

	Janson	K.1.105 (La Fontaine)...	K.3.201	K.3.401	K.3.601	K.4.201	K.4.401	K.4.601	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)
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 Spritely	Confidential Computing devroom welcome	Welcome to the Modern...	Welcome to the Legal ...	SatNOGS-COMMS: An Open-Source Communication Subsystem for CubeSats	What's new in Nextcloud?	Welcome to the FOSDEM...
			A New Approach to Callee-Saved Registers in LLVM				Confidential Computing's Recent Past, Emerging Present, and Long-Lasting Future	aerc, an email client for the discerning hacker	Europe's Way to Mandatory B2B-E-Invoices			RISC-V Hardware - Where are we?
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		Intelligent Tiering for RGW		CLI Magic Tricks for Docs Projects		Parula - Presenting the new email client	Is There Really an SBOM Mandate?	The road to open source General Purpose Humanoids with dora-rs	Open Cloud Mesh	
			Moving work into the middle end		How reproducible is NixOS?		Confidential Virtual Machines Demystified: A Technical Deep Dive into Linux Guest...					
11:15												
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	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	Why don't we have `libsync` yet?	
					Six months with Nix & devenv and counting							
11:45												
			O_o [ Flang + WASM ] ...	[RESCHEDULED] Making NooBaa Resilient by Eliminating Single Points of Failure								
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	Confidential Computing on Arm with Open Source Software	Stalwart Mail Server	LGPL enforced in Germany: how we helped a purchaser use the courts to compel compliance	Vulnerability Management at a Scale for the Yocto Project	CryptPad: Recent Advances in Privacy and Collaboration	ABI Extractor - Understanding ABI compatibility between compilers targeting RISC-V
12:15												
							Updates on Coconut SVSM: Secure Services and Stateful Devices for Confidential Vi...					
12:30			An introduction to Torch-MLIR		Remote Execution with Buck2 and Nix							
				Understanding Ceph: A Journey from Metrics to Tracing		Docs Straight from the Code: AST-Powered Automation	Trust No One: Secure Storage with Confidential Containers	Mox and simplifying mail server setup & management	Managing copyrights in free software projects - discussion panel	Bootimg blobs between U-Boot and Linux	Add RISC-V support to your favorite Operating System	
12:45												
			MLIR-based Data Tiling and Packing for Ryzen AI NPU		system-manager: unleashing nix on (almost) any distro							
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	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...	
13:15							RA-WEBS: Remote Attestation for WEB services					
13:30			An introduction to building and using LLVM libc	SMB3.11 Unix Extensions current status	Go in the Nix ecosystem: vulnerability scanning and experiments towards a next-ge...	API documentation testing with AI user simulation		Enhancing Email Spam Detection with LLMs: Practical Experience with Rspamd and GPT	Panel: When is an AI system free/open? ↴	Adopting BlueZ in production: challenges and caveats	Panel : Integration between collaborative applications ↴	RISC-V Unified Database: Streamlining the Ecosystem with a Centralized Source of Truth
13:45												
			Programming is fun; Testing is needed; Infra is ...		My Nix-Powered Homelab							
14:00	Rewriting the future of the Linux essential packages in Rust ...	Stratoshark: Applying the power of Wireshark to System Calls ...				9,800 Sandboxes and Counting: Transforming Documentation with...	Running Mushroom on Intel TDX ↴	Advanced mail security - our experience with automated reputa...		All Open Source Toolchain for ZYNQ 7000 SoCs ↴		Towards seamless Python package installation on riscv64 ↴
				Security in Ceph and Rook, recent improve...	NixOps4: new, sustainable platform for de...							
			Profile-Guided Optimi...									

	H.2213	H.2214	H.2215 (Ferrer)	H.3242	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				Future of the Arrow ecosystem BOF	Special-Purpose Operating Systems Meetup BOF		Weblate BoF					
10:15												
10:30	Announcement of Libre...	Finding an AOSP developer community	Automated testing for mobile images using GNOME			MapTCHA, the open source CAPTCHA that improves OpenStreetMap		Creating an Open Knowledge Graph for Climate		The State of OpenJDK		Welcome to the Radio Devroom
	ODF and its Toolkit											
10:45		AOSP bring-up using Software Rendering										Using AI hardware accelerators for real-time DSP on embedded devices - NPU, TPU etc,
	LibreOffice Accessibility on Linux, Windo...		ZSWatch - The Open Source Smartwatch									
11:00	Languages and LibreOffice	Panel session: what can we do to improve the AOSP community?		Offering paid services (contract work, SaaS) - from first steps BOF	Organizing sponsor free conferences BOF	Discovering indoor environments and positioning systems	WebExtensions BoF	Tipping point Analysis (META) - a climate-economy integrated assessment model in J...		ZGC: Paving the GC On-Ramp		
	Introducing Glow Effect for texts in shap...		Homebrew on ARM64 Linux									
11:15	Improved comments & @mentions											
11:30	Testing the QA instructions	Keeping up with the AOSP	Flutter for all the desktops and beyond			15-minute city in 15 minutes		JOSSCast: Experimenting with Storytelling in Open Research		Generational Shenandoah Update: Relevance and Best Practice Recommendations		M17 and OpenRTX: one year later
	LibreOffice Technology atomic / threading...											
