

# | Open Source @ Siemens 2021

Welcome to the 8<sup>th</sup> event, great to have you here!



There is no backup team,  
you must make it happen.

Prof. Dr.-Ing. Siegfried Russwurm, 2015

## code.siemens.com

Our social coding platform based on GitLab

### Just do it!

- > 5 years ago, started from CCP department GitLab and extended towards all Siemens developers
- Enable people to collaborate on code and share it within minutes
- Established a vibrant community where people are helping each other
- **For developers, from developers**

### Numbers

- > **200 k** builds/day
- > **42 k** users
- > **70** countries
- > **1 PB** of data
- > **11 M** API requests/day
- > **3800** hosted websites
- > **4** deployments/month
- **8 MVP** (most valuable person) nominations by GitLab for
- > **150** upstream MRs

### Strategy

- Use Open Standards to achieve interoperability
- Use Open-Source Software, contribute (upstream first)
  - The crew maintains several Open-Source projects
- Develop code.siemens.com the Open-Source way
- Twelve-Factor App principle
- APIs to integrate
- No internal help desk



There is no Open-Source  
event, let's create one at BT.\*

Roger Meier, 2013

\* **B**uilding **T**echnologies was a Siemens division, today part of Smart Infrastructure.

## Some Highlights since the first Open-Source event in Zug

In 2014 we talked about SPDX and its license identifiers; we introduced them within *U-Boot* and *POCO C++ libraries*, today they are part of *Linux Kernel*.

We were dreaming about a Siemens wide coding platform; this is in place now!

We had presentations from Roche, Schindler, RedHat, GitLab, Adfinis, DENX, 56k.cloud and many more.

Activities of Siemens in the Open-Source world are growing, e.g.,

- [Next47](#) invests into open-source companies such as [sysdig](#)
- New portals on GitHub, e.g., mindsphere, industrial-edge
- Civil Infrastructure Project, with super long-term Linux and base libraries
- [OpenChain](#) became ISO5230

### This year:

- The first time we are doing the afternoons of the event public.
- E.g., the 2038 journey started within my old department, tomorrow we get some deep insights
- Smaller companies like Sly or CAOS presenting their Open-Source solutions

# The bar – <https://play.bar.siemens.chat>

From physical bar,



to virtual event and bring your own drink



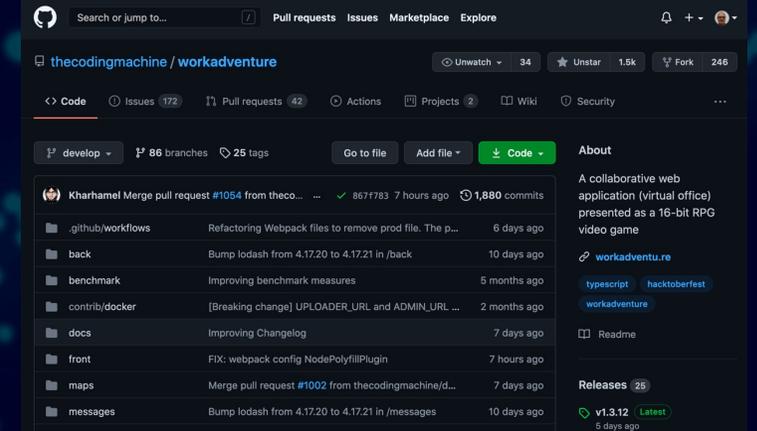
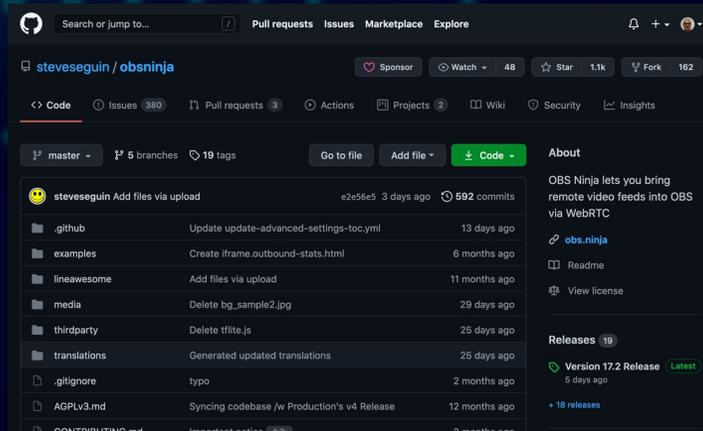
Join the bar any time to have a chat during the breaks or at the virtual bar session 18:00-19:00 CEST.

- No tablet or mobile → real keyboard
- Allow Camera and Microphone when accessing
- Type name and use the arrow keys to navigate

We deployed a non-modified version of <https://github.com/thecodingmachine/workadventure> with a custom map of the famous [Galvanik](#).

Note: For data privacy reasons, no pictures with audience shown.

# Special thanks to the following open-source projects making this event possible



We faced some issues for presenters using Linux with our standard event platform. We therefore had to rearrange a bit and established the conference platform based on the open-source projects mentioned above.

Now, presenters can use any platform including Linux!

# | Contact

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