

FOSDEM 2025 - Saturday 2025-02-01 (1/15)

	Janson	K.1.105 (La Fontaine)...	K.3.201	K.3.401	K.3.601	K.4.201	K.4.401	K.4.601
09:30	Welcome to FOSDEM 2025							
09:45								
10:00	Program to Learn: The Power of Creative Coding	Code Is Different: How the Norms and Nuances of the FOSS Developer Community Drive Content Moderation on Code Collaboration Platforms						
10:15								
10:30			Welcome to the LLVM d...	Declarative Object Storage at Scale: Integrating Rook, Ceph, and OpenStack	Welcome to the Nix and NixOS devroom!	Org mode witchcraft at Sritely	Confidential Computing devroom welcome	Welcome to the Modern... aerc, an email client for the discerning hacker
			A New Approach to Callee-Saved Registers in LLVM				Confidential Computing's Recent Past, Emerging Present, and Long-Lasting Future	
10:45					NixOS @ Doctors Without Borders (MSF) - why we use it and how			
11:00	Where have the women of tech history gone? 2.0	Using LLMs to support Firefox developers with code review				CLI Magic Tricks for Docs Projects		Parula - Presenting the new email client
			Moving work into the middle end	Intelligent Tiering for RGW			Confidential Virtual Machines Demystified: A Technical Deep Dive into Linux Guest...	
11:15					How reproducible is NixOS?			
11:30			Improving compile-time computation of object size			Patterns for maintainer and tech writer collaboration	ManaTEE: an Open-Source Private Data Analytics Framework with Confidential Comput...	Structured Email: Building blocks and implementation guidance
11:45				[RESCHEDULED] Making NooBaa Resilient by Eliminating Single Points of Failure	Six months with Nix & devenv and counting			
			O o [Flang + WASM] ...				Supporting Confidential Computing on Arm with Open Source Software	
12:00	Scaling Open-Source Solutions to Achieve the Sustainable Development Goals: A Global Call to Action	Incremental Memory Safety in an Established Software Stack: Lessons Learned from Swift	Things are coming together for Flang tooling		Building an LTE router with a \$60 (new!) laptop and a single file	Evolving real-world AsciiDoc into a specification and how it will help the ecosystem		Stalwart Mail Server
12:15								
			An introduction to Torch-MLIR	Understanding Ceph: A Journey from Metrics to Tracing			Updates on Coconut SVSM: Secure Services and Stateful Devices for Confidential Vi...	Mox and simplifying mail server setup & management ↴
12:30					Remote Execution with Buck2 and Nix	Docs Straight from the Code: AST-Powered Automation ↴		
12:45							Trust No One: Secure ...	

FOSDEM 2025 - Saturday 2025-02-01 (2/15)

	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2213	H.2214	H.2215 (Ferrer)	H.3242		
09:30										
09:45										
10:00								Future of the Arrow ecosystem BOF		
10:15										
10:30	Welcome to the Legal ...	SatNOGS-COMMS: An Open-Source Communication Subsystem for CubeSats	What's new in Nextcloud?	Welcome to the FOSDEM...	Announcement of Libre...	Finding an AOSP developer community	Automated testing for mobile images using GNOME	Offering paid services (contract work, SaaS) - from first steps BOF		
	Europe's Way to Mandatory B2B-E-Invoices			RISC-V Hardware - Where are we?					ODF and its Toolkit	
10:45						LibreOffice Accessibility on Linux, Windo...	AOSP bring-up using Software Rendering		ZSWatch - The Open Source Smartwatch	
11:00	Is There Really an SBOM Mandate?	The road to open source General Purpose Humanoids with dora-rs			Languages and LibreOffice	Panel session: what can we do to improve the AOSP community?				
					Introducing Glow Effect for texts in shap...		Homebrew on ARM64 Linux			
11:15										
				Open Cloud Mesh						
					Unstoppable Force Behind Linux on RISC-V	Improved comments & @mentions				
11:30	How Does Heinz Have 80% of a Commodity Market?* - Leveraging Trademarks in Free Software	Exploring Open Source Dual A/B Update Solutions for Embedded Linux				Testing the QA instructions	Keeping up with the AOSP		Flutter for all the desktops and beyond	Digital Accessibility : Enhancing user experiences for persons with disabilities ↴
						LibreOffice Technology atomic / threading...				
11:45				Why don't we have `libsync` yet?		LibreOffice's Python API: Working around ...		Poppler - the PDF rendering library		
12:00	LGPL enforced in Germany: how we helped a purchaser use the courts to compel compliance	Vulnerability Management at a Scale for the Yocto Project		ABI Extractor - Understanding ABI compatibility between compilers targeting RISC-V	Exploring the deprecated parts of LibreOF...	Accelerating Android Releases: An Unofficial Guide to Trunk Stable				
					LOWA, In Need Of a VCL Plug		Scaniverse Universal Scanner Drivers: One Solution for Every ...			
12:15					Beautiful remote web dialog widgets built...					
			CryptPad: Recent Advances in Privacy and Collaboration ↴		Distributed real-time collaboration for Writer - a first prot...	Forking Android considered harmful ↴	Ladybird - a new independent browser written from scratch			
12:30	Managing copyrights in free software projects - discussion panel ↴	Bootimg blobs between U-Boot and Linux ↴			Add RISC-V support to your favorite Opera...			Automatic Documents, ...		
12:45										

FOSDEM 2025 - Saturday 2025-02-01 (3/15)

	H.3244	AW1.120	AW1.121	AW1.126	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147				
09:30												
09:45												
10:00	Special-Purpose Operating Systems Meetup BOF		Weblate BoF									
10:15												
10:30		MapTCHA, the open source CAPTCHA that improves OpenStreetMap	Creating an Open Knowledge Graph for Climate		The State of OpenJDK		Welcome to the Radio Devroom					
10:45								Using AI hardware accelerators for real- time DSP on embedded devices - NPU, TPU etc,				
11:00	Organizing sponsor free conferences BOF	Discovering indoor environments and positioning systems	WebExtensions BoF	Model for Economic Tipping point Analysis (META) - a climate- economy integrated assessment model in J...		ZGC: Paving the GC On- Ramp		M17 and OpenRTX: one year later				
11:15												
11:30			15-minute city in 15 minutes		JOSSCast: Experimenting with Storytelling in Open Research		Generational Shenandoah Update: Relevance and Best Practice Recommendations					
11:45												
		Panoramax: the full FLOSS alternative to share ground level imagery	Foreman Community discussion ↴	Do we need another open source software taxonomy?								
12:00	Lets discuss performance and scale related challenges BOF						Project Lilliput - Looking Back and Ahead					
12:15												
		Unlocking Open-Source Capabilities in the Copernicus Data Space Ecosystem			Guix + Software Heritage: Source Code Archiving to the Rescue of Reproducible Deployment							
12:30	DevOpsDays meetup ↴											
12:45				Closed data, open software: building new ways into the French...		(Almost) everything I knew about Java performance was wrong ↴		The AFF3CT framework for building numerical communication cha...				

FOSDEM 2025 - Saturday 2025-02-01 (4/15)

	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)	UD2.218A	UD2.208 (Decroly)
09:30								
09:45								
10:00								
10:15								
10:30	Augurs: a time series toolkit for Rust	Syd: An Introduction to Secure Application Sandboxing for Linux	Open Source Firmware,...	What the Spec?!: New Features in Apache Iceberg™ Table Format V3	Community Devroom Wel...	The state of Go	Cache me if you can: P2P Image Sharing in Kubernetes with Spiegel	
			Multi-Profile UKIs and other ways to supercharge your Unified Kernel Images		Compassionate Open Source Community Building (The Tauri Model)			
10:45								
11:00	Building a watt-meter esp-rs and a rocket backend	Tightening every bolt	wolfBoot: resilient, quantum-resistant secure boot for all architectures			The Inner Workings of Go Generics	A new cgroup cpu.max.concurrency controll...	
				Graph Databases after 15 Years - Where Are They Headed?	Bridging the Gap: Regional OSPO Networks as Catalysts for Open Source and Local Community Collaboration			Bringing application containers to Incus
11:15								
11:30	Huge graph analysis on your own server with WebGraph in Rust	Kintsugi: A Decentralized E2EE Key Recovery Protocol	Building firmware with firmware-action			Swiss Maps in Go	Writing a kubernetes controller... But in Rust	
					Build a Great Business on Open Source without Selling Your Soul			
11:45								
		Nothing to see here - practical advice to avoid tunnel vision and similar decloaking techniques against VPNs	Building flashless servers with Open Source Firmware for higher security and bett...	Empowering Data Analytics: High-Performance Graph Queries in DuckDB with DuckPGQ		Privilege Separation In Go	State of Checkpoint/Restore in Kubernetes	
12:00								
	Bringing terminal aesthetics to the Web with Rust (and vice versa) ↴	The SELinux problem that cast a months long shadow ↴	GRUB - Project Status Update		Pick My Project! Lessons Learned from Interviewing and Writing 20+ End User Case Studies	Go-ing Easy on Memory: Writing GC-Friendly code ↴	Immutable All the Way Down - using System Extensions to ship Kubernetes	
12:15								
			Latest implementation of AMD SEV-SNP in O...	[REPLACEMENT] Take the Polar Plunge: A Fearless Introduction to Apache Iceberg™ ↴				
12:30					The Psychology Behind Communities: Why Do We Really Contribut...			
12:45								

FOSDEM 2025 - Saturday 2025-02-01 (5/15)

	UD6.203	UD6.205	UD6.215
09:30			
09:45			
10:00			
10:15			
10:30	MicroCode: Live, Portable Programming for Children	Learn to build your own mobile app with MIT App Inventor	Enhancing Testing Strategies for Critical Systems: Statistical Path Coverage
10:45			
11:00			The Trustable Software Framework: A new way to measure risk in continuous delivery of critical software
11:15			
11:30			KernelCI - upgrading Linux development and integration workflows
11:45			
12:00			Continuously Update Everything two years later
12:15	Learn Python programming using Hedy ↴	Program a Tiny Computer! ↴	
			Concurrency Testing using Custom Linux Schedulers
12:30			
12:45			Automating Low-Level ...

