



# Welcome to the FOSDEM 2026 LLVM dev room!

Organizers:

Marius Brehler, Peter Smith, Kristof Beyls,  
Stefan Gränitz, Diana Picus, Hans Wennborg,  
Valentyn Yukhymenko, Tobias Hieta



# A bit of history

- This is the 12th LLVM dev room.
- First one in 2014; only skipped 2021
  - A few different organizers over the years:  
Renato, Sylvestre, Arnaud, Peter, Kristof, Kiran, Marius, and more
- Third time we're running back-to-back with GCC dev room!

# Participating/Contributing/starting with LLVM

calendar@llvm.org

- [Discourse \(forum\)](#), [Discord \(interactive chat\)](#)
- [Office hours](#), [Online sync-ups](#),
- [community calendar](#)
- [Getting started issues](#) (281 open today)
- <https://llvm.org/docs/GettingInvolved.html>
- In-person:
  - socials in many places
  - LLVM developer meetings
  - FOSDEM
- GSoC, Outreachy
- [Companies hiring](#)

# Participating/Contributing/starting with LLVM

A screenshot of a digital calendar interface for January 2026. The calendar shows various LLVM-related events across the month. The 31st of January is highlighted with a red box. The events listed include:

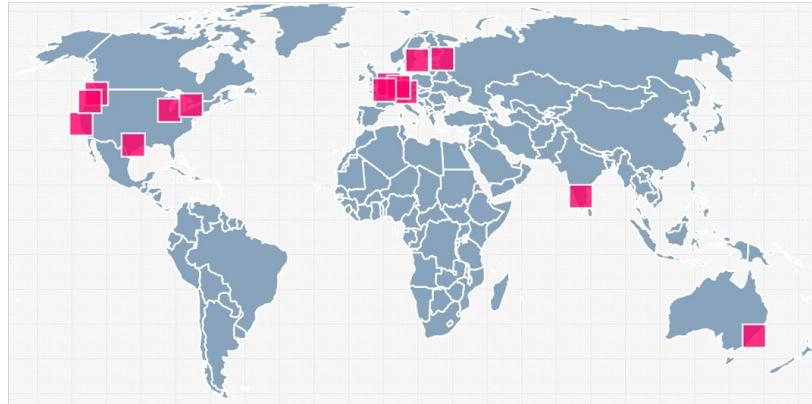
- MA 29: 18:00 ClangIR Up
- DI 30: 16:30 FW: Flang (LLVM 22 branch)
- WO 31: 16:30 Flang Biwe, 17:30 LLVM + Opt, 18:00 LLVM Qual, 19:00 LLVM Point
- DO 1 jan: 16:00 CANCELLED, 16:00 RISC-V LLVM, 17:30 HLSL Work
- VR 2: 17:00 Reflection
- ZA 3: 17:00 HLSL Work
- ZO 4: 17:30 HLSL Work
- 5: 16:30 FW: Flang (LLVM 22 branch)
- 6: 13:00 LLVM Qual, 17:00 Modules di
- 7: 13:30 Lifetime Sa, 15:00 LLVM area, 15:00 LLVM/Offic Nog 5
- 8: 15:30 OpenMP w, 17:30 HLSL Work, 17:30 Infrastructure
- 9: 17:00 Reflection
- 10: 17:00 HLSL Work
- 11: 17:30 HLSL Work
- 12: 15:00 Aaron Ballr, 16:30 Formal spe, 17:00 MLIR C/C+ Nog 5
- 13: 17:00 LLVM 22 branch
- 14: 08:30 Kristof Bev, 15:00 OpenMP ir, 16:30 Flang Biwe Nog 3
- 15: 16:00 RISC-V LLVM, 16:00 RISC-V LLVM, 17:00 LLVM libc r, 17:30 HLSL Work
- 16: 16:00 RISC-V LLVM, 16:00 RISC-V LLVM, 17:00 LLVM libc r, 19:00 Aaron Ballr (LLVM 22.1.0-rc1)
- 17: 17:00 HLSL Work
- 18: 18:00 LLVM libc r, 19:00 Aaron Ballr
- 19: 16:30 FW: Flang (LLVM 22.1.0-rc2)
- 20: 17:00 Modules di, 17:30 Libc++ Mor, 17:30 Libc++ Mor, 19:00 LLVM Secu
- 21: 00:30 Office hot, 13:30 Lifetime Sa, 15:00 LLVM area, 16:00 LLVM Mem
- 22: 15:30 OpenMP w, 17:30 HLSL Work, 17:30 Infrastructure
- 23: 17:00 Reflection
- 24: 17:00 HLSL Work
- 25: 17:30 HLSL Work
- 26: 16:30 Formal spe, 18:00 ClangIR Up, 18:00 LLVM Point
- 27: 02:00 LLVM Bay (LLVM 22.1.0-rc2)
- 28: 08:30 Kristof Bev, 15:00 OpenMP ir, 16:30 Flang Biwe Nog 3
- 29: 16:00 RISC-V LLVM, 16:00 RISC-V LLVM, 17:00 LLVM Embi, 17:30 HLSL Work
- 30: 18:00 LLVM libc r, 14:00 FOSDEM L (1 feb)

