

Double Open Workshops for Next-Generation Open Source Compliance

Report of the work package 'Best for Validos Members'

26.5.2019

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5.7.2019	Approved to be published with modifications by Petri Sairila, Vaisala Oyj
20.8.2019	Final modifications by Toni Päärni, HH-Partners, ready for publishing

Introduction

Objectives of open source license compliance activities are to:

1. Identify OSS licensed components and files; and the related licenses.
2. Comply with the obligations of such licenses.
3. Uncover any components/code snippets that may violate the OSS license terms and to take appropriate remedial actions.

The **goal** of the work package '*Best for Validos Members*' was to

- Understand the current state and pain points in compliance management within Validos members
- Define a dream for next-generation OSS compliance and find solutions to implement it.

To accomplish the task two and three **Voice-of-the-Customer workshops** were planned to be arranged together with Validos members. At the end of the day, two workshops were organized, first one with Vaisala Oyj and the latter with Sandvik Ab. The results of the workshops create the basis for next-generation compliance solutions to be defined in the work package *Double Open Compliance Concept* and developed in work package *Proof of Concept*. The results of the workshops are published under license CC-BY-4.0

This document is a description of the work package *Best for Validos Members*. The document has been evaluated by Vaisala and Sandvik before publication.

Customer Analysis

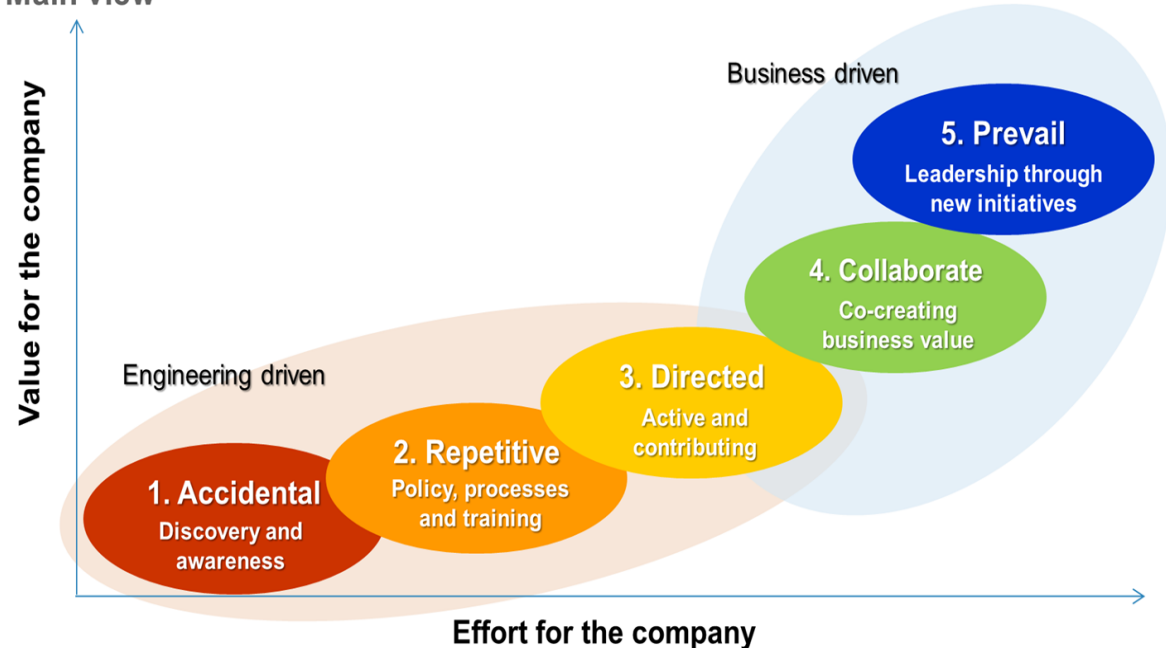
Open source maturity model originally created by [Sony](#) was used to give an insight into Validos companies and how they exploit open source software.