11:45	LibreOffice's Python API: Working around ...		Poppler - the PDF rendering library			Panoramax: the full FLOSS alternative to share ground level imagery						
12:00	Exploring the deprecated parts of LibreOF...	Accelerating Android Releases: An Unofficial Guide to Trunk Stable		Digital Accessibility : Enhancing user experiences for persons with disabilities	Lets discuss performance and scale related challenges BOF	Unlocking Open-Source Capabilities in the Copernicus Data Space Ecosystem	Foreman Community discussion	Do we need another open source software taxonomy?		Project Lilliput - Looking Back and Ahead		
	LOWA, In Need Of a VCL Plug		Scaniverse Universal Scanner Drivers: One Solution for Every ...									
12:15	Beautiful remote web dialog widgets built...											
12:30	Distributed real-time collaboration for Writer - a first prot...	Forking Android considered harmful	Ladybird - a new independent browser written from scratch		DevOpsDays meetup	Terra Draw: Drawing on all the web maps!		Closed data, open software: building new ways into the French web archives		(Almost) everything I knew about Java performance was wrong		The AFF3CT framework for building numerical communication chains
	Automatic Documents, packed with content ...											
12:45	Optimizing AutoText & settings for multi-...		Typed HTML in my Python?									
13:00	New, shiny WebGL presentations in the bro...	Towards a purely open AOSP: Adding Android-like functionality to AOSP			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		
			NethServer 8: Solid Foundation for Self-Hosting Web Applicati...									
13:15	COOL - LibreOffice Technology in the brow...											
	LibreOffice-based document editing in XWiki through COOL	Second chance: Upgrading devices from Android 9 to Android 14				Connecting the Geospatial Dots with Raku		CartABI: instrumenting the authoring of interactive maps and figures		Quo Vadis, class space? A look at class metadata storage in the Hotspot JVM		HAMNET - Status Update ↴
13:30												
	Nextcloud Office: On collaborating across FOSS projects					OpenLayers, the reference web-mapping library						
13:45			Increasing security of internet downloads with Asfaload					Opening the Unlocked Manuscript Chest: A Compact Edition Template for Visualizing Archival HTR Material		Native memory tracking for all - Extending NMT beyond Hotspot...		
14:00	COOL UI / UX command tracking & analysis	Hijack Launcher3! ↴		NetworkManager and Nmstate community meetup BOF ↴	Multicore & Concurrency: Algorithms, Performance, Correctness...							
	LibreOffice on mobile with the Collabora ...		Treating build defini...			How to Save a Life ↴						

	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)	UD2.218A	UD2.208 (Decroly)	UD6.203	UD6.205	UD6.215					
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 Spegel		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					
			Multi-Profile UKIs and other ways to supercharge your Unified Kernel Images		Compassionate Open Source Community Building (The Tauri Model)											
10:45																
11:00		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...				The Trustable Software Framework: A new way to measure risk in continuous delivery of critical software					
					Bridging the Gap: Regional OSPO Networks as Catalysts for Open Source and Local Community Collaboration			Bringing application containers to Incus								
11:15	Building a watt-meter esp-rs and a rocket backend				Graph Databases after 15 Years - Where Are They Headed?											
		Building firmware with firmware-action														
11:30		Kintsugi: A Decentralized E2EE Key Recovery Protocol				Swiss Maps in Go	Writing a kubernetes controller... But in Rust				KernelCI - upgrading Linux development and integration workflows					
						Build a Great Business on Open Source without Selling Your Soul										
11:45	Huge graph analysis on your own server with WebGraph in Rust															
			Building flashless servers with Open Source Firmware for higher security and bett...	Empowering Data Analytics: High-Performance Graph Queries in DuckDB with DuckPGQ		State of Checkpoint/Restore in Kubernetes										
12:00		Nothing to see here - practical advice to avoid tunnel vision and similar decloaking techniques against VPNs				Privilege Separation In Go						Continuously Update Everything two years later				
							Pick My Project! Lessons Learned from Interviewing and Writing 20+ End User Case Studies									
12:15			GRUB - Project Status Update						Learn Python programming using Hedy	Program a Tiny Computer!						