FOSDEM 2025 - Saturday 2025-02-01 (6/15)

	Janson	K.1.105 (La Fontaine)...	K.3.201	K.3.401	K.3.601	K.4.201	K.4.401	K.4.601
			MLIR-based Data Tiling and Packing for Ryzen AI NPU	Scaling Ceph-SMB connections	system-manager: unleashing nix on (almost) any distro	↳ Docs Straight from the Code: AST-Powere...	↳ Trust No One: Secure Storage with Confidential Containers	↳ Mox and simplifying mail server setup &...
13:00	Rust for Linux	A memory allocator with only 0,006% fixed overhead written from scratch				No more broken docs: keep docs accurate with Doc Detective		How to Deploy Full-Scale Secure On-Prem E-Mail Security Cluster as IaC
13:15			An introduction to building and using LLVM libc		Go in the Nix ecosystem: vulnerability scanning and experiments towards a next-ge...		RA-WEBS: Remote Attestation for WEB services	
13:30				SMB3.11 Unix Extensions current status		API documentation testing with AI user simulation		Enhancing Email Spam Detection with LLMs: Practical Experience with Rspamd and GPT
13:45			Programming is fun; Testing is needed; Infra is ...		My Nix-Powered Homelab		Spock : a software-based RISC-V TEE	
14:00	Rewriting the future of the Linux essential packages in Rust ?	Stratoshark: Applying the power of Wireshark to System Calls and Logs				9,800 Sandboxes and Counting: Transforming Documentation with Interactive Learning Environments	Running Mushroom on Intel TDX	Advanced mail security - our experience with automated reputation sharing in communities and pre-queue deep threat analyzers
14:15			Profile-Guided Optimization (PGO) in LLVM: current challenges from the adopter pe...	Security in Ceph and Rook, recent improvements	NixOps4: new, sustainable platform for deployment technology		Confidential Computing devroom lightning ...	
14:30								TLSRPT comes to Open Source
14:45				Optimizing Longhorn for high performance hardware				
15:00	The Selfish Contributor Revisited	Living the SBOM life - the good, the bad and the evil parts	Welcome to the GCC (G...		Engaging the Open-Source Community: Explo...	The state of eBPF docs	Welcome to the Swift ecosystem!	DMARCAroni: where do DMARC reports go after they are sent?
15:15			Pushing the Sega Dreamcast with GCC				Blink them to death using Embedded Swift	
15:30				[RESCHEDULED] From Particle Collisions to Physics Results: EOS Open Storage at CERN	OAuth Authentication and Identity Validation in SIP Systems	bpfftrace: a path to the ultimate Linux tracing tool	Why Swift is the Next Big Thing for IoT	Panel discussion: 5 years of JMAP - experiences and outlook
15:45			First contributions to GCC: from plugins ...		Enabling AI-Powered Conversations at Scale with Kamailio, Fre...		Building a Ferrofluidic Music Visualizer ...	
						Bpfftrace OOM Profiler	age-plugin-se: Buildi...	Authentication and autoconfig for email -...
16:00			Tutorial: How to add a builtin function to the GCC backend ↴	[RESCHEDULED] CERN CTA Service: writing LHC data to tape with...	RTCP, Racecars, video and 5g		Why Swift is the best...	
	14 Years of systemd ↴	Zephyr: Open Source Project Best Practice...				Auto-instrumentation for GPU performance ...		

FOSDEM 2025 - Saturday 2025-02-01 (7/15)

	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2213	H.2214	H.2215 (Ferrer)	H.3242
	↳ Managing copyrights...	↳ Booting blobs between...	↳ CryptPad: Recent Ad...	↳ Add RISC-V support to your favorite Operating System	↳ Automatic Documents...	↳ Forking Android considered harmful	Typed HTML in my Python?	↳ Digital Accessibility : Enhancing user ...
13:00	To Mine Or Not To Mine - Training of (Generative) AI Models under the TDM Exception in EU Copyright Laws	usb9pfs: network booting without the network	Ethersync - Real-time Collaboration in Yo...		Optimizing AutoText & settings for multi-...	Towards a purely open AOSP: Adding Android-like functionality to AOSP		
13:15			NextGraph : Build collaborative, local-fi...		New, shiny WebGL presentations in the bro...		NethServer 8: Solid Foundation for Self-Hosting Web Applicati...	
				RISC-V Unified Database: Streamlining the Ecosystem with a Centralized Source of Truth	COOL - LibreOffice Technology in the brow...			
13:30	Panel: When is an AI system free/open?	Adopting BlueZ in production: challenges and caveats	Panel : Integration between collaborative applications		LibreOffice-based document editing in XWiki through COOL	Second chance: Upgrading devices from Android 9 to Android 14		
13:45					Nextcloud Office: On collaborating across FOSS projects			
14:00		All Open Source Toolchain for ZYNQ 7000 SoCs		Towards seamless Python package installation on riscv64	COOL UI / UX command tracking & analysis	Hijack Launcher3!	Increasing security of internet downloads with Asfaload	NetworkManager and Nmstate community meetup BOF
14:15					LibreOffice on mobile with the Collabora ...		Treating build definitions independent of their origin	
14:30	Auditing Web Trackers with the EDPB's Open-Source Website Compliance Tool	Getting more juice out from your Raspberry Pi GPU	Collabora Online - richer collaboration				sshproxy: how to load-balance ssh	
14:45				How to quickly build an AI startup on open source RISC-V Cores				
15:00	A Free Software App Store for iOS: the App Fair Project's perspective on the DMA	The status of removing /sys/class/gpio and the global GPIO numberspace from the kernel	OpenProject: A Review of the Latest Features and Innovations		getaddrinfo sucks, everything else is much worse	Mainline vs libhybris: Technicalities, down to the buffer	LoRaMesher library for LoRa mesh networks	AT Protocol developer meet and greet
15:15							All the World's a Stage: running a theatre show on open sourc...	
15:30	Breaking tech monopolies in Europe: A fireside chat with the European Commission	Reverse engineering CAN communication and building ECUs using Elixir and the BEAM	Cristal - A flexible wiki UI	From Rust-VMM to KataContainers: THE DEVELOPMENT OF H EXT. BASED SOFTWARE ECOSYSTEM	Catalog Zones in the PowerDNS Recursor (T...	Kernel support for Mobile Linux: The missing 20%	Immich: Self-hosted photo and video management solution	Hachyderm @ FOSDEM! ↴
15:45					Is Big DNS Taking Over? (REPLACES CANCELL...			
16:00	Let's talk about anti-trust! ↴	Samsung Camera to Mastodon Bridge	Collaborative editing in a MediaWiki envi...	RISC-V Linux bug hunting ↴	DNS for enterprise domains: FreeIPA and Samba AD experience ↴	Weather and emergency alerts	Celebrating Open Standards: How Podcasting 2.0 Shaped the Fut...	