Validos companies fall currently mainly in two stages in the model, stage 2 and stage 3.

The Open Source Maturity and Strategy Model

SONY

Main view



Goal of the Voice-of-the-Customer Workshops

The goal of the workshops was to:

- **Understand** software development and its role as part of companies' business
- **Get insight** on how open source compliance is taken care as part of the software development and maintenance processes. What are the issues and pain points faced in compliance management?
- **Build a joint vision** of the 'compliance dream' and **create ideas** on how to achieve the dream: renewed processes, new tools and methods, new competencies in place
- **Create rapport** with the participants for future cooperation i.e. to make a joint Proof of Concept of the to-be-solution

Realization of the Voice-of-the-Customer Workshops

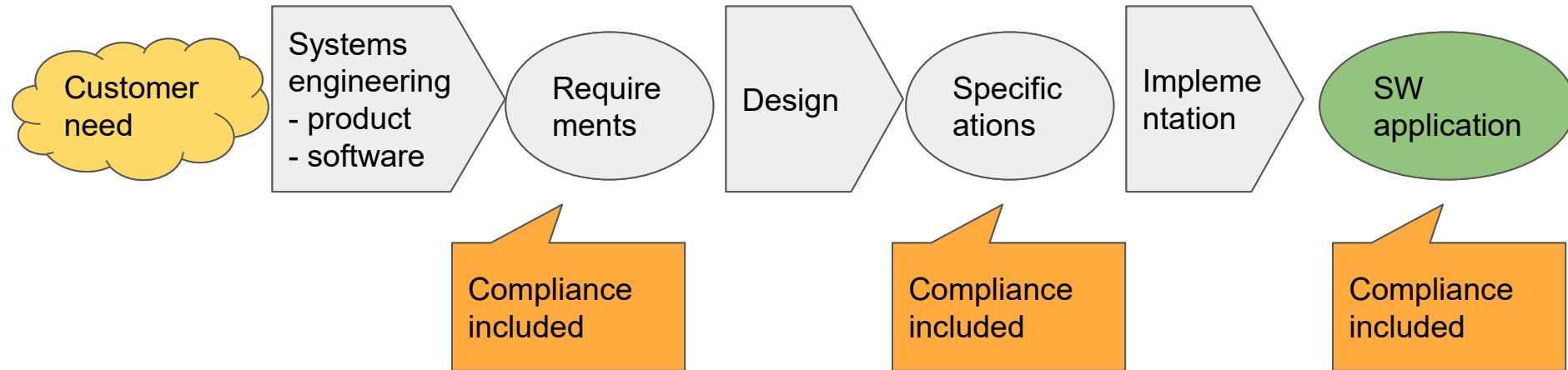
Methods and Tools

- The service design method used in the workshops was co-creation to capture everyone's expertise and creativity. The tool was [CoCo Cosmos](#), for communication and visual outcome.
- The content of the workshop was divided into two phases: the current status with pain points and the dream and ideas for solutions. The result was documented by photos and videos.
- See the agenda for the workshop in the appendix.



Case Sandvik, photo by Toni Päärne

Software Development Process & Open Source Compliance as Part of the Embedded Software Development Process



Vaisala Workshop 4.3.2019, Helsinki

doubleOpen()

People

Vaisala Oyj:

- Petri Sairila, Development manager, compliance officer
- Niko Mauno, Yocto, embedded Linux
- Teppo Kankaanpää, Java/Javascript

Verifa Oy

- Jacob Lärfors, subject matter expert
- Kalle Soranko, subject matter expert

HH Partners Oy

- Martin von Willebrand, subject matter expert, owner of Double Open project
- Henri Tanskanen, subject matter expert
- Toni Pääрни, project manager of Double Open project

Avaamo Konsultointi

- Jyrki Koskinen, fasilitator of the workshop

University of Helsinki

- Tommi Mikkonen, project manager of 4API project

Vaisala Workshop 4.3.2019

doubleOpen()

