

From Consumer to Steward

Standardizing Corporate Open Source Risk Practices

Daniel Izquierdo, Bitergia

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Open Source Software is everywhere

- Developers use open source software
- 70% 95% of software includes open source

Commercial Product Offering

Anomhuse

Anomhuse

OSS Software

Most is under the surface - software supply chain

- Developers use open source software
- 70% 95% of software includes open source
- Unmanaged OSS use → unknown dependencies



We need to make this unknown risk known

- Developers use open source software
- 70% 95% of software includes open source
- Unmanaged OSS use → unknown dependencies → unknown risk



Definition: Software Bill of Material (SBOM)

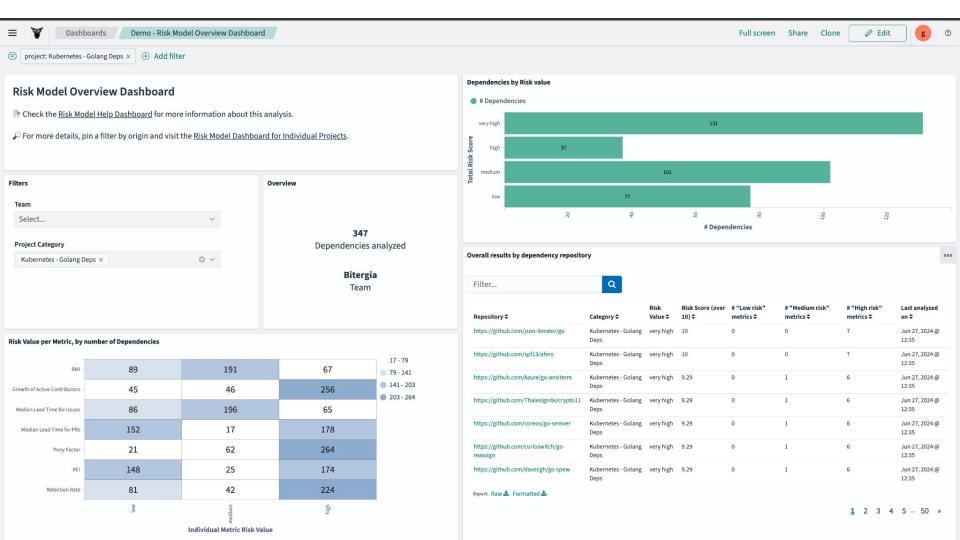
An SBOM is a nested inventory, a list of ingredients that make up software components.

Motivation

- Corporations follow a passive approach, using or rejecting specific OSS components (e.g., CI/CD)
- But typically no ones cares about the sustainability of open source
- Can we grow a set of industrial practices (standards?) to make those projects more sustainable over time?

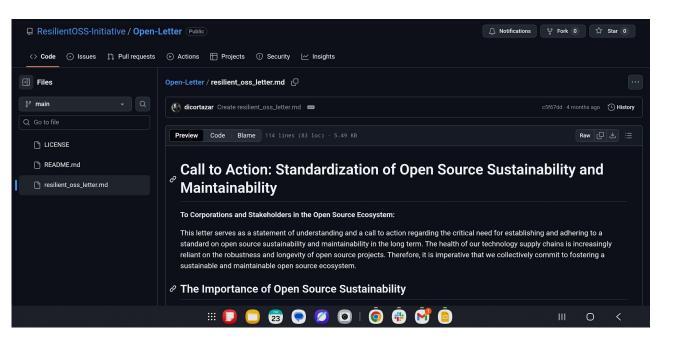
Challenges

- SBoM creation, immutability, and management
- Scale of the SBoM goes over 100K OSS components
- Be part of the conversation is time consuming
- There is no a common vocabulary for sustainability (automotive vs cloud ecosystems)
- No agreement on how to detect risks and define mitigation strategies
- Unmaintained OSS projects or at risk is the norm, not the exception



How can we approach this systematic problem?

Open Letter on OSS Sustainability





Journey

OSS Compass Open Innovation Summit, Beijing

- UN OSS Week, New York
- OSS Summit, Amsterdam
- Digital Resilience Forum, Madrid

UN Open Source Week 2025



 Date
 16-20 June 2025

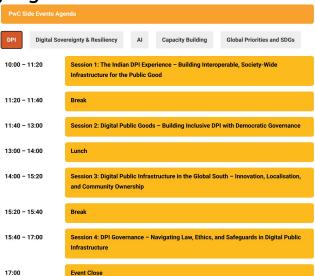
 Venue
 United Nations Headquarters, New York

 Mode
 In-person

 Dress code
 Business

An Open Community for the Global Digital Compact







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A key takeaway was the importance of a participatory approach. Any effort to define sustainability or risk must involve open-source projects themselves to avoid the perception of external parties (i.e., corporations) dictating terms. It was agreed that the goal isn't a single, rigid standard, but rather a set of guardrails or a taxonomy that empowers organizations to build their own risk approaches.