FOSDEM 2025 - Saturday 2025-02-01 (8/15)

	H.3244	AW1.120	AW1.121	AW1.126	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147	
	↳ DevOpsDays meetup	Terra Draw: Drawing on all the web maps!	↳ Foreman Community discussion	↳ Closed data, open software: building ne...		↳ (Almost) everything...		↳ The AFF3CT framework for building numerical communication chains	
13:00	Mozilla Contributors: Newcomers and Old timers Meetup		NGI Zero network meetup BOF	Preserving LHC Analyses with Rivet: A Foundation for Reproducible and Reusable Particle Physics Research		Monitoring Security Operations with JDK Flight Recorder Events			
13:15									
				Connecting the Geospatial Dots with Raku	CartABI: instrumenting the authoring of interactive maps and figures				
13:30									
			OpenLayers, the reference web-mapping library			Quo Vadis, class space? A look at class metadata storage in the Hotspot JVM		HAMNET - Status Update	
13:45									
14:00	Multicore & Concurrency: Algorithms, Performance, Correctness	How to Save a Life	Opening the Unlocked Manuscript Chest: A Compact Edition		Native memory tracking for all - Extending NMT beyond Hotspot				
			Template for Visualizing Archival HTR Material						
14:15			Explore large image datasets with Panoptic						
14:30					Reduce the size of your Java run-time image		RF Swift: A Swiftly Toolbox for All Wireless Assessments		
14:45			How Open-Source Software is Shaping the Future of Healthcare						
15:00	Cloud Autonomy and Interoperability: The Eclipse Cloud	How FreeBSD security audits have improved our security culture	Global Voices, Inclusive Orgs: How Open-Source Sets the Standard for Inclusivity and How You Can Too BOF	Devroom welcome	InvokeDynamic in Practice with JRuby	Welcome to the web pe...	SDR++, a modular, cross-platform SDR utility ↴		
				Building the next generation of Cloud Native Database					
						Active Tigger: Accelerating Collaborative Text Annotation for...		How browsers REALLY load Web pages	
15:15						PICO Scholar: Advancing Open Research with an Open-Source AI ...			
15:30			Human-Computer Counter-Choreographies	Reusing PostgreSQL codebase in a Distributed SQL Architecture (YugabyteDB)	Inner Workings of the FFI API in the JVM				
		Wake up, FreeBSD! Implementing Modern Standby with S0ix							
15:45									
		Tracking bulk builds in pkgsrc - from Cloud to NetBSD Native ↴						Making Sense of the Long Animation Frames (LoAF) API ↴	
16:00	Open-Hardware E Ink Devices with Modos: D...	pkgsrc - from Cloud to NetBSD Native ↴	OpenStack Community Meetup BOF ↴	Open Research Organizers Panel ↴	Foreign Function and Memory APIs and Swif...	Long Animation Frames (LoAF) API ↴			
									Designing YDB: Constr...

FOSDEM 2025 - Saturday 2025-02-01 (9/15)

	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)	UD2.218A	UD2.208 (Decroly)
	↳ Bringing terminal aesthetics to the Web with Rust (and vice...	↳ The SELinux problem that cast a months ...	↳ Latest implementation of AMD SEV-SNP in...	↳ [REPLACEMENT] Take the Polar Plunge: A ...	↳ The Psychology Behind Communities: Why ...	↳ Go-ing Easy on Memory: Writing GC-Frien...	Play with Kube using Podman	
13:00		A Practical Introduction to using sq, Sequoia PGP's CLI				Build better Go release binaries		
13:15	Abusing reborrowing for fun, profit, and a safepoint garbage collector		no more boot loader: boot using the Linux kernel	Accelerating QuestDB: Lessons from a 6x Query Performance Boost	Six Degrees of Kevin Bacon - Open Source Community Edition		Comparing Fuchsia components and Linux containers	
13:30		Using DPoP to use access tokens securely in your Single Page Applications	TrenchBoot - project status update			A database for your program state		
13:45					Unearthing the impact of survivorship bias on women in FOSS to build more inclusive communities		Declarative Networking in Declarative World, ver. 2025	
	Type tips and tricks		U-Boot ACPI support on ARM64	ODBC Takes an Arrow to the Knee		High performance gRPC	Incus cluster: private cloud with system containers	
14:00		Breaking Barriers: The Art of (Free) Gamified Security Training			Open Source in Industrial Control Systems: A Cultural Challenge			
14:15			WoA laptops: a quest for getting the right DTB					
14:30		TKey, an open source/open hardware security token for SSH et c		Apache Arrow tensor a...		Katzenpost: developing privacy software in Go	Implementing a rootless container manager from scratch	
14:45	How I optimized zbus by 95%		Open Source Firmware,...		How a City Platform Became a Global Community			
15:00		Hardware backed SSH keys: ssh-tpm-agent	Welcome to the Microk...			Developing a modern shell and programming language with Go	Sandbox IDs with Landlock	Federated Blogging with WriteFreely
15:15			HelenOS: 20 years of past history, 20 years of future vision		From Side Projects to Sustainable Open Source			
15:30	Programming ROS 2 with Rust	Sigsum: Detecting rogue signatures through transparency	Celebrating kernel diversity with Genode	voletti: sampling efficiently from high dimensional distributions		An Intro to eBPF with Go: The Foundation of Modern Kubernetes Networking	Running Containers Under Systemd: Exploring Podman Quadlet	Friendica - under the radar since 2010
15:45					Empowering Communities and Local Tech Companies with Government-Supported FOSS Localization Project		Could we actually replace containers?	
16:00	Lessons from rewriting systems software in Rust ↴	An overview on detecting Login Anomalies ...	MACHINA: Lessons and Insights from Reimpl...	dbt-score: a linter f...	Kickstarting an Open ...	WebAssembly for Gophers: from Wasm to Asm...		Funkwhale presentation : to audio federat...

FOSDEM 2025 - Saturday 2025-02-01 (10/15)

	UD6.203	UD6.205	UD6.215
	↳ Learn Python programming using Hedy	↳ Program a Tiny Computer!	↳ Automating Low-Level Firmware Validatio...
13:00			Unlocking the Power of Property-Based Testing
13:15			Zap the Flakes! Leveraging AI to Combat Flaky Tests with CANN...
13:30			Breaking things for fun and profit
13:45			
14:00	Modsoup : Recipe and ingredients - Creating a modpack/gamepack for Luant/Minetest	Snap!GPT: Exploring Generative AI Through Visual Programming	Fuzzing databases is difficult
14:15			
14:30			Advanced Test Harness Infrastructure for Validating ARM and FPGA-based Systems
14:45			
15:00			Squashing the Heisenbug with Deterministic Simulation Testing
15:15			
15:30	Physics count game using ZIM ↴	The Magic of Making a Radio Remote Controller ↴	Testing Support for Multiple Authentication Methods in ClickHouse
			Using Combinatorics and Behavioral ...
15:45			
16:00			Accelerating CI Pipelines: Rapid Kubernet...

FOSDEM 2025 - Saturday 2025-02-01 (11/15)

	Janson	K.1.105 (La Fontaine)...	K.3.201	K.3.401	K.3.601	K.4.201	K.4.401	K.4.601
16:15	↳ 14 Years of systemd	↳ Zephyr: Open Source Project Best Practices Over Time	↳ Tutorial: How to add a builtin function...	↳ [RESCHEDULED] CERN CTA Service: writing LHC data to tape wi...	SIP-V+T=♥? Tales of taking VoIP out of SIP and adding TCP in...	↳ Auto-instrumentation for GPU performanc...	↳ Why Swift is the best language for building modern applicat...	↳ Authentication and autoconfig for email - Update on standardization efforts
						Extracting reliable data for short-lived processes using eBPF for Linux Security ...		
16:30			Using the Valgrind error manager for file descriptor tracking	Advancing Large Scale Scientific Collaborations with Rucio	WebRTC support in WebKitGTK and WPEWebKit with GStreamer: Sta...	Latest kprobe and uprobe development	Live coding a streaming ChatGPT proxy with Swift OpenAPI—from scratch!	How email addresses are growing to support unicode
16:45								
					Kamailio 6.0 (development) update	Performance evaluation of the Linux kernel eBPF verifier	How to put Swift in a box: Building container images with swift-container-plugin	(Avoid) Implementing STARTTLS
17:00	Forked Communities: Project Re-licensing and Community Impact	Building Local AI with a full-stack approach	Cobol is the Original Safe Language		A long, short history of realtime AI agents	Mitigating Bugs in the Linux eBPF Verifier using Rust- or PREVAIL-based Layered V...	Building Truly Native Cross-Platform Desk...	
17:15				CephFS: from synthetic benchmarks to real-world user workloads				
17:30			Optimizing switch statements: overview and what's new		Chatting on IRC in 2025: grandpa, what's up?	Building your eBPF Program with Rust and Aya	Your First AWS Lambda Function	Post-Quantum Cryptography in OpenPGP
17:45			Incremental LTO in GCC	Case Insensitive Trees in CephFS	Call fraud prevention through traffic tre...			
18:00	The Big FOSDEM Quiz of the Year	Databases in the AI Trenches	CRC detection and optimization		AI for Meetings	Five silly things to do when benchmarking your BPF program	„Which is which, and who is who?” - Build...	Delta Chat, from e-mail messaging to Peer-to-Peer realtime networking
18:15								
18:30			Debug fission - Separating debug symbols from executables	Operating OpenStack Swift in real life	A Universal and Stable API to Everything: XMPP	Writing a Minimal Scheduler with eBPF, sched_ext, and C	Distributed Tracing in Server-Side Swift	
18:45			Cross-platform JIT compilers with GNU Lightning			An Introduction to Netkit: The BPF Programmable Network Device	Building reliable and scalable apps with Distributed Actors	Chatmail server networks for anonymous end-to-end encrypted messaging
19:00								

FOSDEM 2025 - Saturday 2025-02-01 (12/15)