Outcome:

- A clear picture of current status and compliance pain points = laborious, error-prone and time-consuming
- Dream for future and high-level components for the solution 'OSS compliance 2.0' (Yocto)
- Verifa is eager to create the PoC of the toolchain and Vaisala is eager to contribute and exploit



Sandvik Workshop 7.5.2019, Tampere

doubleOpen()

People

Sandvik Ab:

- Tuomo Hirsikangas, Engineering Manager, Surface Drilling
- Veli-Pekka Jaakkola, Engineering Manager, Underground Drilling
- Juha Keihäs, Lead Developer, Load & Haul Division
- Johannes Koskinen, SICA architect
- Jere Paavola, SW development manager, SICA platform, open source compliance officer

LifeLearn Oy:

- Jussi Hurmola, expert in competence development & e-learning,

Fujitsu Oy

- Marko Jaanu, subject matter expert

Avaamo Konsultointi

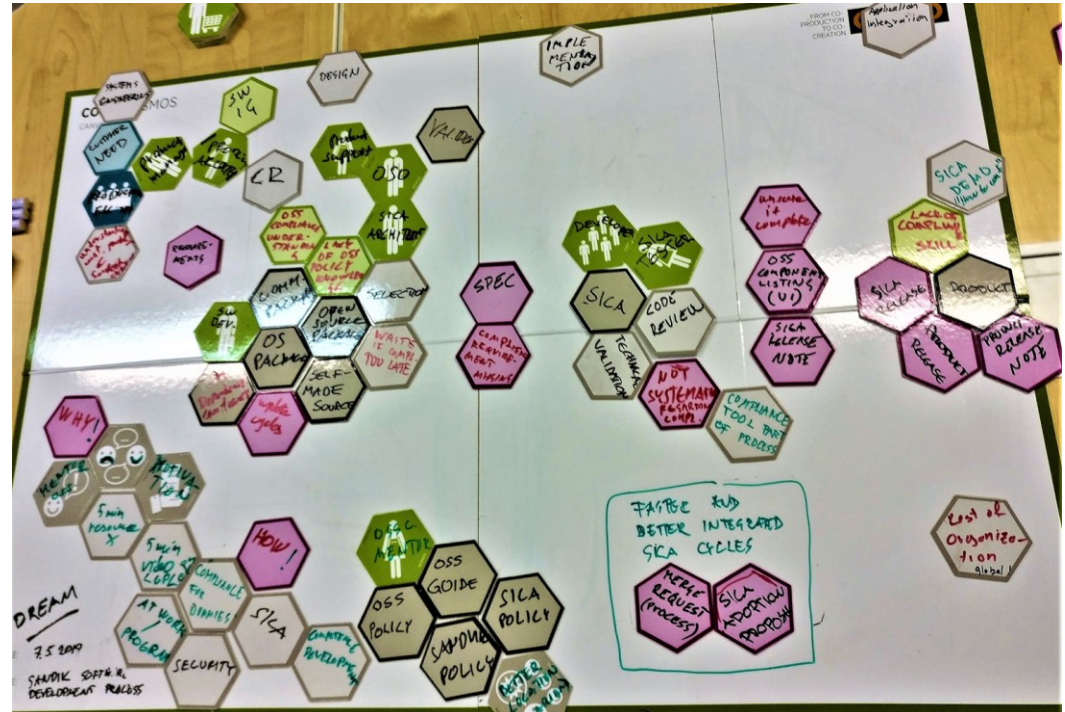
- Jyrki Koskinen, fasilitator of the workshop

HH Partners Oy

- Toni Päärne, project manager of Double Open project
- Henri Tanskanen, subject matter expert
- Martin von Willebrand, owner of Double Open project

Outcome:

- A clear picture of current status and pain points = compliance practise is not fully adopted in the organization. Need to improve knowledge and motivation.
- A dream for future and identification of ways how to update the organization's competencies
- Sandvik has already planned the first steps for education. LifeLearn is willing to contribute.