12:30	Bringing terminal aesthetics to the Web with Rust (and vice versa)	The SELinux problem that cast a months long shadow		[REPLACEMENT] Take the Polar Plunge: A Fearless Introduction to Apache Iceberg™		Go-ing Easy on Memory: Writing GC-Friendly code	Immutable All the Way Down - using System Extensions to ship Kubernetes		Learn Python programming using Hedy	Program a Tiny Computer!	Concurrency Testing using Custom Linux Schedulers					
								The Psychology Behind Communities: Why Do We Really Contribute?								
12:45					Latest implementation of AMD SEV-SNP in OVMF											Automating Low-Level Firmware Validation with Robot Framework
13:00		A Practical Introduction to using sq, Sequoia PGP's CLI				Build better Go release binaries					Unlocking the Power of Property-Based Testing					
			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								
13:15	Abusing reborrowing for fun, profit, and a safepoint garbage collector															Zap the Flakes! Leveraging AI to Combat Flaky Tests with CANN...
13:30											Breaking things for fun and profit					
13:45		Using DPoP to use access tokens securely in your Single Page Applications			Unearthng the impact of survivorship bias on women in FOSS to build more inclusive communities	A database for your program state	Declarative Networking in Declarative World, ver. 2025									
			TrenchBoot - project status update													
	Type tips and tricks ↴			ODBC Takes an Arrow to the Knee ↴												
14:00		Breaking Barriers: The Art of (Free) Gamified Security Traini...	U-Boot ACPI support on ARM64				High performance gRPC ↴	Incus cluster: private cloud with system containers ↴		Modsoup : Recipe and ingredients - Creating a modpack/gamepac...	Snap!GPT: Exploring Generative AI Through Visual Programming ↴	Fuzzing databases is difficult ↴				
					Open Source in Industrial Control Systems...											

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14:15	↳ Rewriting the future of the Linux essential packages in Rust ?	↳ Stratoshark: Applying the power of Wireshark to System Calls and Logs	↳ Profile-Guided Optimization (PGO) in LLVM: current challeng...	↳ Security in Ceph and Rook, recent improvements	↳ NixOps4: new, sustainable platform for ...	↳ 9,800 Sandboxes and Counting: Transforming Documentation wi...	↳ Running Mushroom on...	↳ Advanced mail security - our experience with automated repu...	↳ Panel: When is an A...	↳ All Open Source Toolchain for ZYNQ 7000...	↳ Panel : Integration between collaborati...	↳ Towards seamless Python package installation on riscv64					
							Confidential Computing devroom lightning ...										
14:30													TLSRPT comes to Open Source	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	
14:45																	
				Optimizing Longhorn for high performance hardware							How to quickly build an AI startup on open source RISC-V Cores						
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?	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					
			Pushing the Sega Dreamcast with GCC										Blink them to death using Embedded Swift				
15:15																	
							[RESCHEDULED] From Particle Collisions to Physics Results: EOS Open Storage at CERN						bpfftrace: a path to the ultimate Linux tracing tool	Why Swift is the Next Big Thing for IoT			
15:30																	
15:45							First contributions to GCC: from plugins ...				Enabling AI-Powered Conversations at Scale with Kamailio, Fre...		Bpfftrace OOM Profiler	Building a Ferrofluidic Music Visualizer ...	Panel discussion: 5 years of JMAP - experiences and outlook	Breaking tech monopolies in Europe: A fireside chat with the European Commission	Reverse engineering CAN communication and building ECUs using Elixir and the BEAM
						age-plugin-se: Buildi...											