	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2213	H.2214	H.2215 (Ferrer)	H.3242
16:15	↳ Let's talk about anti-trust!	Introduction to pmbotstrap	↳ Collaborative editing in a MediaWiki environment	↳ RISC-V Linux bug hunting	↳ DNS for enterprise ...	Bringing Oniro to Mobile: Challenges in H...	Status of CJK input system in Wayland	↳ Hachyderm @ FOSDEM!
		Interacting with Tesla vehicles locally o...			NetBox DNS - Single source of truth for DNS	Sxmo: A mobile UI for hackers		
16:30	The EU CRA and Copyleft	MicroPython - Python for microcontrollers and Embedded Linux	From Open Collaboration to Customized Control: Transitioning from Wikidata to Wikibase				From Pixels to Procedures: An Open Source Design Suite for 20...	Debian BoF
16:45				How good is RISC-V: Comparing benchmark results	rDNS Map In Your Hands	Mirror Hall: Building virtual network displays to bridge mobile and desktop		
17:00	Legislative overlay: anticipating and navigating through regulatory vectors	Zephyr RTOS Roasting Party	Cyphr integration in Tiki: Email as a fir...		Prove website, domain, and network ownership	OpenAGPS - Open source GNSS Assistance		
17:15			A wiki as shared collaboration arena for ...					
17:30	CRA Q&A on Open Source Stewards under the Cyber Resilience Act	Developing BLE Host Applications with Zephyr	Secure credential collaboration with Pass...	Open-Source CPU: Deep-dive into RISC-V CFU and Zephyr	Modern zone replication using LMDB and Lightning Stream	Mobile Browsers: the Best of Times, the Worst of Times		MPTCP community meetup BoF
17:45			End-to-end Enterprise Search with Datafari Community Edition			libobscure: Cameras are STILL difficult		
18:00	Organizer's Panel	The USB-MIDI 2.0 device class in Zephyr		Upstream Embedded Linux on RISC-V: The Good, the Bad and the Ugly	How to make BIND 9 fast(er)	phosh: Yet another year around the sun!		
18:15			How hard is it to bring a professional le...		Honey, I shrunk DNSdist			
18:30		Using embedded Rust to build an unattended, battery-powered device	Rethinking the Web CMS and Finding the Ex...			postmarketOS: what is it and what's new?		
18:45			Consent-based Secure Collaboration with S...					
19:00								

FOSDEM 2025 - Saturday 2025-02-01 (13/15)

	H.3244	AW1.120	AW1.121	AW1.126	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147
	↳ Open-Hardware E Ink Devices with Modos: Discussion & Demos	↳ Tracking bulk builds in pkgsrc - from C...	↳ OpenStack Community Meetup BOF	↳ Open Research Organ...	↳ Designing YDB: Constructing a Distributed cloud-native DBMS for OLTP and OLAP from the Ground Up	↳ Foreign Function and Memory APIs and Swift/Java interoperab...	↳ Making Sense of the Long Animation Frames (LoAF) API	↳ SDR++, a modular, C...
16:15				Research 101: Promoting Diversity Through Open Science Litera...				Broadband data transfer over USB for GNU/Linux: 1-2 GHz (L-band) SDR receiver dedicated to GNSS (and other) reception, interfacing with PocketSDR, GNU Radio and gnss-sdr
16:30	Patchouli: Open-Source EMR Drawing Tablet	High Performance Packet filtering in BSD. A holistic review		Building Bridges Between Researchers, Technologists, and Infrastructure	Migrating Massive Aurora and MySQL Databases to Vitess Kubernetes Clusters with Near-Zero Downtime	Project Leyden - Past and the Future		
16:45							Scheduling HTTP streams	
17:00	Let's huddle around Nextcloud BOF	A packet's journey through pf	How to Become a Contributor? An Open Source Masterclass BOF	Voluntary data sharing is broken: Data donation for scientific research as site of digital repair	Tracing the Internals of a Cloud-Native Database	Valhalla Stage 2 - Nullness Emotion		Meshtastic - off-grid communication for everyone
17:15								
17:30		Making NetBSD as a fast(er) booting microvm		The conundrum challenges for Research Software and Research Data in Open Science		Advancing Java Profiling: Achieving Precision and Stability with JFR , eBPF and user context	Chromium on Android: How we doubled Speedometer & developed the LoadLine benchmark	
17:45				Beyond Compliance: Assessing Modern Slavery Statements using the Wikirate platform	Distributed SQL Technologies: Raft, LSM Trees, Time, and More			
18:00			Version control is changing! BOF			Unpick performance mysteries benchmarking GraalVM native executables		Yet another new SDR runtime?
		Writing about FreeBSD		Research Software, Sustainability, and RSEs	Distributed Databases: Essential or Optional?			
18:15					Unlocking Global Resilience using Cloud N...		Collaborate using the Firefox Profiler	
18:30					Running Mattermost on YugabyteDB	Understanding the GraalVM Native Image Build Process		
		FreeBSD audit source and other syslog-ng news		Applying the "Do No Harm" Principle to Open* Practices and Technology	Migrating 3B rows to TiDB for a high-traf...			
					I Like To Move IT, Move IT - Replication ...			
18:45								
19:00								

FOSDEM 2025 - Saturday 2025-02-01 (14/15)

	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)	UD2.218A	UD2.208 (Decroly)
16:15	↳ Lessons from rewriting systems software in Rust	↳ An overview on detecting Login Anomalies with BuffaLogs	↳ MACHINA: Lessons and Insights from Reim...	↳ dbt-score: a linter for your dbt model metadata	↳ Kickstarting an Open Source Culture: A Guide for Mentors	↳ WebAssembly for Gophers: from Wasm to Asm and back!	DNF manifest: A new way to replicate your...	Elk: A Nimble Client for Mastodon
							Kubernetes outside of the cloud: Lessons learned after 3 years	Build your own timeline algorithm
16:30		Managing Vulnerabilities in Open-Source Dependencies	CMRX: Microkernel-based RTOS with memory isolation on MMU-less architectures			Playing games without a computer: Hardware fun with TinyGo		Non-Microblogging Software Design on the Fediverse
16:45	Writing safe PostgreSQL extensions in Rust: a practical guide				Talking to Robots: Uses and Abuses of LLMs in Communities			
				Open Source Business Intelligence - Introduction to Apache Superset			Syd+Youki=Syd-OCI: Introduction to a Secure Container Runtime for Linux	
17:00		What if Log4Shell were to happen today?	Obtaining Safety & Security Certifications for L4Re			Implementing parallelism: how we added threading and multicore support in TinyGo		Fediscovery: Improving Search and Discovery on the Fediverse
					Open Source Governance for Software Engineers			
17:15							Less overhead, strong isolation: Running containers in minimal specialized Linux ...	
	Rust-ifying the Linux kernel scheduler (in user space)		A Formal Specification of the NOVA Microhypervisor	Enhancing Airflow for Analytics, Data Engineering, and ML at Wikimedia		Return Of Go Without Wires		Today's fediverse: a good start, but ther...
17:30		How Threat Actors Are Weaponizing Your Favorite Open-Source Package Registry			Digital Public Goods - Incentivizing Collaboration		Dangerzone: Containers that contain containers that contain attackers	Manyfold: Federating 3d models
17:45			Cancelling POSIX syscalls in Managarm - an asynchronous microkernel-based OS					Show and Tell: Federation at Forgejo
						Go Lightning Talks		Mobilizon: Decentralizing Event Management for a Privacy-Respecting Social Web
18:00		Hunting for GitHub Actions bugs with zizmor		Developing Custom UIs to Explore Graph Databases Using Sigma.js	Become a Hiro		D4C: Leveraging Delta Encodings for Faster and Lighter Container Image Updating	
18:15	Adventures in oxidizing Arch Linux Package Management		POSIX Signals in User Space on the Redox Microkernel					Networked Journalism: Bringing long-form publishing to the Fediverse
		Enhancing artifact security with GitHub Artifact Attestations					TuxWrangler: Image Wrangler	
18:30								
			Trusted boot with the Genode OS Framework	A Business Intelligence architecture for ...				
18:45								
19:00								

FOSDEM 2025 - Saturday 2025-02-01 (15/15)

	UD6.203	UD6.205	UD6.215
	↳ Physics count game using ZIM	↳ The Magic of Making a Radio Remote Controller	↳ Accelerating CI Pipelines: Rapid Kubernetes Testing with vC...
16:15			
16:30			Advanced Build Tools and Remote Execution API
16:45			
17:00			Streamlining package testing with Molecule and Jenkins
17:15			
17:30			Infra for Drones: Lessons learned from 15 years of open source robotics.
17:45			
18:00			Refining the Release Strategy of a Custom Linux Distro
18:15			
18:30			Enhancing delivery using Kubernetes Gateway API and Istio
18:45			
19:00			

FOSDEM 2025 - Sunday 2025-02-02 (1/15)