Experiences, Conclusions and Next Steps

- Two different organizations were analyzed: Sandvik and Vaisala which can be placed in open source software compliance maturity level 2 (Repetitive) and level 3 (Directed)*
- Two banks for solution for next-generation compliance management were identified: an **automated tool** and **education service**.
- Vaisala and Verifa are willing to cooperate in the project to create an automated tool to improve efficiency in compliance management.
- Sandvik is looking to cooperate in creation of a service for education and competence development to expand the motivation and proficiency within the organization. LifeLearn is a possible partner.

* Source: Sony 'Open Source Maturity and Strategy Model', [link](#)



Team Vaisala, photo by Toni Päärni

Experiences, Conclusions and Next Steps...

- The workshop met the set goal giving insight into the current state and produced ideas for the solution for next-generation compliance management
- The individual participants felt that the workshops met their expectations
- The results of the workshops as part of work package *Best For Validos Members* were evaluated in the Steering Board meeting 16 May 2019. One of the point-of-views was if there is any need for further workshops to:
 - a. increase or strengthen our understanding or
 - b. gain 'market share', visibility and speakers within the community, which community?
- The steering board decided that the current results give a decent basis for next steps and there is no need for further voice of the customer workshops.

Appendix

Sources

Results of the Workshops

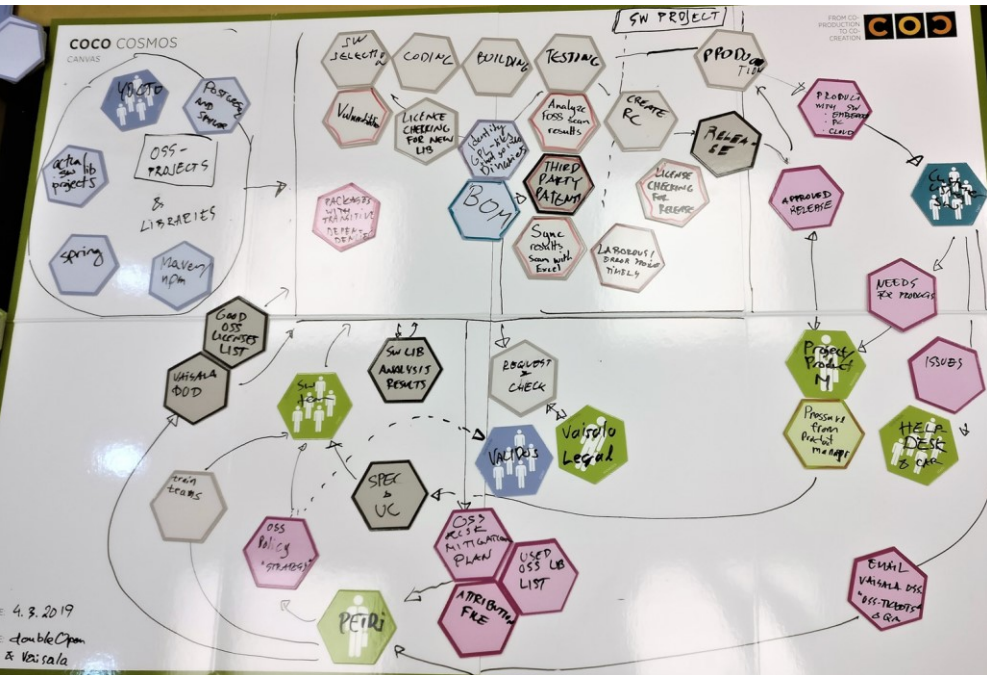
- Vaisala
- Sandvik

Sources

Sony's open source software maturity model, [link](#)

Github open source software maturity model, [link](#)

Documents of the Vaisala Workshop



Vaisala present



Vaisala dream

Sandvik present

