

ENSURING OPEN SOURCE COMPLIANCE USING ECLIPSE FOUNDATION TECHNOLOGY

EclipseCon Europe
2019-10-22



Simply.
Connected.

Bosch Software Innovations GmbH
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Senior Expert Open Source

Bosch Software Innovations

Spearheading the Internet of Things

Market presence

6.2m

connected devices using
Bosch IoT Suite



Know-how

800+

IoT experts around the world
(Germany, Bulgaria, Singapore, China,
Japan)



Experience

250+

IoT international projects in the areas
of manufacturing, mobility, energy,
home & building, city, agriculture ...



Mobility

Solutions for electro mobility, intermodal transportation, and connected vehicles



Industry

Solutions for connected manufacturing



Agriculture

Solutions to support the sustainable intensification of food production



Energy

Solutions for smart and simple energy management



Smart Home & Building

Solutions for connected homes and commercial buildings



Smart City

Connected solutions for urbanites to make life easy and efficient



OPEN SOURCE COMPLIANCE PRACTICES



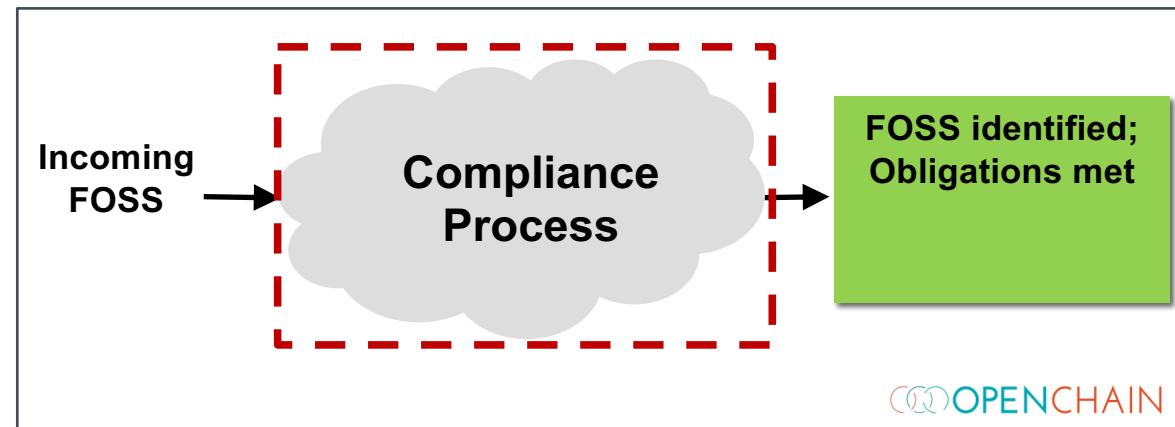
Open Source Management Practices

End-to-End Compliance

Theory
What?