	Janson	K.1.105 (La Fontaine)...	K.3.201	K.3.401	K.3.601	K.4.201	K.4.401	K.4.601		
09:00	What FLOSS Means in the AI World	Next Generation Internet 2025: where next?	Top Accessibility Errors Found in Open Source Through Automated Testing	Toward a unified abstract content API			Welcome to attestation devroom!	Moving Beyond Containers - Introducing Boxer		
					What do maintainers need from funders and others? We asked Maintainers to find out.					
09:15										
09:30					Solving the world's (localization) problems			The OpenAPI Standards Landscape: A Year of Innovation	Binding Intel SGX Root-of-Trust to PKI to Establish High-Performant Trusted Channel Between Enclaves	Wazero vs Chicory: An In-Depth Comparison Between Two Language-Native Wasm Runtimes
		Writing an MP4 Muxer for Fun and Profit								
09:45										
				Building Sustainability: A Case Study in Funding Diversification for Decidim						
10:00	GIMP 3 and beyond	APuP: A Hundred-Line Hack to Make Wi-Fi Great Again	Alternative Text for Images: How Bad Are Our Alt-Text Anyway?	PipeWire state of the union		API Scoring - The Secret Weapon in the Battle for API Excellence	Integrating Intel TDX remote attestation into SSH	WASM meets unikernels: Secure and Efficient Cloud-Native Deployments		
10:15										
								Attested Noise Protocol for Low-TCB Trusted Execution Environments	Cyber-Physical WebAssembly: Interfacing with USB and I2C Hardware	
10:30			Secure and Inclusive: WebAuthn for (Multi-Factor) Authentication			20 Years of Hacking the Funding of XWiki and CryptPad	Harmonizing APIs: a comparison of OpenAPI and GraphQL using the Spotify schema			
10:45										
						Secure Push Attestation with Extensible REST APIs				
11:00	Early Screening of "ZeMarmot" animation film (work-in-progress) with live music	FSF's criteria for free machine learning applications	How do we work out the environmental savings from accessibility?	FFglitch: the multimedia bitstream editor		AsyncAPI for Event-Driven World 101		[CANCELED] The current state of debugging in WebAssembly		
11:15									Why and How Companies Should Pay Open Source Maintainers	
11:30			Growing inclusive communities: Djangonaut Space program			Building Agentic GraphQL APIs With LLM Tool Use & Knowledge Graphs	Measurement and Attestation Schemes for Container Sandboxes	WebAssembly-powered game console		
11:45										
				Embedded Video Systems With Zephyr						
					Storytelling, networking, and strategy: three keys to successful fundraising					
12:00	The Road to Mainstream Matrix ↴	Beyond the README: Crafting a Better Developer Experience for Open Source Project...	Multilingual Speech Technologies That Understand You ↴			From DB Schema to API: A Deep Dive into Database-Driven API Tools ↴	Virtual Machine attestation on Arm CCA	Seeing Eye To Eye: Computer Vision using wasmVision ↴		
12:15									Remote Attestation in...	

FOSDEM 2025 - Sunday 2025-02-02 (2/15)

	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2213	H.2214	H.2215 (Ferrer)	H.3242
09:00	Atomic Honeypot: A MySQL Honeypot That Drops Shells	Boot from network attached devices using mkosi-initrd (or why systemd distributions should really start considering mkosi...	Introduction to Serverless Workflow DSL	f8 - an 8 bit architecture designed for C and memory efficiency	Welcome to the SBOM devroom	DIYing the "smartness" into an EV charger for profit and open source		
09:15			Porting LuaRocks to Teal: Exploring the Benefits of Statically Typed Code in Lua	Free Function API for CadQuery	SBOMs and cryptographic algorithms: status and next steps			
09:30			rash: asynchronous shell	Bringing a new API to KiCad	Open Discussion			
09:45					Tux-EVSE, an open-source EV charger			
10:00	MySQL Vector and AI	Flatcar and Gentoo sitting in a tree - A collaboration of distributions				CitrineOS - one year of progress of a Cha...		
10:15								
10:30		Rust, RPMs, and the Fine Art of Dependency Bundling	Moving closer to minimum with Clojure		A retrospective on Google's SBOM implementation	Unleashing Bidirectional Charging: Protocols, Challenges, and...	Kites for Future - Airborne Wind Energy for everyone	Applying the "Do No Harm" Principle to Open Source Practices and Technology BOF
10:45			RDE: Tools for managing reproducible development environments	VACASK and Verilog-A Distiller - building a device library for an analog circuit ...				
11:00	Boosting MySQL with Vector Search: Introducing the MyVector Plugin	Fedora Silverblue With Disk Encryption: How I Almost Lost Everything But Gained Much Wisdom (Side Story: Bmaptool And Ddr...	Minimalist web application deployment with Scheme	PostCAD: OpenCASCADE in the Database	SBOM journey for an Open Source Project - Apache NuttX RTOS	Lightning Talk: Podcast Feeds	Finding Anomalies in the Debian Packaging System to Detect Su...	
11:15		Packit: Bridging the Gap Between Fedora and openSUSE	Constraint Logic Programming From The Perspective of Annotations	Horizon EDA - past, present and future	Lessons learned from integrating SBOM in a supply chain	Flow Battery Research Collective: Building an Open-Source Battery for Stationary ...	Bamboozling badly behaving bots	
11:30		CentOS Stream and the Power of SIGs: KDE, Hyperscale, and Beyond	Small headed programming for performance with prescheme, nim and zig	KiCad Project Status	A Novel Ontology for Enhanced SBOM Data Modeling with TOSCA	Kubernetes Emissions Insights: Turning Cloud-Native Green (Wi...	Linux x VR! Beginner's Guide on How to Join Events in Virtual...	Open Chopsticks: Exploring Taiwanese Culture and Open Source Communities
11:45			Nim & C: Reaching the stars by standing on the shoulders of giants		Discover Dependency License Information Using SBOMs and ClearlyDefined	Measure what you manage: Transparent Ener...		
12:00	30 Years of MySQL: Reflections on the Past, Present, and Future ↴	From Manul to Kitten: 4 years of AlmaLinux development evolution ↴	Concurrent Logic Programming - an explor...	Lessons From 10 Years of Certifying Open ...	Persistent Copyright & Licensing Information in Client-side JS, CSS &sim. (propos...	Software Licensing For A Circular Economy...	Godot VR as a front end for ParaView (lightning talk)	
12:15						PowerLetrics: Democratizing Energy Metric...	Disrupting the destruction of our natural...	

FOSDEM 2025 - Sunday 2025-02-02 (3/15)

	H.3244	AW1.120	AW1.121	AW1.126	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147					
09:00		Welcome to the EU Pol...	FSFE Upcycling Android Workshop BOF	Welcome from the OpenWallet Foundation	Fast UDP makes QUIC quicker - optimizing Firefox's HTTP3 IO stack	Welcome to Identity a... Heimdall: An Identity-Aware Proxy for Secure Access Control	PostgreSQL Performance - 20 years of improvements	Welcome to the Ada DevRoom					
		Room Changeover and L...											Updates on the Ada Ecosystem
		An Introduction to the Open Source AI def...											
09:15		Why Europe needs the OSAID: Openwashing a...											
		Unlocking Transparency in Platforms' Cont...		Utilising EUDI Wallet ecosystems in your legacy systems	Building Peer-to-Peer QUIC	Partly Cloudy IPA - joining cloud VMs to FreeIPA		Get started with Ada in 2 minutes or less!					
09:30		Presentation by the European Commission o...											
		Community-driven compliance: The CRA and ...											
09:45													
								Advent of Compression: writing a working BZip2 encoder in Ada from scratch in a f...					
10:00	Bevy: Rustlang Game Engine	Panel Discussion: Open Source and Policy Implementation: Lessons from the AI act,...	FOSS apps on Android BoF	We need Disposable Digital Identities for a more secure and resilient digital society	ProxyGuard - WireGuard behind a reverse proxy	Deep Dive into OIDC flows	Logical Replication Live Session - Keep on Streaming	Ada and Mini-Ada: a solution to the two-language problem					
10:15		Workshops: DSA / AI / CRA								Unleashing SuperNIC's Superpowers			
10:30									Understanding liquid types, contracts and formal verification with Ada/SPARK				
10:45			Feedback from the Workshops on DSA / AI /...			Passive Network Traffic Fingerprinting							
11:00	Software patents in Europe v3.0: 20 years anniversary and further actions	Room changeover & Intro to the Public sec...	Private podcast listening statistics for end-user recommendations, advertisers & podcasters	DarkFi: Zero-Knowledge Cryptography for Anonymous Uncensored Organizations		ACME Certificates with FreeIPA: Simplify SSL/TLS Management	Tuning Postgres for Analytics	The state of Rust trying to catch up with Ada					
		Presentation from Anja Wyrobek (Legal Pol...							Every ISP Needs To Use A QoE Middle-Box On Their Network				
11:15		Making Workspaces Work Together (And Across Borders)											
													Cryptography in SPARK: building the foundation with constant-time bigints

	H.3244	AW1.120	AW1.121	AW1.126	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147
11:30	Sailfish OS Community BoF ↴	openDesk and beyond: building the EuroStack		Trustchain - Trustworthy Decentralised Public Key Infrastructure	grout # a graph router based on DPDK	systemd's User Database API		Multiword Arithmetic and Parallel Computing
11:45								
		Digital Identities in disarray	Social Web BOF ↴	Sample implementation of OpenId 4 Verifiable Presentation over Bluetooth Low Ener...	Unleashing 100 Mpps with FD.io VPP on GCP	Federated Identities Anyone? We've got lots of them ... ↴	From Queries to Pints: Building a Beer Recommendation System with pgvector ↴	Developing device drivers for Ironclad using Ada ↴
12:00								
		Accelerating Digital Transformation in Eu...						
12:15					Levitation made handy...			

