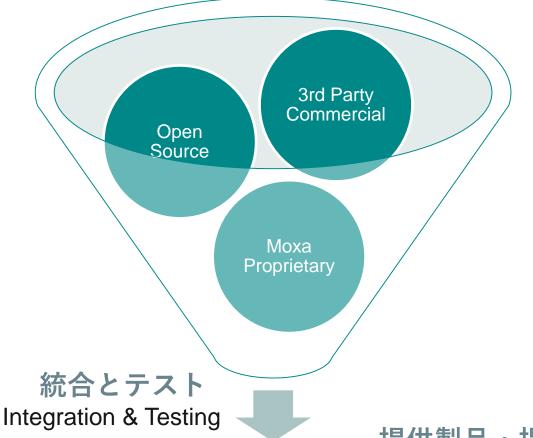




Open Source Software In Moxa

Moxa社におけるOpen Source Software





提供製品・提供サービス

Final Commercial Product or Service

Serial I/O Video Connectivity Connectivity Embedded Computers Industrial Wireless LAN Industrial Routers



Moxa Joined Civil Infrastructure Platform Project











Industry Leader Moxa joins Civil Infrastructure Platform Project

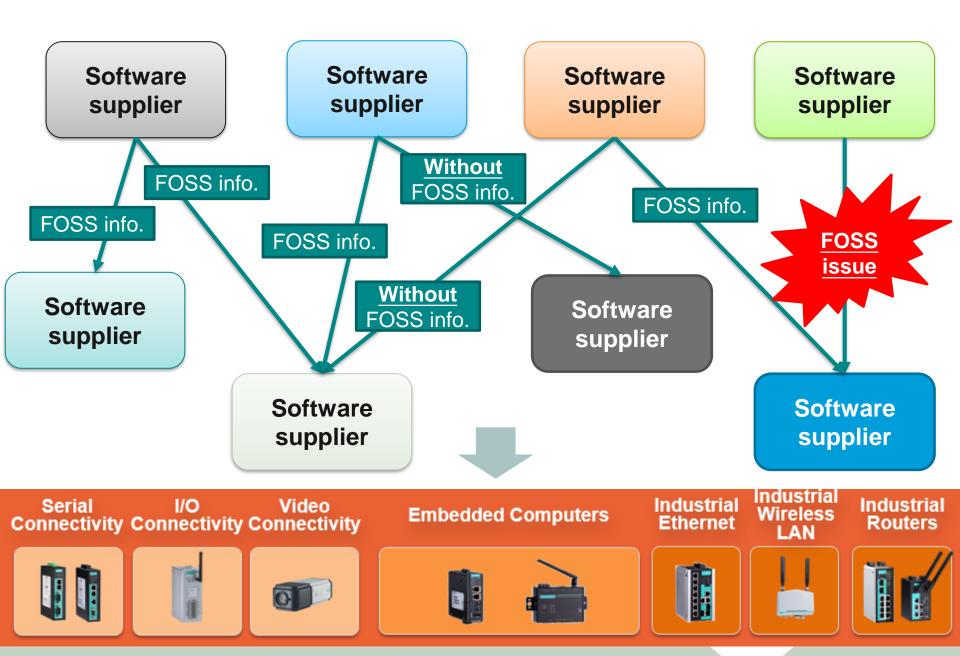
By Maemalynn Meanor | January 18, 2018

Moxa strengthens its commitment to building smart cities based on interoperable open source platform that is secure, reliable and sustainable for more than 10 years

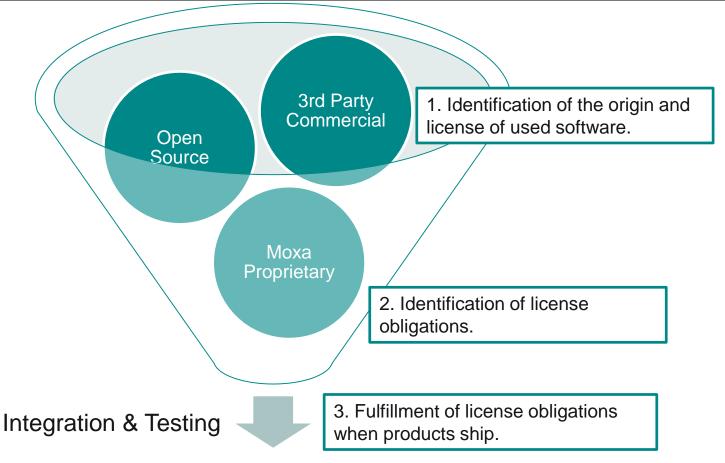
SAN FRANCISCO – January 18, 2017 – The Civil Infrastructure Platform (CIP) project, which aims to provide a base layer of industrial grade open source software components, tools and methods to enable long-term management of critical systems, today announced that Moxa has joined as a Silver Member. The move helps Moxa, an edge-to-cloud connectivity solution provider that offers a wide range of industrial networking, monitoring and computing products, strengthen its commitment to building smarter factories and cities on an interoperable open source platform that is secure, reliable and sustainable.