calendar@llvm.org

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# Meetups/Socials - In Person

- Happening in many locations; organized by local people.
- You can organize one yourself. Guidance can be found at <https://llvm.org/docs/MeetupGuidelines.html>



# Some advice for online sync-ups, office hours, in-person meetups

- Anyone can attend. LLVM's Code of Conduct applies.
- OK to "just listen in". That's how most folks get started. Getting over the anxiety to "dial in" is the hardest step. The hosts are really looking forward to you being there! Please don't be shy.
- Listed on community calendar and getting involved page.
- Easier to start your own than you think.  
Office hours hosts are one way to get more guidance, next to guidance on "getting involved" page.
- Please spread the word office hours, online sync-ups and in-person meetups exist!

## LLVM community calendar

We aim to maintain a public calendar view of all events happening in the LLVM community such as [Online Sync-Ups](#) and [Office hours](#) <https://calendar.google.com/calendar/u/0/embed?src=calendar@llvm.org> and can also be seen inline below:



The calendar shows events for the month of October 2024. Key events include:

- 29: 15:30 FW: Flang Comm 16:00 Renato Office Hc 16:30 LLVM/Offload -- 16:00 OpenMP work fo 16:00 LLVM MLGO Sync
- 30: 16:00 Anastasia's LLVM 14:30 classic flang tec 16:00 MLIR Open Meet
- 1: 16:30 Libc++ + Monthly 16:00 Clang C/C++ + La 17:00 HSL Working Gi
- 2: 18:00 New Contributor 18:00 LLVM Office Hour
- 3: 18:00 New Contributor
- 4: 16:30 FW: Flang Comm 16:00 Renato Office Hc 16:30 LLVM/Offload -- 16:00 OpenMP work fo 16:00 LLVM MLGO Sync
- 5: 16:00 MLIR C/C++ + Fro 16:30 Alina Sibilea - O 07:30 Kristof Beijls LLVM 16:00 RISC-V LLVM syr
- 6: 17:00 LLVM Pointer Auf 18:00 New Contributor 14:00 OpenMP in LLVM 16:00 RISC-V LLVM syr
- 7: 18:00 MemorySSA in L 18:00 New Contributor 14:00 LLVM + OpenMP 16:00 LLVM Embedded
- 8: 16:30 LLVM + OpenMP 16:00 LLVM Open-Sourc
- 9: 16:00 MLIR C/C++ + Fro 16:30 Alina Sibilea - O 07:30 Kristof Beijls LLVM 16:00 RISC-V LLVM syr
- 10: 17:00 LLVM Pointer Auf 18:00 New Contributor 14:00 OpenMP in LLVM 16:00 RISC-V LLVM syr
- 11: 18:00 MemorySSA in L 18:00 New Contributor 14:00 LLVM + OpenMP 16:00 LLVM Embedded
- 12: 16:30 LLVM + OpenMP 16:00 LLVM Open-Sourc
- 13: 14:00 Aaron Ballman C 15:00 Vectorizer Impro 08:00 Office hours w/it 08:00 OpenMP work fo 16:00 Aaron Ballman C
- 14: 15:30 FW: Flang Comm 16:00 LLVM Security Gi 14:00 LLVM/Offload -- 16:00 MLIR Open Meet 16:00 Aaron Ballman C