16:00	14 Years of systemd	Zephyr: Open Source Project Best Practices Over Time	Tutorial: How to add a builtin function to the GCC backend	[RESCHEDULED] CERN CTA Service: writing LHC data to tape with opensource software on commodity hardware	RTCP, Racecars, video and 5g	Auto-instrumentation for GPU performance using eBPF		Authentication and autoconfig for email - Update on standardization efforts	Let's talk about anti-trust!	Samsung Camera to Mastodon Bridge	Collaborative editing in a MediaWiki environment	RISC-V Linux bug hunting					
														Why Swift is the best language for building modern applications on the backend			
16:15																	
						SIP-V+T=♥? Tales of taking VoIP out of SIP and adding TCP in...	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	How email addresses are growing to support unicode		The EU CRA and Copyleft	MicroPython - Python for microcontrollers and Embedded Linux	From Open Collaboration to Customized Control: Transitioning from Wikidata to Wikibase	How good is RISC-V: Comparing benchmark results	
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	Legislative overlay: anticipating and navigating through regulatory vectors	Zephyr RTOS Roasting Party	Cypht integration in Tiki: Email as a fir...						
17:00	Forked Communities: Project Re-licensing and Community Impact	Building Local AI with a full-stack approach	Cobol is the Original Safe Language	CephFS: from synthetic benchmarks to real-world user workloads	A long, short history of realtime AI agents												
17:15																	
					Optimizing switch statements: overview and what's new		Mitigating Bugs in the Linux eBPF Verifier using Rust- or PREVAIL-based Layered V...					Building Truly Native Cross-Platform Desk...	Post-Quantum Cryptography in OpenPGP	CRA Q&A on Open Source Stewards under the Cyber Resilience Act	Developing BLE Host Applications with Zephyr	Secure credential collaboration with Pass...	
17:30						Chatting on IRC in 2025: grandpa, what's up?											
17:45						Incremental LTO in GCC	Case Insensitive Trees in CephFS		Building your eBPF Program with Rust and Aya				End-to-end Enterprise Search with Datafari Community Edition	Open-Source CPU: Deep-dive into RISC-V CFU and Zephyr			
					Call fraud prevention through traffic tre...												
18:00	The Big FOSDEM Quiz of the Year	Databases in the AI Trenches	CRC detection and optimization			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	Organizer's Panel	The USB-MIDI 2.0 device class in Zephyr	How hard is it to bring a professional le...	Upstream Embedded Linux on RISC-V: The Good, the Bad and the Ugly					
						AI for Meetings											
18:15																	
							Distributed Tracing in Server-Side Swift										
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		Chatmail server networks for anonymous end-to-end encrypted messaging	Using embedded Rust to build an unattended, battery-powered device	Rethinking the Web CMS and Finding the Ex...
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			

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	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)	UD2.218A	UD2.208 (Decroly)	UD6.203	UD6.205	UD6.215							
14:15	↳ Type tips and tricks	↳ Breaking Barriers: The Art of (Free) Gamified Security Trai...		↳ ODBC Takes an Arrow...	↳ Open Source in Industrial Control Systems: A Cultural Chall...	↳ High performance gRPC	↳ Incus cluster: private cloud with system containers		↳ Modsoup : Recipe and ingredients - Creating a modpack/gamepack for Luantl/Minetest	↳ Snap!GPT: Exploring Generative AI Through Visual Programming	↳ Fuzzing databases is difficult							
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				Advanced Test Harness Infrastructure for Validating ARM and FPGA-based Systems							
	How I optimized zbus by 95%		Open Source Firmware,...		How a City Platform Became a Global Community													
14:45																		
				How we built a new powerful JSON data type for ClickHouse														
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			Squashing the Heisenbug with Deterministic Simulation Testing							
15:15			HelenOS: 20 years of past history, 20 years of future vision		From Side Projects to Sustainable Open Source													
	Programming ROS 2 with Rust	Sigsum: Detecting rogue signatures through transparency	Celebrating kernel diversity with Genode	volesti: 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			Testing Support for Multiple Authentication Methods in ClickHouse Using Combinatorics and Behavioral ...							
15:30																		
15:45																		
	Lessons from rewriting systems software in Rust				Empowering Communities and Local Tech Companies with Government-Supported FOSS Localization Project		Could we actually replace containers?		Physics count game using ZIM	The Magic of Making a Radio Remote Controller								
16:00																		
		An overview on detecting Login Anomalies with BuffaLogs	MACHINA: Lessons and Insights from Reimplementing the Mach Microkernel	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!		Funkwhale presentation : to audio federat...			Accelerating CI Pipelines: Rapid Kubernetes Testing with vCluster							
16:15																		
			CMRX: Microkernel-based RTOS with memory isolation on MMU-less architectures				Kubernetes outside of the cloud: Lessons learned after 3 years	Build your own timeline algorithm										
16:30		Managing Vulnerabilities in Open-Source Dependencies	A Formal Specification of the NOVA Microhypervisor			Playing games without a computer: Hardware fun with TinyGo		Non-Microblogging Software Design on the Fediverse			Advanced Build Tools and Remote Execution API							
16:45																		
	Writing safe PostgreSQL extensions in Rust: a practical guide		Obtaining Safety & Security Certifications for L4Re	Open Source Business Intelligence - Introduction to Apache Superset	Talking to Robots: Uses and Abuses of LLMs in Communities		Syd+Youki=Syd-OCI: Introduction to a Secure Container Runtime for Linux	Fediscovery: Improving Search and Discovery on the Fediverse			Streamlining package testing with Molecule and Jenkins							
17:00		What if Log4Shell were to happen today?		Open Source Governance for Software Engineers	Implementing parallelism: how we added threading and multicore support in TinyGo		Less overhead, strong isolation: Running containers in minimal specialized Linux ...	Today's fediverse: a good start, but ther...			Infra for Drones: Lessons learned from 15 years of open source robotics.							