Hosted by The Linux Foundation, CIP aims to speed implementation of Linux-based civil infrastructure systems, build upon existing open source foundations and expertise, establish de facto standards by providing a base layer reference implementation, and contribute to and influence upstream projects regarding industrial needs.









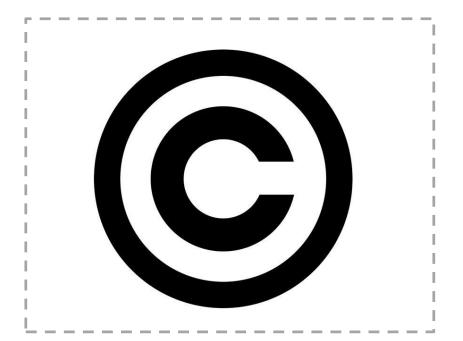
Final Commercial Product or Service





Open Source Management







Copyright

Copyright is a legal right, that grants the creator of an original work exclusive rights to determine whether, and under what conditions, this original work may be used by others

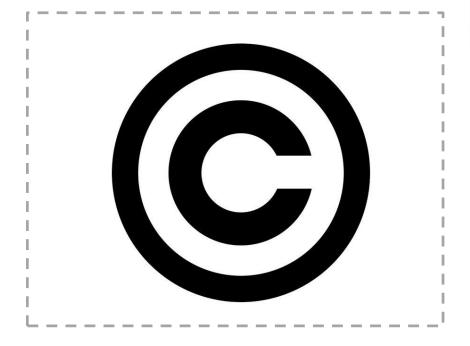
src: https://en.wikipedia.org/wiki/Copyright

Patent

A patent gives its owner the right to exclude others from making, using, selling, and importing an invention for a limited period of time, usually twenty years.

src: https://en.wikipedia.org/wiki/Patent









Identify key recommended processes for effective open source management [1].



Patent

open**invention***network**

It is a shared defensive patent pool with the mission to protect Linux [2].



Moxa Joined OIN Community

open**invention**network*

Home

About OIN

The OIN Community

Joining OIN

Community Init

PRESS RELEASE DETAILS

Open In

Moxa Joins the Open Invention Network Community

July 02, 2019

Durham, NC (July 2, 2019) - Open Invention Network (OIN), the largest patent non-aggression community in history, announced today that Moxa has joined as a community member. As a leading provider of industrial edge-to-cloud connectivity solutions and computing for Industrial Internet of Things (IIoT) environments, Moxa is demonstrating its commitment to open source software (OSS) as an enabler of advanced industrial networking and communications applications.



Define Free and Open Source Policy



Moxa FOSS Policy

Moxa's Free and Open Source Policy

Abstract: This document defines Moxa's policy for the use of free and open source software in externally distributed products

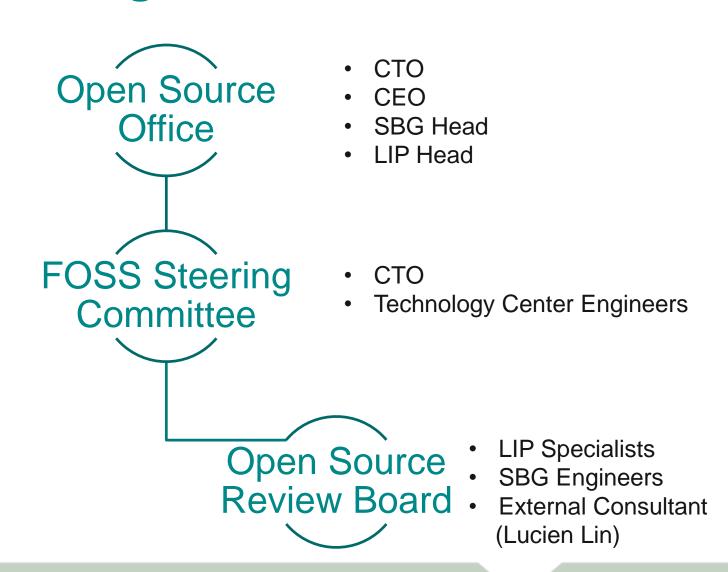
Summary

Revision	Date	Author	Description of Change
0.9	2018-11-15	SZ Lin (林上智)	An initial draft version of the policy.
0.91	2018-11-19	SZ Lin (林上智)	Remove description for creating a
			new license in Moxa
0.92	2018-12-04	SZ Lin (林上智)	Add a list of not allowed licenses
0.93	2018-12-26	SZ Lin (林上智)	Modify email address