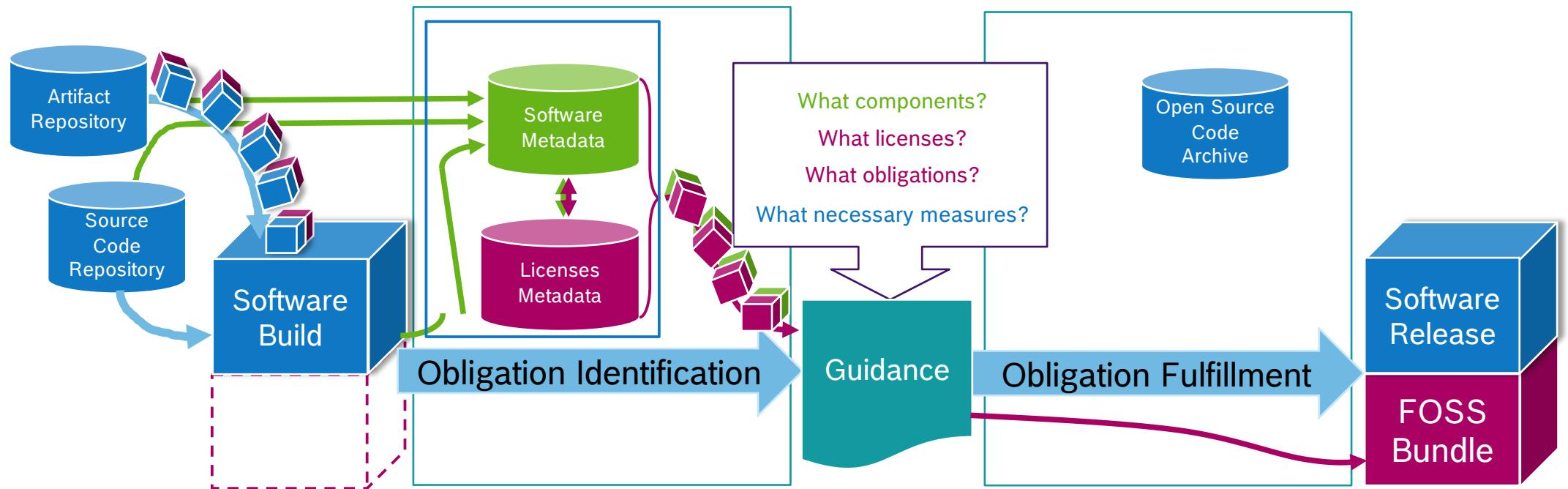
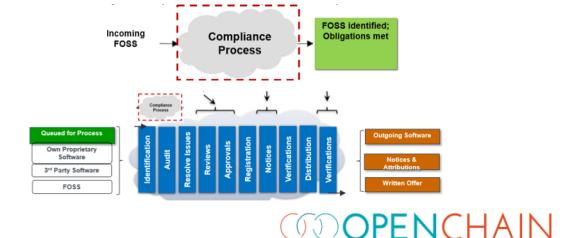
- ▶ Compliance management is a set of actions that manages OSS components used in products. Companies may have similar processes in place for proprietary components. FOSS components are called "Supplied Software" in the OpenChain specification.

- ▶ Such actions often include:
 - ▶ Identifying all the FOSS components used in Supplied Software
 - ▶ Identifying and tracking all obligations created by those components
 - ▶ Ensuring that all obligations have been or will be met
 - ▶ Small companies may use a simple checklist and enterprises a detailed process.



Open Source Management Practices

Key Elements



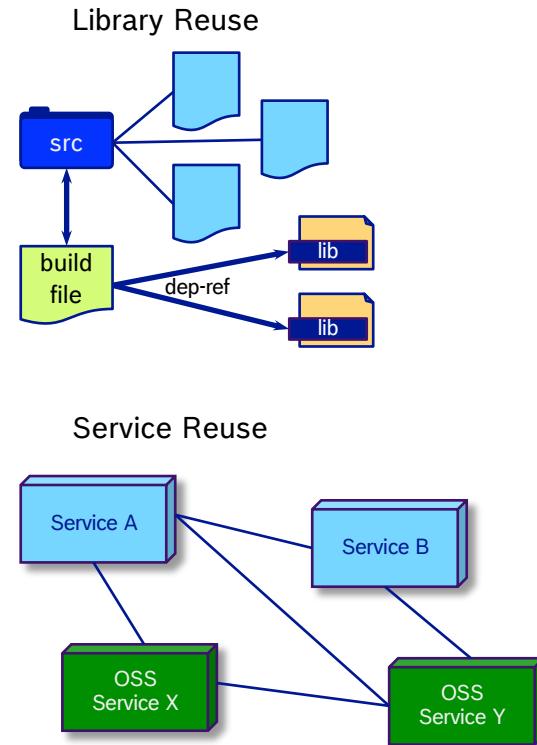
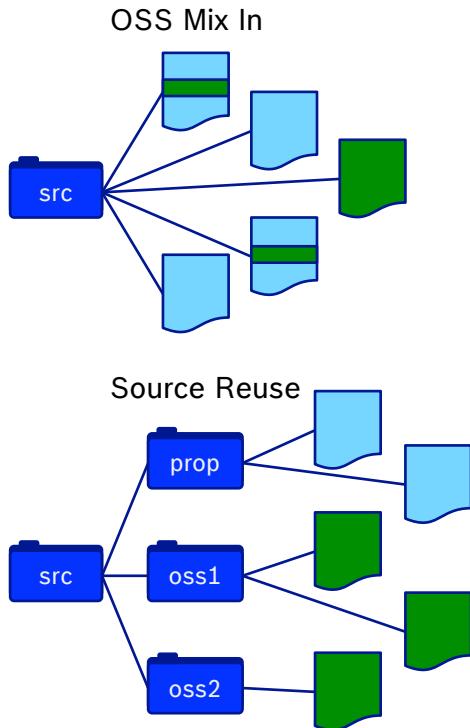
OPEN SOURCE USAGE PATTERNS