17:15																		
	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	Digital Public Goods - Incentivizing Collaboration	Return Of Go Without Wires		Dangerzone: Containers that contain containers that contain attackers	Manyfold: Federating 3d models									
17:30																		
		How Threat Actors Are Weaponizing Your Favorite Open-Source Package Registry	Cancelling POSIX syscalls in Managarm - an asynchronous microkernel-based OS					Show and Tell: Federation at Forgejo										
17:45																		
18:00		Hunting for GitHub Actions bugs with zizmor	an asynchronous microkernel-based OS			Go Lightning Talks		Mobilizon: Decentralizing Event Management for a Privacy-Respecting Social Web			Refining the Release Strategy of a Custom Linux Distro							
18:15																		
	Adventures in oxidizing Arch Linux Package Management		POSIX Signals in User Space on the Redox Microkernel	Developing Custom UIs to Explore Graph Databases Using Sigma.js	Become a Hiro		D4C: Leveraging Delta Encodings for Faster and Lighter Container Image Updating											
18:30		Enhancing artifact security with GitHub Artifact Attestations					TuxWrangler: Image Wrangler	Networked Journalism: Bringing long-form publishing to the Fediverse			Enhancing delivery using Kubernetes Gateway API and Istio							
18:45			Trusted boot with the Genode OS Framework															
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**FOSDEM 2025 - Saturday 2025-02-01 (7/9)**

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**FOSDEM 2025 - Saturday 2025-02-01 (8/9)**

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

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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	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										
09:15						What do maintainers need from funders and others? We asked Maintainers to find out.									Porting LuaRocks to Teal: Exploring the Benefits of Statically Typed Code in Lua	Free Function API for CadQuery						
09:30					Solving the world's (localization) problems		Writing an MP4 Muxer for Fun and Profit	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	MySQL Vector and AI	Flatcar and Gentoo sitting in a tree - A collaboration of distributions	rash: asynchronous shell	Bringing a new API to KiCad								
09:45																						
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?		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	Boosting MySQL with Vector Search: Introducing the MyVector Plugin	Rust, RPMs, and the Fine Art of Dependency Bundling	Moving closer to minimum with Clojure												
10:15					Secure and Inclusive: WebAuthn for (Multi-Factor) Authentication	PipeWire state of the union	20 Years of Hacking the Funding of XWiki and CryptPad	Harmonizing APIs: a comparison of OpenAPI and GraphQL using the Spotify schema	Attested Noise Protocol for Low-TCB Trusted Execution Environments	Cyber-Physical WebAssembly: Interfacing with USB and I2C Hardware	Extending MySQL using components: Password breach check, broadcasting a service call and more..	Fedora Silverblue With Disk Encryption: How I Almost Lost Everything But Gained Much Wisdom (Side Story: Bmaptool And Ddr...	RDE: Tools for managing reproducible development environments	VACASK and Verilog-A Distiller - building a device library for an analog circuit ...								
10:30																						
10:45																						
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	Upgrading to MySQL 8.4 at Booking.com	Packit: Bridging the Gap Between Fedora and openSUSE	Constraint Logic Programming From The Perspective of Annotations	Horizon EDA - past, present and future										
11:15													Why and How Companies Should Pay Open Source Maintainers									
11:30					Growing inclusive communities: Djangonaut Space program	Embedded Video Systems With Zephyr	Building Agentic GraphQL APIs With LLM Tool Use & Knowledge Graphs	Measurement and Attestation Schemes for Container Sandboxes	WebAssembly-powered game console		CentOS Stream and the Power of SIGs: KDE, Hyperscale, and Beyond	Small headed programming for performance with prescheme, nim and zig	KiCad Project Status									
11:45																						
12:00	The Road to Mainstream Matrix	Beyond the README: Crafting a Better Developer Experience for Open Source Projects	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	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 exploration of miniKanren in FLENG PCN	Lessons From 10 Years of Certifying Open Source Hardware											
12:15					ATAG accessibility audits: worth your while	How MistServer handles SRT connections in independent child processes	(CANCELLED) Funding the FOSS Ecosystem - (AMA with Devroom Organisers Instead)	Documenting your event-driven architectures with OpenAPI and AsyncAPI	Remote Attestation in the cloud	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...									