All questions about this policy should direct to FOSS@moxa.com



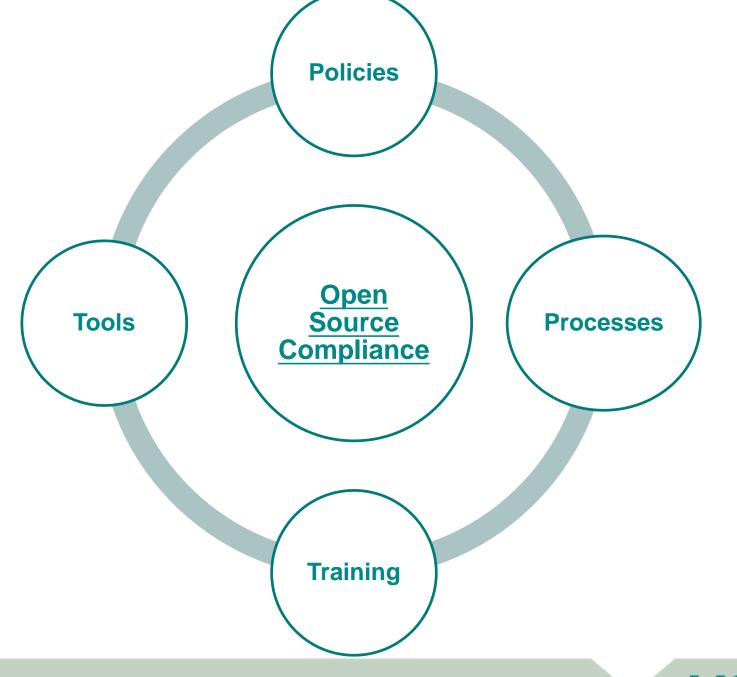
OSS Office Organization in Moxa





Overview of OpenChain Specification







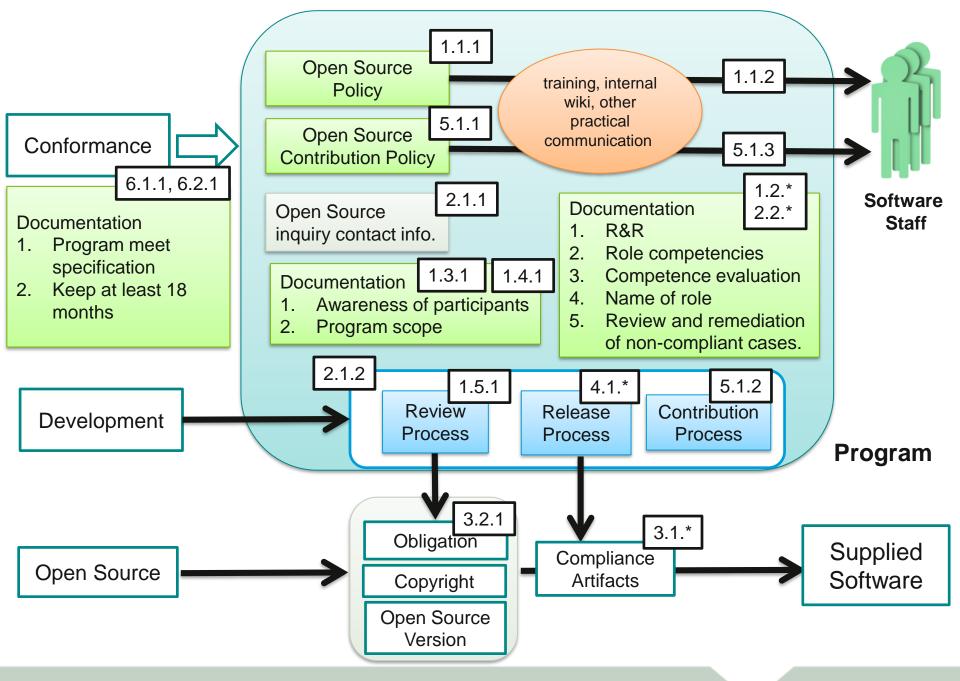
OPENCHAIN 規範書 版本 2.0

在開源裡建立信任以構建軟體解決方案

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Processes, Tooling and Support







OpenChain

Trust between entities in the supply chain

The OpenChain Project builds trust in open source by making open source license compliance simpler and more consistent

SPDX

Trust for software packages

Software Package Data Exchange (SPDX) is a file format used to document information on the software licenses under which a given piece of computer software is distributed.