FOSDEM 2025 - Sunday 2025-02-02 (4/15)

	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)	UD2.218A	UD2.208 (Decroly)	
09:00	The Local AI Rebellio...	Introducing FUKI, guest firmware in a UKI for confidential cloud deployments	systemd & TPM in 2025	Optimizing Resource Utilization for Interactive GPU Workloads with Transparent Container Checkpointing	Push-Based Hypermedia with Datastar	Monitoring and Observ...	Advanced parsing of structured data using Python's new match statement	Linux Kernel Mainline Real-Time History, Support and Experience Based on Robotic and Automotive Projects	
	Hugging Face ecosystem for Local AI/ ML								
						Discovering the Magic Behind OpenTelemetry Instrumentation			
09:15									
		Confidential VMs on public clouds and on-premise: a long way towards zero trust	ParticleOS: Can we make Lennart Poettering run an image based distribution?!	Efficient Histogramming for High-Performance Computing in C++ with YODA	How to lose weight? - Optimising memory usage in JavaScript and beyond		Python Monorepos: The Polyliath Developer Experience	Macros Gone Wild: The Usage of the C Preprocessor in the Linux Kernel	
09:30									
	Accelerating AI with open source hardware and software								
09:45									
						Apache Flink and Prometheus: better together to improve the efficiency of your observability platform at scale	make python devex: Towards Red-Green-Refactor in 1 Command with an Old Tool	ngnfs: a distributed file system using block granular consistency	
10:00	ZML: A High-Performance AI Inference Stack Built for Production and Multi-Accelerator Deployment	Hunting Virtio Specification Violations	FDE is almost there, how do we tackle the last hurdles?	Explainable forecasting from big weather data: rapid and sustainable solutions	JSR: from private ownership to open governance				
10:15									
		Migrating from VMware to Kubernetes	"Signed, Sealed, and Delivered", with UKIs and composefs	Exa-Tracer: Tracing HPC Supercomputers with LTTng	Nobody asks "How is JavaScript?"	Prometheus Version 3	FawltyDeps: Finding undeclared and unused dependencies in your notebooks and projects	State persistence over kexec	
10:30	History and advances of quantization in llama.cpp								
10:45									
				The High Performance Software Foundation ...	Privacy-first architecture: alternatives to GDPR popup and local-first		What can PyArrow do for you - Array interchange, storage, compute and transport	Shrinking Memmap	
11:00	quantizing your GGUF models using iterative refinement of the importance matrix	Can QEMU and vhost-user devices be used on macOS and *BSD?	Lessons learned from deploying boot security features on embedded systems	Environment Modules: why this old idea is still useful today and what's next					
11:15									
	Apache Arrow: The Great Library Unifier	The IaC Tooling Multiverse and the Future of IaC	Generating immutable, A/B updatable, securely booting Debian images	Programming models with the ROCm™ compiler	Demystifying Temporal: A Deep Dive into JavaScript New Temporal API		Python MonkeyPatch: Debugging Python Applications + Production Hotfix	Waste-Free Per-CPU Userspace Memory Allocation	
11:30									
11:45									
	Building Your (Local)...					Zero-Code Distributed Traces for any programming language			
	How Llamagator helps ...								
12:00	Data Prep Kit: Open S...	Enhancing KubeVirt workload scheduling patterns (controversial) ↴	Bootable Containers and Image Mode: Transforming Linux OS Management with Bootc ↴	Adding built-in support for basic performance test analytics to ReFrame ↴	25 years of JavaScript ↴		Understanding programming peculiarities ↴	Don't let your motivation go, save time with kworkflow ↴	
	The Model Openness Fr...								
	Building AI Applicati...								
12:15									

FOSDEM 2025 - Sunday 2025-02-02 (5/15)

	UD6.203	UD6.205	UD6.215
09:00	Creative with Coding	Make live music with MicroBlocks	Towards a Block-Oriented Visual Programming Paradigm
09:15			
09:30			
			Approaches to Open Source Embroidery
09:45			
10:00			
			Youth Hacking 4 Freedom 2025
10:15			
10:30			
10:45	Create a Critter using TurtleStitch	Making Magic Mirrors	FOLL-E: open source educational tool to stimulate logical reasoning
11:00			
11:15			
			Public values and FOSS for education
11:30			
11:45			
			ZIMjs.com make javascript app
12:00			
12:15			

FOSDEM 2025 - Sunday 2025-02-02 (6/15)

	Janson	K.1.105 (La Fontaine)...	K.3.201	K.3.401	K.3.601	K.4.201	K.4.401	K.4.601
	↳ The Road to Mainstream Matrix	↳ Beyond the README: Crafting a Better Developer Experience for Open Source Projects	↳ Multilingual Speech...	How MistServer handles SRT connections in independent child processes		↳ From DB Schema to A...	↳ Remote Attestation in the cloud	↳ Seeing Eye To Eye: ...
12:30			ATAG accessibility audits: worth your while		(CANCELLED) Funding the FOSS Ecosystem - (AMA with Devroom Organisers Instead)	Documenting your event-driven architectures with OpenAPI and AsyncAPI		
12:45							Remote Attestation on Arm TrustZone OP-TEE with VERAISON Verifier --- current sta...	
13:00	Was Leslie Lamport Right?	Lightning Lightning Talks	Design in 5 mins (okay, 20 mins): ecosystem mapping and user research? what is it and how to do it!	Multiview decoding in libavcodec and ffmpeg CLI		Matrix State of the Union		
13:15					Funding FOSS together: Combining public and private efforts		Welcome to the Quantum Computing devroom	Opening Railways and ...
13:30			Thunderbird: Building a Cross-Platform, Scalable Open-Source Design System	Enhancing Web Media Support: A WebAssembly-Driven Open-Source Framework		Getting the Rust SDK running on webassembly	Qlafoutea: Baby steps towards compiling a programming language to analog quantum ...	European standards to serve both public transport and rail, demystification of NeTeX, SIRI and TOMP API 2.0
13:45					When is it Right to Say No to Funding?		No-one used my software: a tale of quantum software engineering	
14:00	Lessons learned Open Sourcing the UK's Covid Tracing App	Anecdotes from 25 years of FOSDEM	CLI Design for Designers and Developers			Demystifying Federation in Matrix		Netzgrafik-Editor - a human-centric timetable planning approach
14:15				More innovations in H.264/AVC software decoding			Bridging the Gap: Quantum Computing for Classical Software Engineers	Enhancing OSRD with NGE's Macroscopic Visualization
14:30		Group photo: 25 years of FOSDEM shirts	From Accessibility to Inclusion - Interdisciplinary Design		How do we get the European Union to invest in FOSS maintenance and security?	State of Synapse: where we're at, Matrix 2.0, and the future	Quantum type system in H-hat quantum programming language	The Flatland Framework: Enabling Machine Learning Research for Railway Rescheduli...
14:45								
15:00	The Growing Body of Proprietary Infrastructure for FOSS Development: Repeating Bad History ↴	Nostr, notes and other stuff transmitted by relays ↴	Piracy, and Open Source: Reimagining Creativity	GStreamer: State of the Union 2025		Building the World's First Server-to-Server Matrix Federation Bridge/Peer	Quantum Distance Bounding: Advancing Secure Proximity	Post processing GNSS train positions
15:15					Small seeds - why funding new ideas matters			
15:30			Towards Free-Fair-Patterns: Free to Use, ...			How Ubuntu Entered the Matrix ↴	Introducing Qumat! (An Apache Mahout Join...	NeTeX and SIRI: Show me the code ↴

FOSDEM 2025 - Sunday 2025-02-02 (7/15)