Open Source Usage Patterns

Entering Open Source

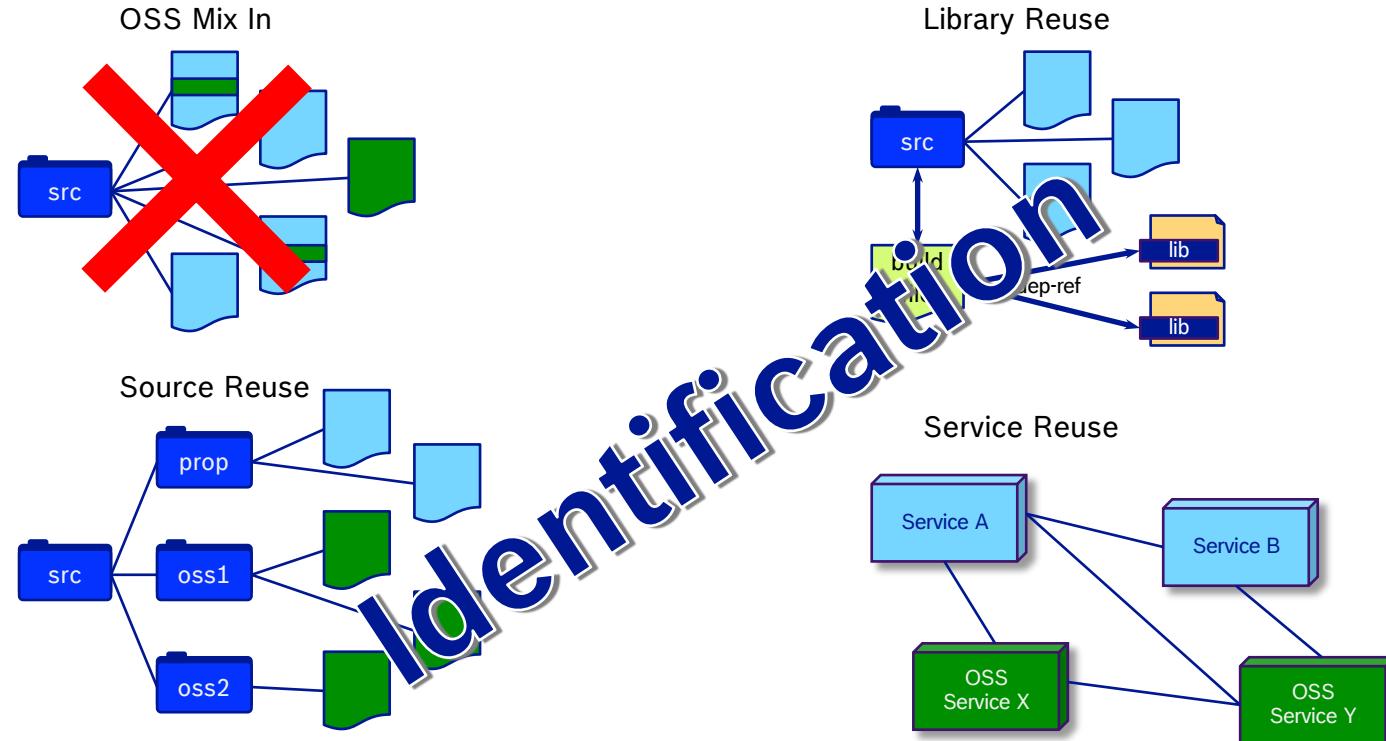
The four ways of introducing Open Source into your software



