

A Vision of FOSS @ Mercedes-Benz

OSPO OnRamp

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Mercedes-Benz







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Create Internal Awareness

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Create Internal Awareness 01

Create an OSPO

Establish an Open Source Program Office (OSPO)

"The Open Source program office is an essential part of any modern company with a reasonably ambitious plan to influence various sectors of software ecosystems."

"Whether you know it yet or not, Open Source is very much at the center of your business. A centralized Open Source Program Office is simply the realization of that reality, and the best way to yield the most benefits from Open Source participation."

- John Mark Walker -

Typical task of an Open Source Program Office

- Define Corporate OS Strategy
- Define OS Policy and Rules
- Establish OS Processes
- Tools for automation, development
- Foster internal knowledge through trainings
- Community management and communication
- Foster OS publication
- Memberships in foundations
- External visibility

Structure of OSPO at Mercedes-Benz Tech Innovation (MBTI)



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Create Internal Awareness 01

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Embrace FOSS

What is "Embrace FOSS"?

USE

 USE (also called CONSUME) means that you use Open Source software during your daily work

CONTRIBUTE

 If during your software development you modify an OS component that you USE and you CONTRIBUTE your modifications back to the Open Source community

CREATE

 You have a cool idea or already created some nice software that you want to share – CREATE an Open Source project and become a Maintainer; build an active community



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All of this!
And more.

USE - FOSS is everywhere

SYNOPSYS OPEN SOURCE SECURITY
AND RISK ANALYSIS REPORT 2022

97%

of 2,409 codebases audited contained Open Source

78%

of code in codebases was Open Source



Open Source in 97% of codebases, 60% of total code was composed of Open Source

60% of code had Open Source vulnerabilities

Data Source: https://www.synopsys.com/software-integrity/resources/analyst-reports/open-source-security-risk-analysis.htm

CONTRIBUTE and CREATE Giving back ...and more!

Frank Nagle

"Companies who actively *contribute back* benefit twice as much as compared to companies who only *use* Open Source".

Reasons

When you contribute you go through a feedback process

→ You learn from experienced developers

It's like an internal training program

→ Making you better and better - Learning by doing



Why should you embrace FOSS?



And don't spill your sugar.

Embracing FOSS has many benefits

- Speeding up innovation
- Higher efficiency in software development
- Influencing the Open Source projects you depend on
- Attracting new talent
- Learn and get better: Companies which don't only use FOSS but actively contribute back benefit twice as much
- ...and many more!



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FOSS Manifesto

The Mercedes-Benz FOSS Manifesto

- Set of guidelines which proclaim the importance of FOSS for a modern tech organization
- Consists of three parts: Preamble, Company Principles, Employee Principles
- Goal: Facilitate the cultural change in Mercedes-Benz IT & our subsidiaries towards Inner and Open Source
- Serve as an example for other companies?





THE MERCEDES-BENZ AG FOSS CENTER OF COMPETENCE AND THE CIO,

RESOLVED to incorporate Free and Open Source Software in our daily software development to improve the quality of our software as well as the speed of delivery,

DESIRING to be an active member in Open Source communities to benefit company, employee, and customer,

CONFIRMING the will to pave the road for their realization,

HAVE DECIDED to establish these FOSS guiding principles:



- I. Mercedes-Benz shall support and encourage its employees to use, contribute to, and create FOSS projects both in Open and Inner Source endeavors. [Encourage FOSS]
- II. Mercedes-Benz shall allow the appropriate time for its employees to participate in FOSS activities. [Facilitate FOSS Participation]
- III. Mercedes-Benz shall encourage and facilitate learning and advancement of its employees through FOSS activities. [Advancement through FOSS]
- IV. Mercedes-Benz shall promote visibility in Open Source communities. [FOSS Visibility]



mployee Principles

- I. An engineer shall look for Open and Inner Source alternatives before writing custom code or using proprietary alternatives. [Prefer FOSS]
- II. An engineer shall strive to be active in the Inner Source communities.

 [Active FOSS Citizen]
- III. An engineer shall contribute to Open Source projects within the scope of his or her day-to-day work. [Contribute FOSS]
- IV. Any employee shall always act responsibly in Open and Inner Source communities, with care and respect in both content and communication, in order to uphold a positive image for both himself / herself and the company. [Responsible FOSS Citizen]

Where to find



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Embrace FOSS

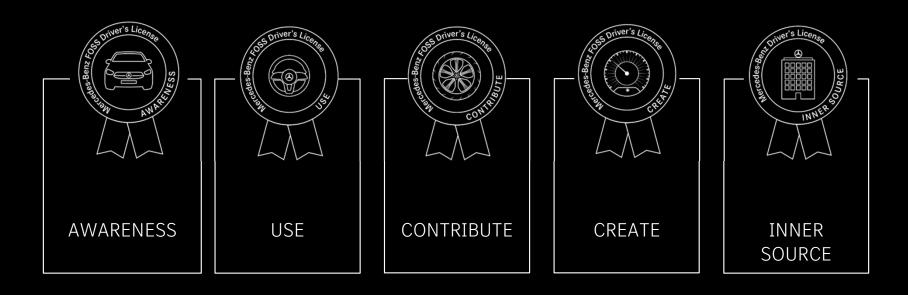
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FOSS Manifesto

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Train Your Employees

FOSS and Inner Source Driver's License



Mindset Awareness about benefits and risks of FOSS

Train the established standards, processes and policies for Use, Contribute and Create, to certify software developers and relevant staff

Train particularities of inter group collaboration

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FOSS Manifesto

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Train Your Employees 05

Foundations and Sponsorships

Foundation Memberships

Foundations are a great part of the FOSS ecosystem!