Next Steps

The group agreed to continue the conversation and move forward with the following actions:

- Form a charter: Draft a charter that outlines specific targets and work items for this effort.
- Establish a communication channel: A dedicated invite-only mailing list will be set up to facilitate ongoing discussion, at least initially.

We will share updates on these next steps as they develop and invite you to be as involved as you like. Thank you again for everyone's valuable contributions.





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We're proud to be part of the **Digital Resilience Forum** on 29 October in Madrid. Join 300+ professionals and leaders working to shape resilient, diverse, and independent digital ecosystems.

Speakers include key figures from government, industry, and innovation:

- · Omar Mohsine, OSS Coordinator, United Nations
- John Ellis Codethink
- Adriana Groh, CEO, Sovereign Tech Agency
- Armando J. Manzueta Peña, Vice Minister of Public and Digital Innovation, Dominican Republic
- · Juan Rico, Open Regulatory Compliance at Eclipse Foundation

Soin them! https://hubs.la/Q03Jt_vP0

#DigitalResilience #DRF2025 #innovation #opensource

traducción

Digital Resilience Forum

UN Development Goals: Making Digital Public Infrastructure more Resilient

Omar Mohsine, OSS Coordinator, United Nations





Why do you trust software?: A Journey for the Automotive Industry John Ellis, President and Head of Product, Codethink





The Engine Room for Digital Sovereignty

Adriana Groh, CEO, Sovereign Tech Agency





Digital Sovereignty and Other Fables Amanda Brock, CEO, OpenUK and Executive

Producer State of Open Con





digitalresilienceforum.com/



https://







Friends

AboutCode



CHACSS

AboutCode Foundation

The not-for-profit AboutCode Equiposition develops and advances open source users to automate and secure their software supply chains.

CEI-Sphere

CEI-Sphere is focused on empowering innovation in the Cloud-Edge-IoT (CEI) ecosystem. Its goal is to drive Large-

models, and software to better health on a global scale.







Drupal Association

The Drupal Association is the non-profit organization focused on accelerating

The Eclipse Foundation The Enline Foundation provides our

member organisations with a businesssoftware collaboration and innovation.

Linux Professional **Institute**

support organization for open source professionals.



OpenForum Europe

OpenForum Europe is a not-for-profit, independent organisation dedicated to open, competitive choices.

Open Ireland Network **Open Ireland Network**

The Open Ireland Network is a not-for-Ireland's growing community of island of Ireland who are passionate about all things open source.



The Open Logistics **Foundation**

development of open source software



OpenNebula is a powerful, but easy-touse, open source platform for your cloud infrastructure. OpenNebula unifies public cloud simplicity and agility with private cloud performance, security, and control.

OPENRAIL

The objective of the OpenRail software development in the railway

OPEN SOURCE CONFERENCE 2025 LUXEMBOURG

Conference Luxembourg

opportunity to learn more about already worked through these upgrade processes.

Sovereign Tech



OSPOlogy is a framework for to open source management and OSPO setup. From Birds of a Feather to OSPO available for any organization to adopt at their events



management and engagement

within organizations, and to create

best practices

Agency Sovereign Tech

practitioners with over 10 years of Agency

The Sovereign Tech Agency is the first publicly funded organization in Europe tasked with strengthening critical open technologies with broad societal importance. Providing digital services in the public interest enables the

diversity.

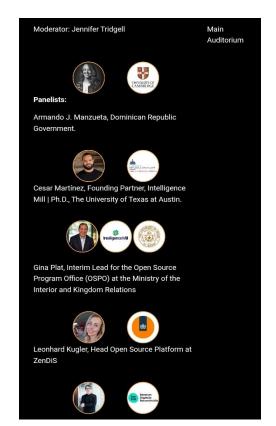


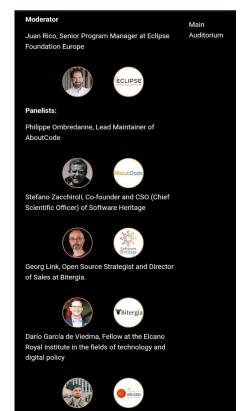
Digital Resilience Forum

International Initiatives to Grow Resilience

https:// digitalresilienceforum.com/







Securing the Digital Supply Chain, a Practical Approach

Summarizing

- Sustainability / Health analysis are the third pillar together with license compliance and security vulnerabilities
- Incipient working group growing industrial practices (not affiliated with any foundation so far)
- You can join the discussion in person at the Digital Resilience Forum in Madrid on the 29th of October or
- You can join the discussion in a virtual way
 - Send an email to dizquierdo@bitergia.com

