

# Open Source @ Siemens 2026

Latest news on Open Source @ Siemens



# Technology & Collaboration Culture

## A bit of guidance regarding logistics

We have **no special event team**, the people running our internal social coding platform **code.siemens.com** are serving you here as guests.



It's kind of a **family like event**, you get served by SREs, GitLab MVPs, python-gitlab maintainers and friends ... people having Open Source within their DNA.

### 1 Remote participants

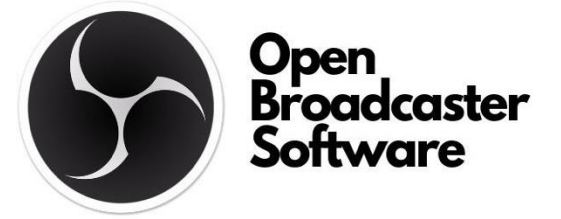
- Feel free to ask any questions in the chat during the presentation
- The moderators will address them during the talk or Q&A
- Hint: You can set your name by clicking on the profile icon

### 02

**Presentations & recordings will be published on the event site**

### 3 On-site

- Please use a microphone when speaking so remote participants can hear you
- Vegan / vegetarian food is marked
- **Keep the venue tidy**
- Empty bottles > bar, trash > recycle bin
- Just as you behave at family events ;-)



Thanks!



ALSADO



SCANDIT



# Latest news

Open Source @ Siemens

# Open Source @ 西门子 2025

## Day 1: Industrial Open Source



## Day 2: Open Source Semiconductors



<https://blog.siemens.com/2025/11/open-source-xi-men-zi-2025/>

## New Open Source Projects by Siemens

- **roxcita**: ROXSITA is a tool to create the ROS AsyncAPI specification for any interface that is currently used in your ROS 2 based runtime system.
- **debsbom**: SBOM generator for Debian-based distributions
- **pkcs11-to-cmd**: PKCS#11 module translating API calls into generic command line interface
- **bt2-ftrace-to-ctf**: Kernel ftrace to CTF converter
- **isar-demo**: Demo project for the build system isar
- **element-icons**: Siemens Element Icons is an icon set for the Siemens Element design system.
- **tia-portal-openness-code-snippets**: A collection of practical code snippets demonstrating TIAPortal Openness API (V20) implementation with easy-to-understand examples. Designed to help developers and automation engineers learn and experiment with TIA Portal automation through modular, ready-to-use code samples.

# First isar meetup in Germany



Isar - Integration System for Automated Root filesystem generation (for Debian-based root filesystems with customizations)



<https://opensource.siemens.com/meetups/2025/>

## Noteworthy upstream contributions & presentations

>1000 commits to by the code crew, e.g.,

- **django-mcp-server**: *implement server instructions tool (#45)*
- **vLLM**: *enforce include usage (#19695)*
- **vLLM (production-stack)**: *anthropic messages endpoint support*
- **Envoy AI Gateway**: *anthropic messages endpoint support*
- **GitLab**: *Step-Up Auth, Token Prefixes, Archived Labels, Protected Terraform States, Instance Rate Limits, Protected Container Tags and Congregate migration tooling*
- **GitHub Terraform provider**: *proxy support*
- **Betterleaks**: *do not crash when workers exceed commits*
- **gitlab-mcp**: *add get\_branch, list\_branches, delete\_branch, get\_user and whoami tools*

Teammates acting according to [The Siemens Open Source Manifesto](#):

- **Zephyr**<sup>®</sup> RTOS contributions by Mika Braunschweig, Stefan Gloor, Dominik Tacke, Julian Paul, Sandro Scherer and Vincent Surkijn
- **aws-controllers-k8s/ec2-controller**, *add EgressOnlyInternetGateway resource support (#326)* by Mai Waly from Egypt
- and of course, many more, **keep going!**

**Conferences & Presentations:**

- Xenomai sub-forum at CCF China Open Source Conference, Jan and Guang Feng
- [DebConf in Brest](#), Siemens as Sponsor FOSDEM 2026, Combining Trace(r)s: Kernel ftrace & LTTng UST by Felix
- [cloudnativeconference.de](#) , Max and Roger

# 10 years of code.siemens.com

from a department GitLab to the largest and most widely used version control platform at Siemens



Thank you all for the  
great collaboration  
across Siemens!



We are happy to serve over 91 000 registered users from 77 countries creating over one million merge requests per year. Over 370 million build jobs have been executed, and Inner Source components being reused over 2500 times.

**Thanks for joining us!**

**Have fun!**

# Please provide feedback!

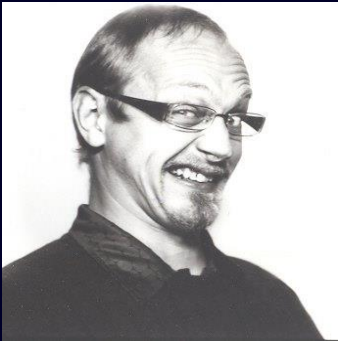
Remote participants



On-site guests



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