	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2213	H.2214	H.2215 (Ferrer)	H.3242
	↳ 30 Years of MySQL: ...	↳ From Manul to Kitten: 4 years of AlmaLi...	↳ Concurrent Logic Programming - an explo...	↳ Lessons From 10 Years of Certifying Ope...	The Breadth and Depth of SBOMs		↳ Disrupting the dest...	↳ FOS 4 Bioinformatics & Computational Biology
12:30	Profiling MySQL from MySQL	a tale of several distros joining forces for a common goal: reproducible builds	Effects Everywhere: Error Handling and Design-By-Contract in Fuzion	Naja Python: ECO, Netlist Optimization, and Netlist Data Collection Made Easy wit...	Struggles with making SBOMs for C apps	Overcoming the chicken-and-egg problem: From the battlelines of the S2 energy fle...	Plugin architecture for FOSS virtual classrooms: Unleashing i...	
12:45			The Whippet Embeddable Garbage Collection Library	ngspice - XSPICE elemental devices made available in KiCad		Engaging households to avoid congestion works: mixing gamific...	How to Write a Killer README	
13:00		The Road to EPEL 10			TEA - Let the SBOM ride down the software supply chain!			Automotive BOF
13:15	What is new in MyRocks - RocksDB storage engine for MySQL		The Shepherd: Minimalism in PID 1	Product development in mechanical engineering with open-source software		SunPeek - Open-Source Software for Performance Assessment and ...	hkml: A tool for working on mailing lists-driven projects wit...	
13:30		Being different takes Aeons - a tale of the endless RC?			BASIL an open source tool that supports requirements traceability with design SBOM	Energy Access Explorer : The Digital Public Good to deliver ...	A glimpse into a smoother version control experience	
13:45	Routing Guidelines: Unlocking Smarter Query Routing in MySQL Architectures		Shepherd with Spritely Goblins for Secure System Layer Collaboration	Sonata - Open source hardware and bitstream for evaluating CHERIoT		What would a green energy system look like? Assessing the cos...	subpatch: fearless multi-repository management - stay relaxed	
14:00		How to push your testing upstream	Goblins: The framework for your next project!	Refactoring Sketcher in FreeCAD	Where in the OSS Supply Chain do SBOM attributes come from?	Costumer & Energy Management for Distributed Renewable Energies in the global south	Solid, Local-First, and The Ultimate Bookkeeping System	Coordinating a Windows 10-to-Linux upcycling campaign across Free Software communities worldwide
14:15	MySQL Network Protocol: A walkthrough				Implementing a triage process supporting all flavours of VEX	Bringing Machine Learning Renewable Energy Forecasting Models...	Open source should have an answer to Teams	
14:30		Fixing CVEs on Debian: _almost_ everything you should know about it	Spritely and a secure, collaborative, distributed future	Verilog-AMS in Gnuap				
14:45				The IHP OpenPDK Initiative: Status and RoadMap		Electricity market simulations with the o...	Cooklang: Hacking the Recipe Format	
	schemadiff: in memory schema analysis, validation, normalization, diffing, and manipulation							

	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2213	H.2214	H.2215 (Ferrer)	H.3242
15:00		Enabling Architectural Features in Debian: PAC and BTI on arm64			Airflow Beach Cleaning - Securing Supply Chain			Making the Financial World Open Source With FINOS ↴
15:15						Assessing and Mitigating the Risk of Carrington-Type Events w...	NobodyWho: local LLMs for interactive fiction in Godot	
			What should Teal be? - musings on FOSS project directions ↴	The OpenFlexure Microscope ↴				
15:30	The past, present and future of EXPLAIN ↴	Rhino Linux and Pacstall: Towards a Rolli...			Connecting SBOMs with OSS Project Health ...	Control room management with OperatorFabr...	Valence: Bringing the structural ambigu...	

FOSDEM 2025 - Sunday 2025-02-02 (8/15)

	H.3244	AW1.120	AW1.121	AW1.126	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147
	↳ Sailfish OS Community BoF	↳ Accelerating Digital Commons as Pillars of Digital Sovereignty	↳ Social Web BOF	↳ Sample implementation of OpenId 4 Verifiable Credentials	↳ Levitation made handy: roll your own Matrix	↳ Federated Identities Anyone? We've got lots of them ...	↳ From Queries to Pints: Building a Beer Recommendation System with pgvector	↳ Developing device drivers
12:30				Challenges for Wallets and Digital Trust Services following EUDI Wallet Architecture Reference Framework	VPP: Monitoring 100Gbps+ with sFlow	SSSD and IdPs		AdaBots - programmable minetest bots
12:45		Public Sector Open Source fishbowl			VPP TLS Plugin: Enhancing Performance with Asynchronous Operations			
		Wrap up by Public Sector Open Source bloc...	NLnet office hour				Anatomy of Table-Level Locks in PostgreSQL	
	RIOT-OS: Embedded/IOT OS meetup	Room Changeover and Introduction		Government Collaboration	Scitags: network traffic tagging for scientific computing	Fine-grained access control in LXD with OpenFGA		Welcome to the Robotics Community
13:15		Open Source as a Cultural Movement: Europe's Call to Action for Digital Sovereignty		How is Development and Collaboration Done...				PyCRAM - A Framework for Robotics Simulation
		Building Europe's Platform Mesh: Cloud-Native APIs for Multi-Tenant Applications		OSOR Handbook on Open Source Software in the Public Sector	Securing the Internal Control Plane with Standards & OSS	localkdc - A general local authentication hub		All my frustrations with Robotics Simulation
13:30		Building Public-Private Open Source Ecosystems		Nubo: the French government sovereign cloud	Suricata: Insights, Innovations, and Future Directions	OpenBao at GitLab - Building Native Secrets for GitLab CI/CD Pipelines		Building a robot power system
13:45		European Competitiveness in Microelectronics and AI	Open Source 2.0: Imagining the Future in a Data-Driven AI Era	openDesk on openCode: Developing a Secure Office Suite and SDLC	Wireshark Archaeology: How it started and where we're headed	FreeIPA-to-FreeIPA Migration: Current Capabilities and Use Cases	Stats roll, baby, stats roll.	Accelerating robotics development through simulation
14:00	Making you embedded product CRA compliant	OSS 4 ALL: What can policymakers do to increase the uptake of Open Source?		Round Table Government Collaboration - 4 Topics and 7 Expert Speakers	Cloud-Native Networking, Home Edition: Build and connect your...			O3DE: Creating realistic simulations with open-source game engine
14:15		Panel Discussion: A European Strategy for Digital Sovereignty						Repurposing Valve's SteamVR 2.0 Technology to Develop an Open-Source, Low-Cost Motion Capture System ...
14:30								
14:45		Wrap up by Open Source strategy for competitiveness						

	H.3244	AW1.120	AW1.121	AW1.126	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147		
15:00	OpenEmbedded/Yocto Project BoF ↴		Building Bridges: Exploring the Future of Developer Relations BOF ↴		Kubenet: Harnessing Kubernetes for Network Automation		PostgreSQL Anonymizer and the battle for privacy ↴			
		Room Changeover and Intro to the Open Sou...				Enhancing PAM Communication: A JSON-Based Approach for Modern Authentication				
15:15		Opening Speech by Markéta Gregorová, Memb...						Eclipse Zenoh: Understanding the Protocol and its Potential in Robotic		
		Lobbying the EU		Note-Worthy Collaboration: Co-developing a Note-Taking Application ↴		Comprehensive Federated Authentication fo...				
15:30					Evolving Multi-Network in Kubernetes: From Pod Spec to Dynami...					

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	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)	UD2.218A	UD2.208 (Decroly)
	GPUStack: Building a Simple and Scalable Management	↳ Enhancing KubeVirt workload scheduling ...	↳ Bootable Containers and Image Mode: Tra...	↳ Adding built-in sup...	↳ 25 years of JavaScript		↳ Understanding programming peculiarities	↳ Don't let your motivation go, save time...
12:30	Experience for Diverse AI Mod...	A Highly Distributed Cloud Architecture for Telco NFV Deployments	Case Study: Measured Boot and Remote Attestation in Confidential Containers	Making Data Fun Again: Extending EESSI to improve Research Data Management		O11y-in-One: Exploring a Unified Telemetry Database	Anatomy of a Python OpenTelemetry instrumentation	Level up your linux gaming: how sched_ext can save your fps
12:45	Self-hosted LLMs at a scale with Paddler							
13:00	RamaLama: Making working with AI Models Boring	Simplifying KubeVirt: New tools for easier VM management	EuroHPC FP: a Federated Platform for HPC Infrastructure in Europe, Built with Open Source Software			Reducing observability cognitive load in KubeVirt	Nim for Pythonistas (and Open Source Lovers)	TuxTape: A Kernel Livepatching Solution
13:15								
13:30	Building AI Applications from your desktop with Podman AI Lab	Free my Kubernetes network! Breaking away from the Kubernetes networking model	Running Kubernetes Workloads on HPC with HPK	Mozilla Mythbusters: Separating Fact from Fiction			Skip the Overhead: Lean Web Development with Django	Recent TPM Security Enhancements to the Linux Kernel
13:45	From Supercomputer to Raspberry Pi: Building Open Source Poli...							
14:00	Tricks Learned from Training Large Open-Source Models	Portability and Interoperability across a Pan-European Virtualized Cloud-Edge Continuum	A PID control system based on the MOS 6502 - CANCELLED, replaced by Retrocomputin...	OpenCL, CUDA, and HIP as compilation targ...	Blueprints by Mozilla.ai - Empowering Devs to Build with Open...	What Can We Learn from Formula 1 Incident Management	Shifting DX expectations: keeping Django relevant ☐	Virtualization-assisted Security: A Resilient Security Foundation for the Linux Kernel
14:15	Synthetic Data: The Secret Ingredient in Better Language Mode...							
14:30	LLM Tool use in vLLM	Unlocking the Hybrid Cloud: An Open Source Approach	Supersonic retro development with Docker	Easier API Interoperability: writing a bi...	ForkServer coming to Firefox on Linux			
14:45	Scoping out the Tenstorrent Wormhole		(General) Electric Dreams: restoring the GE-120, a milestone in transistor-based ...	A Pantheon of The Gods: Open Source Multi...	Community Insights: Best Practices for Open Datasets for LLM training	Mastering Observability with SigNoz -> Open-Source Alternative for Metrics, Logs, and Traces	PyScript - Python in the Browser	Rust for Linux: an overview
15:00	Building a new GGML backend: How, Challenges and Opportunities with Novel Acceler...	Running QEMU Inside Browser	Pac-Man for the DEC VT420	Multithreading in Python using OpenMP?	The Firefox AI Platform		☐☐ Lightning Talks ☐☐	
					The most fun you'll ever have dealing with Firefox crashes			