Open Source Usage Patterns

Entering Open Source

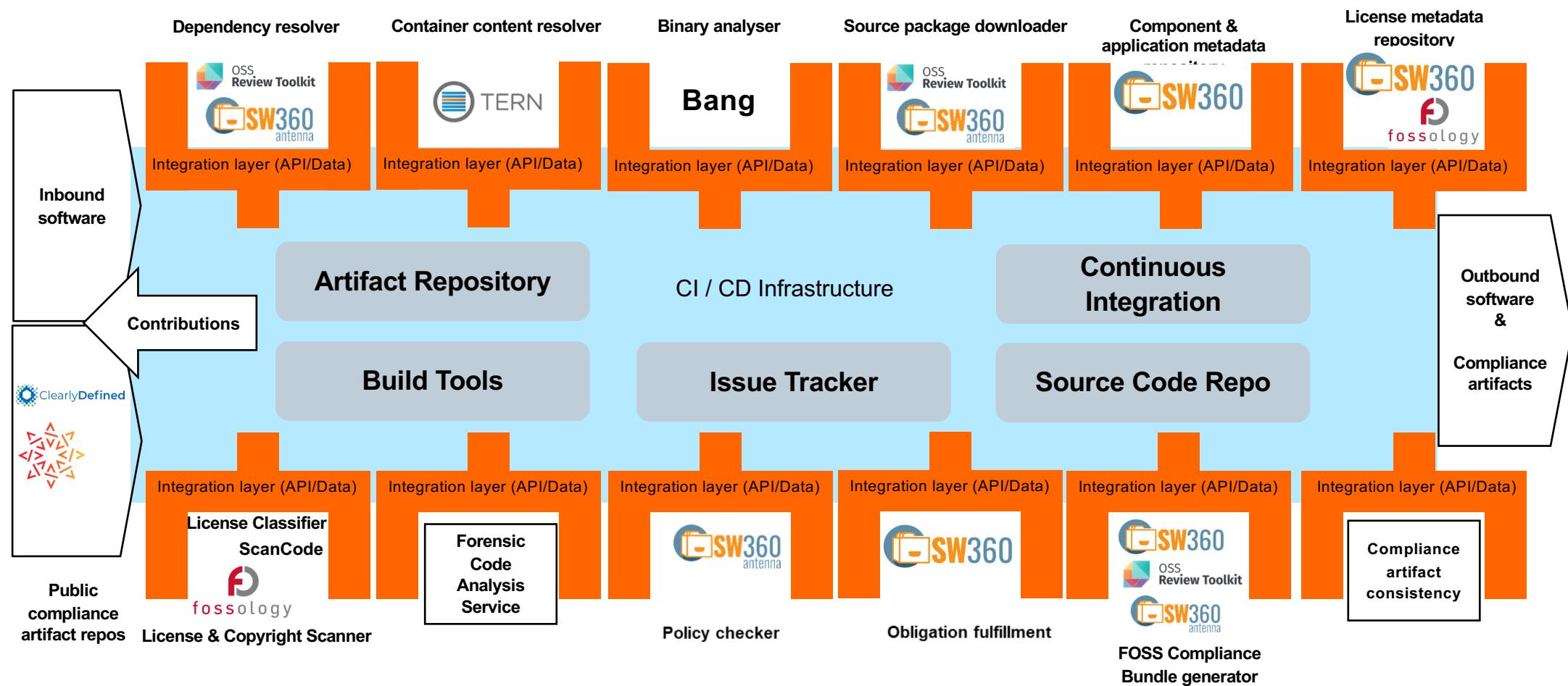
The four ways of introducing Open Source into your software