We are e.g. members of

- Eclipse Foundation (Strategic Member)
- SDV Working Group (Strategic Member)
- Linux Foundation
- Cloud Native Computing Foundation



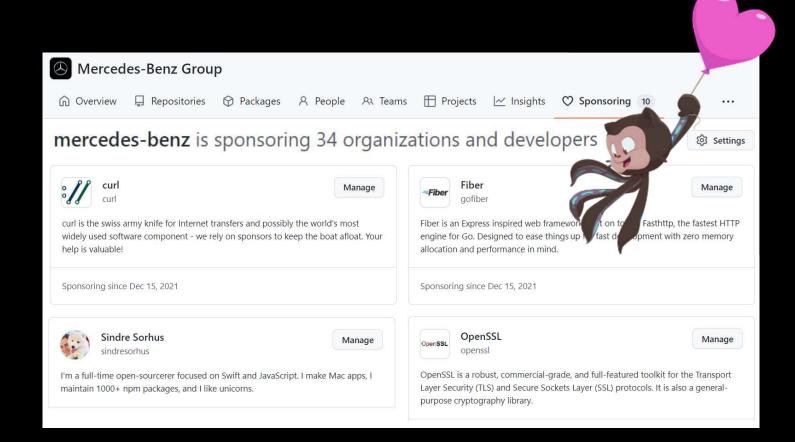




FOSS Sponsorings

We sponsor Open Source Projects through GitHub Sponsors

→ Sponsoring Open Source is about appreciation and giving back, but also helps to ensure that the projects you use are still around tomorrow!



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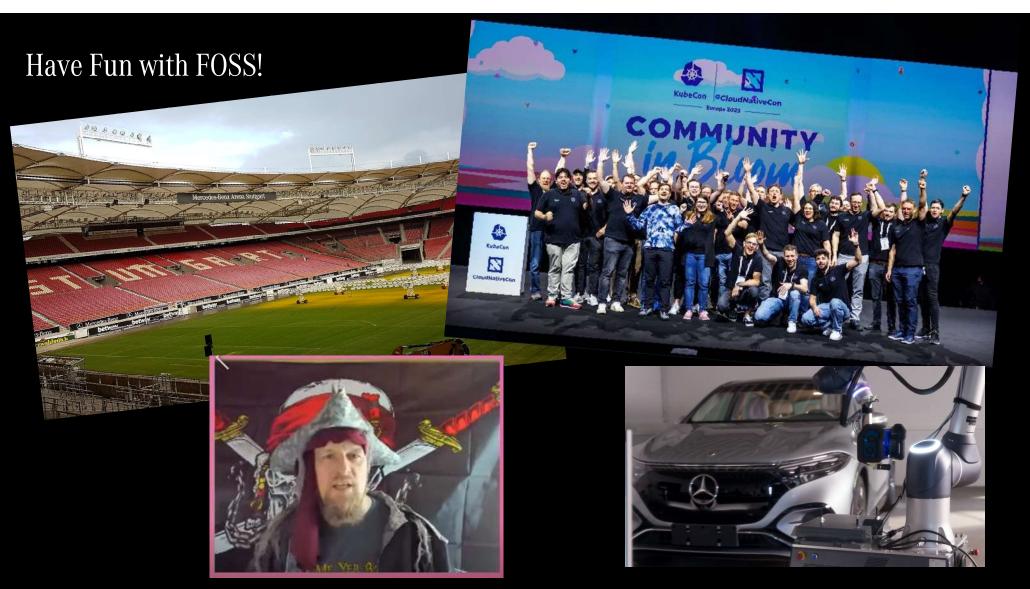
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Train Your Employees 05

Foundations and Sponsorships

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Have Fun!



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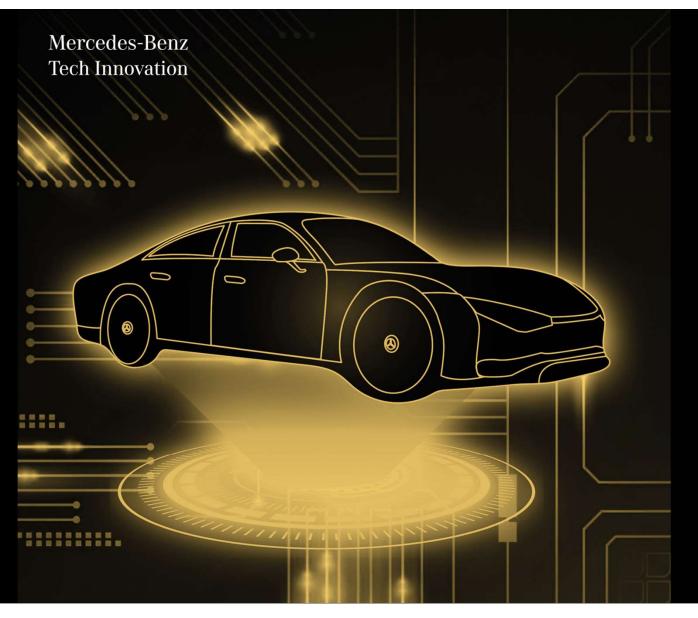
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Have Fun!



We're hiring!



www.mercedes-benztechinnovation.com/en/jobs/

and https://group.mercedes-benz.com/careers/

Mercedes-Benz