	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)	UD2.218A	UD2.208 (Decroly)				
						The Art of Fleet-Wide Kubernetes Observability: 3 Core Strategies		DAMON: Kernel Subsystem for Data Access Monitoring and Access-aware System Operations				
15:15												
							Porting GGML to the NUX Kernel Development Framework.			Raiders of the lost hard drive		
15:30									Building AI Factories with Open Source To...	Rediscovering the fun...	What's the (floating) Point of all these ...	An open source project never sleeps: Two decades of MDN

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	UD6.203	UD6.205	UD6.215
12:30	Music by Coding	Physical Computing with MIT App Inventor	Free software teaching materials
12:45			
13:00			
			Free your games: Luanti!
13:15			
13:30			
			The Hedy Programming Language
13:45			
14:00			
14:15	Make Your Own Embroidered Bookmark ↴	Learn to program tabletop football playing robots ↴	MicroBlocks 2.0: a complete makeover
14:30			
14:45			Open Source in Education of Neurodiverse Students
15:00			
15:15			
			Programming 3D Geometry in Snap!
15:30			

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	Janson	K.1.105 (La Fontaine)...	K.3.201	K.3.401	K.3.601	K.4.201	K.4.401	K.4.601
	↳ The Growing Body of Proprietary Infrast...	↳ Nostr, notes and other stuff transmitt...	↳ Towards Free-Fair-Patterns: Free to Use, Free from Deceptiv...	Scaling to 12k Live Streams		↳ How Ubuntu Entered the Matrix	↳ Introducing Qumat! (An Apache Mahout Jo...	↳ NeTeX and SIRI: Show me the code
15:45								
16:00	How we are defending Software Freedom against Apple at the EU's highest court	Converting an '07 car to an RC EV using open source software	The Engineer's Guide to Design: Merging Technical and Creative Skills in Open Source Projects	FOSDEM videobox 2025	The VC Dilemma: Pros and Cons of Venture Capital for Open Source Software	Robrix: a pure Rust multi-platform Matrix Client and more	Opensource Tools for Platform Agnostic Quantum Computing	Explorative Routing
16:15								
16:30			XWiki: Improving web accessibility with respect to backward compatibility	Open source funding: you're doing it wrong	MatrixRTC: Building Real-Time Applications on Matrix	On-Chip Verified Quantum Computation with an Ion-Trap Quantum Processing Unit	GNOME Maps meets Transitous meets MOTIS	
16:45							Unitary Compiler Collection	HackerTrain to FOSDEM 2025 (a.k.a. the be...
17:00	Ten Years as a Free, Open, and Automated Certificate Authority							
17:15								
17:30								
17:45								
		Closing FOSDEM 2025						
18:00								
18:15								

FOSDEM 2025 - Sunday 2025-02-02 (12/15)

	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2213	H.2214	H.2215 (Ferrer)	H.3242
15:45	↳ The past, present and future of EXPLAIN	↳ Rhino Linux and Pacstall: Towards a Rolling Ubuntu	↳ What should Teal be? - musings on FOSS ...	↳ The OpenFlexure Microscope	↳ Connecting SBOMs with OSS Project Health to Better Understand Dependencies	↳ Control room management with OperatorFa...	↳ Valence: Bringing t...	↳ Making the Financial World Open Source With FINOS
			Don't stand there and gawk, extend it!	Opensource Rocketry and Tools, FreeCAD and beyond.			Taiwan's Shared OSS Community and Event Infrastructure: OPass...	
16:00	Open-source support for JS stored programs in Percona Server	The Ubuntu patch pilot program			Towards Quality SBOMs: the OpenChain Telco SBOM Guide	Empowering the Energy Transition through Fast and Flexible Network Simulation		Friendly Functional Languages Show and Tell
16:15			Resurrecting the minimalistic Dillo web browser	WireViz - Beautiful wiring documentation		OwnTech Update: A demo-talk of our V1 sof...	The Patient Brush: How to clean up a 16 year old Linux Kernel...	
16:30		Building the Future: Understanding and Contributing to Immutable Linux Distributions	[REPLACEMENT] ravanan: a Common Workflow Language implementation powered by Guix				FOSDEM infrastructure review	
	MySQL InnoDB Data Recovery - the last resort			Programmatic CAD with Parametrix		CityCatalyst: Open Source Helps Cities St...		
16:45						Empowering Sustainable Futures: Exploring...		
17:00		CANCELLED: openSUSE: Engineering Stable Rolling Releases with OBS and openQA						
17:15								
17:30								
17:45								
18:00								
18:15								

FOSDEM 2025 - Sunday 2025-02-02 (13/15)

	H.3244	AW1.120	AW1.121	AW1.126	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147
	↳ OpenEmbedded/Yocto Project BoF	Towards Open Source-Compatible Standards	↳ Building Bridges: Exploring the Future of Developer Relations BOF	↳ Note-Worthy Collabo...	↳ Evolving Multi-Netw...	↳ Comprehensive Federated Authentication for AI/HPC Infrastructure	↳ PostgreSQL Anonymizer and the battle fo...	BTstudio, a web tool for programming robots with Behavior Trees
15:45								
		Panel: European Standardisation and the Open Source community		GovStack Cloud BB: Sovereign Clouds for a...	Running an EVPN Endpoint in a Kubernetes Cluster—On My Laptop!			
16:00	Labgrid and Board Farming BOF		Arch Linux meetup BOF			Delegating the chores of authenticating users to Keycloak	Row-Level Security sucks. Can we make it usable?	
		Open Source in the policymaking process: Fishbowl discussion		Building open digital infrastructures for public health	LFEnergy SEAPATH - svtrace Tools for Latency Analysis in Virtualized Networking P...			ArduPilot : Trusted, Versatile and FOSS autopilot for all and everything
16:15								
16:30	Keeping the web and the Internet open for open AI developers					Building Cross-Domain Trust Between FreeIPA Deployments		
				FLOSS as a public policy: The case of Dec...	Performing link aggregation balance-slb in kernelspace with NetworkManager			Whales use Lighthouse...
16:45				Government Collaborat...				Build, Launch, and So...
		Wrap up by Open Source in the policymakin...						Integration and unit ...
								ROS in transition: a ...
17:00								
17:15								
17:30								
17:45								
18:00								
18:15								

FOSDEM 2025 - Sunday 2025-02-02 (14/15)

	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)	UD2.218A	UD2.208 (Decroly)
	Expanding GGML Hardware Support using the Vulkan API	↳ Building AI Factories with Open Source Tools	↳ Rediscovering the fun of programming with the Game Boy	↳ What’s the (floating) Point of all these data types? A (not...	Lumigator: evaluating LLMs made simple		↳ Effortless Distributed Computing in Python	Redox OS -- a Microkernel-based Unix-like...
15:45								
			The Small Device C Compiler targeting Z80, MOS 6502 and their derivatives	Mapping Applications to the Hardware Portably and Transparently	QUIC vs. Middleboxes	How to monitor the monitoring	Create A Custom Linux Init in Python	Static analysis of return code propagation
16:00	The bare metal perspective on AMD's GPU ASICs	Enabling AMD SEV technology in Xen Hypervisor.						
16:15			Silicium occitel mini		State of Firefox Add-ons			
	wllama: bringing llama.cpp to the web	On-Prem Kubernetes at Scale With metal-stack.io					Rewriting pyc files for fun and reproducibility	Status and Desiderata for Syscall Tracing and Virtualization Support
16:30				Writing a dynarec, step by step	Job-specific performance monitoring on HPC clusters: Challenges and Solutions	Mozilla Language Portal		Effortless, standardised homelab observability with eBPF
	Milliwatt sized Machine Learning on microcontrollers with emlearn							Coccinelle Explorer: Learning Semantic Patching Interactively
16:45								
17:00								
17:15								
17:30								
17:45								
18:00								
18:15								

FOSDEM 2025 - Sunday 2025-02-02 (15/15)

	UD6.203	UD6.205	UD6.215
	↳ Make Your Own Embro...	↳ Learn to program ta...	
15:45			
			How could open source in vocational education work?
16:00	Learn Python programming using Hedy	Creative Data Visualization in Snap!	
16:15			
16:30			Building Apps and Extensions with MIT App Inventor
16:45			
17:00			
17:15			
17:30			
17:45			
18:00			
18:15			