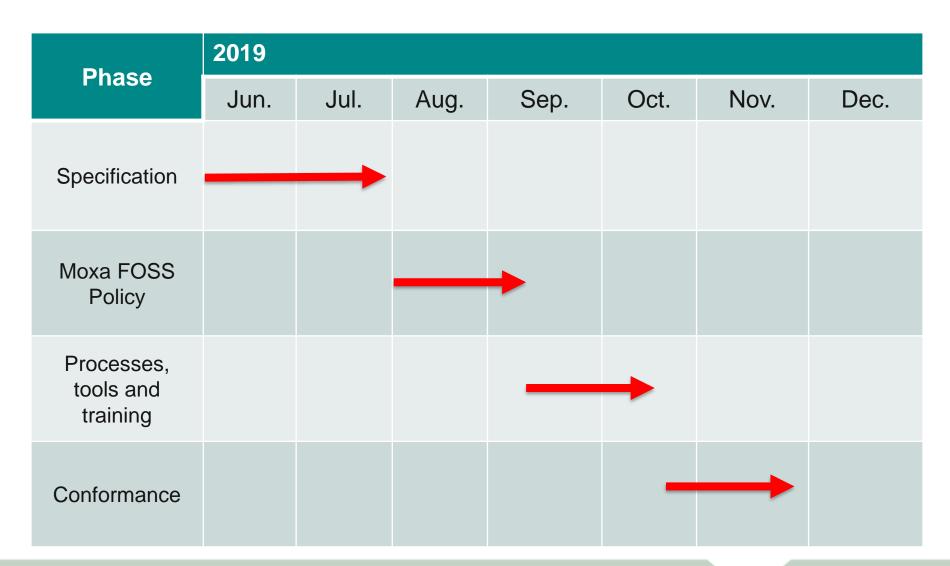
FOSSology

Free scanning technology

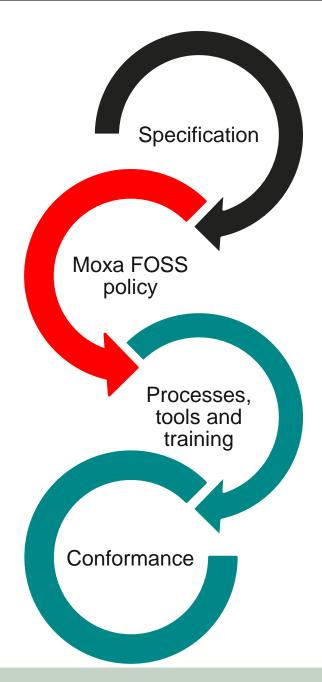
FOSSology is a open source license compliance software system and toolkit



Timeline (est.)

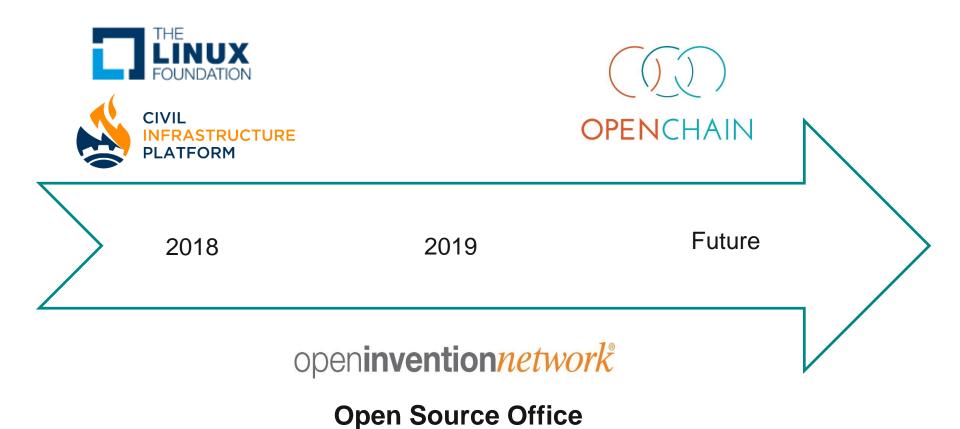








Open Source Activities in Moxa



InnerSource



When you want something, all the universe conspires in helping you to achieved it.

Thank you



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References

- 1. https://resources.github.com/whitepapers/introduction-to-innersource/
- 2. https://dirkriehle.com/wp-content/uploads/2018/05/Inner-Source-Ten-Years.pdf
- 3. https://www.oreilly.com/programming/free/files/getting-started-with-innersource.pdf