- 15: 16:30 Office hours w/it 16:00 New Contributor 14:30 classic flang tec 16:00 New Contributor 16:00 Clang C/C++ + La
- 16: 18:00 New Contributor
- 17: 16:30 FW: Flang Comm 16:00 Renato Office Hc 16:30 LLVM/Offload -- 16:00 OpenMP work fo 16:00 LLVM MLGO Sync
- 18: 16:00 New Contributor
- 19: 01:00 LLVM Bay Area N 15:30 Flang Biweekly S 16:00 RISC-V LLVM syr
- 20: 18:00 New Contributor 16:30 LLVM + OpenMP 16:00 RISC-V LLVM syr
- 21: 18:00 New Contributor 16:30 Amara Emerson 16:00 [CANCELLED] FOI
- 22: 17:00 LLVM SPR-V Ba 16:00 MLIR Open Meet
- 23: 18:00 LLVM Bay Area N 15:30 Flang Biweekly S 16:00 RISC-V LLVM syr
- 24: 18:00 New Contributor
- 25: 16:30 FW: Flang Comm 16:00 Renato Office Hc 16:30 LLVM/Offload -- 16:00 OpenMP work fo 16:00 LLVM MLGO Sync
- 26: 17:00 LLVM SYCL upstream s 18:00 New Contributor 14:30 classic flang tec 16:00 MLIR Open Meet 16:00 LLVM MLGO Sync
- 27: 18:00 New Contributor 16:30 LLVM Office Hour 16:30 LLVM + OpenMP
- 28: 18:00 New LLVM Munich Me
- 29: 15:30 FW: Flang Comm 16:00 Libc++ + Monthly 14:00 LLVM/Offload -- 16:00 OpenMP work fo 16:00 Renato LLVM Of
- 30: 17:00 SYCL upstream s 18:00 New Contributor 14:30 classic flang tec 16:00 MLIR Open Meet 16:00 LLVM MLGO Sync
- 31: 19:00 New Contributor 16:30 LLVM Office Hour 16:30 LLVM + OpenMP
- 1 nov: 15:00 LLVM Munich Me

Evenementen worden getoond in tijzonen. Gecoordeerde wereldtijd

+ Google Agenda

# <https://fosdem.org/2026/schedule/track/llvm/>

	Welcome to the LLVM dev room	Kristof Beyls, Peter Smith, Marius Brehler	15:00	15:05
	Experimenting with the AArch64 Pointer Authentication (PAuth) ABI on bare-metal.	Peter Smith	15:05	15:20
	Hot-patching ClickHouse in production with LLVM XRay	Pablo Marcos	15:25	15:45
	GPU Offloading in LLVM: Architecture, API, and Plugins	Jan-Patrick Lehr	15:50	16:10
	OrcJIT at Scale with the llvm-autojit Plugin	Stefan Gränitz	16:15	16:35
	Generating Programmable NPUs from Linalg with MLIR and CIRCT	Josse Van Delm	16:40	17:00
	WebAssembly Debugging with LLDB	Jonas Devlieghere	17:05	17:25
	llvm-mingw	Martin Storsjö	17:30	17:50
	Building Interactive C/C++ workflows in Jupyter through clang-repl	Anutosh Bhat	17:55	18:15
	(clang-)Tidying up includes in systemd	Daan De Meyer	18:20	18:40
	Zero-sysroot hermetic LLVM cross-compilation using Bazel	Corentin Kerisit, David Zbarsky	18:45	19:00

# Remote people can also ask questions: see chat room links

## Welcome to the LLVM dev room

A word of welcome by the LLVM Dev room organizers.

### Speakers



[Kristof Beyls](#)



[Peter Smith](#)



[Marius Brehler](#)

### Links

- [Chat room\(web\)](#)
- [Chat room\(app\)](#)
- [Submit Feedback](#)