AUTOMATING OPEN SOURCE COMPLIANCE WITH OSS TOOLING

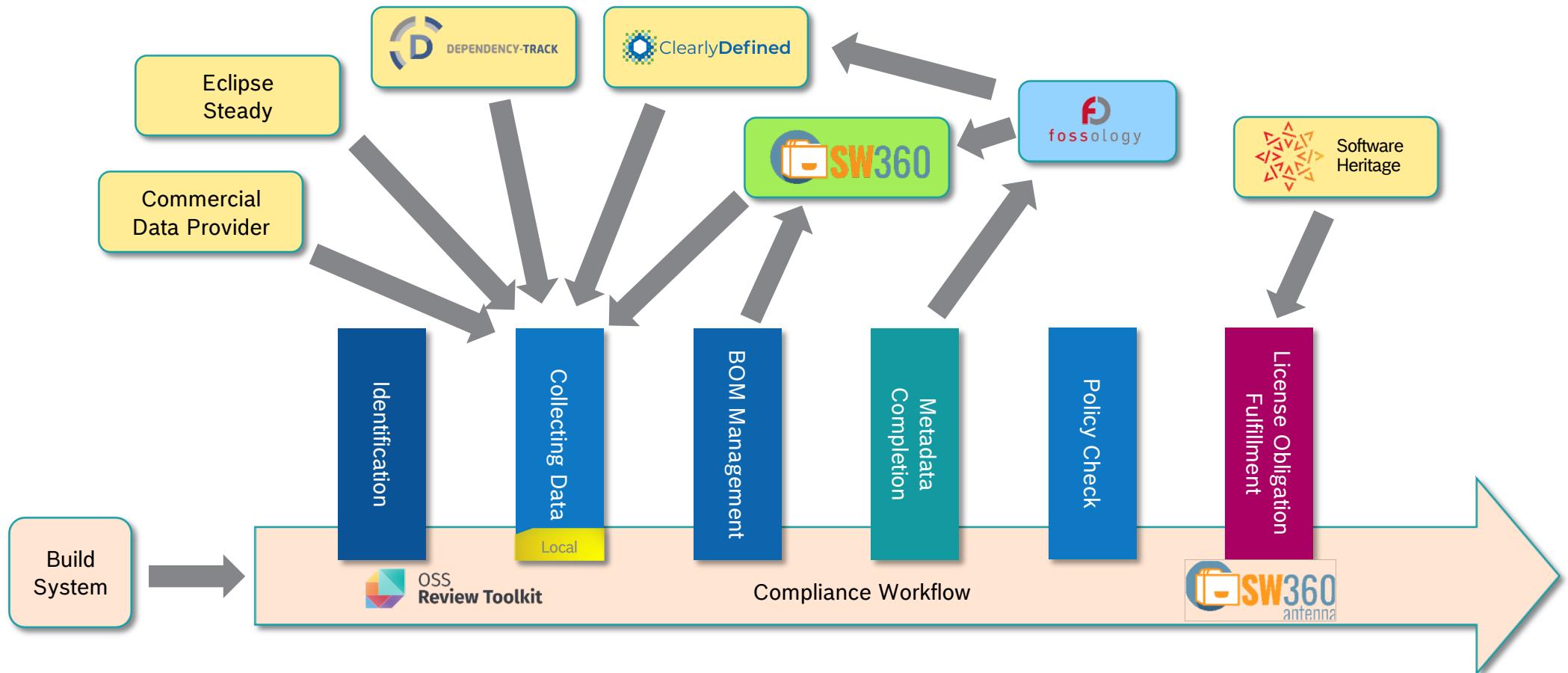


Automating Open Source Management Tooling Landscape



Automating Open Source Management

The Toolchain



DEMO



Ensuring Open Source Compliance Open Source Solution?

- ▶ End-to-End Open Source Management in Enterprises is crucial for compliant usage of OSS
- ▶ Avoid vendor lock-in
- ▶ Ownership of data is crucial to prevent expensive corner cases
- ▶ Free and open data
- ▶ Long term solution independent from supplier
 - ▶ Successful Open Source means defined State-of-the-Art

Ensuring Open Source Compliance Outlook

- ▶ Communities like the Tooling Landscape Group strive to support Open Source Management by a Turn-Key Solution based completely on Open Source
- ▶ Common understanding on the requirements and standardized solutions are coming up on all levels (Processes, Methods, Tooling)
- ▶ Questions – Just get in touch:
 - ▶ <https://groups.io/g/oss-based-compliance-tooling>
 - ▶ <https://accounts.eclipse.org/mailng-list/antenna-dev>
 - ▶ <https://dev.eclipse.org/mailman/listinfo/sw360-dev>
 - ▶ <https://github.com/heremaps/oss-review-toolkit>



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