12:30																						
12:45																						
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			What is new in MyRocks - RocksDB storage engine for MySQL	The Road to EPEL 10												
13:15							Funding FOSS together: Combining public and private efforts	Welcome to the Quantum Computing devroom					Opening Railways and ...	European standards to serve both public transport and rail, demystification of NeTeX, SIRI and TOMP A...	Being different takes Aeons - a tale of the endless RC? ↴	The Shepherd: Minimalism in PID 1 ↴	Product development in mechanical engineering with open-source software ↴					
13:30					Thunderbird: Building a Cross-Platform, Scalable Open-Source ...		Getting the Rust SDK running on webassembly ↴															
				Enhancing Web Media S...					Routing Guidelines: U...													

H.2213		H.2214	H.2215 (Ferrer)	H.3242	H.3244	AW1.120	AW1.121	AW1.126	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147									
09:00	Welcome to the SBOM devroom	DIYing the "smartness" into an EV charger for profit and open source				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...	PostgreSQL Performance - 20 years of improvements	Welcome to the Ada DevRoom									
						Room Changeover and I...															
	SBOMs and cryptographic algorithms: status and next steps					An Introduction to the Open Source AI def...															
09:15						Why Europe needs the OSAID: Openwashing a...															
						Unlocking Transparency in Platforms' Cont...															
09:30	Open Discussion	Tux-EVSE, an open-source EV charger				Presentation by the European Commission o...	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!										
						Community-driven compliance: The CRA and ...															
09:45																					
		CitrineOS - one year of progress of a Cha...																			
10:00	A retrospective on Google's SBOM implementation			Applying the "Do No Harm" Principle to Open Source Practices and Technology BOF	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		Deep Dive into OIDC flows	Logical Replication Live Session - Keep on Streaming	Advent of Compression: writing a working BZip2 encoder in Ada from scratch in a f...									
		Unleashing Bidirectional Charging: Protocols, Challenges, and...	Kites for Future - Airborne Wind Energy for everyone											Workshops: DSA / AI / CRA							
10:15																					
		SBOM journey for an Open Source Project - Apache NuttX RTOS	Lightning Talk: Podcast Feeds			Finding Anomalies in the Debian Packaging System to Detect Su...										Are current standards enough? Towards Verifiable Credentials with expressive zero knowledge query	ProxyGuard - WireGuard behind a reverse proxy		Nubus: An Enterprise Open Source IAM Stack in Kubernetes	Understanding liquid types, contracts and formal verification with Ada/SPARK	
10:30																					
10:45																					
	Lessons learned from integrating SBOM in a supply chain	Flow Battery Research Collective: Building an Open-Source Battery for Stationary ...	Bamboozling badly behaving bots	Open Chopsticks: Exploring Taiwanese Culture and Open Source Communities	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		Every ISP Needs To Use A QoE Middle-Box On Their Network	ACME Certificates with FreeIPA: Simplify SSL/TLS Management	Tuning Postgres for Analytics	The state of Rust trying to catch up with Ada								
11:00																					
11:15																					
	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...	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		Cryptography in SPARK: building the foundation with constant-time bigints									
11:30																					
	Discover Dependency License Information Using SBOMs and ClearlyDefined	Measure what you manage: Transparent Ener...	Godot VR as a front end for ParaView (lightning talk)										FOS 4 Bioinformatics & Computational Biology		Digital Identities in disarray	Social Web BOF	Sample implementation of OpenId 4 Verifiable Presentation over Bluetooth Low Energy	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	Multiword Arithmetic and Parallel Computing
11:45																					
	Persistent Copyright & Licensing Information in Client-side JS, CSS &sim. (propos...	Software Licensing For A Circular Economy...																			
12:00																					
12:15		PowerLetrics: Democratizing Energy Metric...	Disrupting the destruction of our natural world with openness			Accelerating Digital Transformation in Europe: The Role of Di...						Developing device drivers for Ironclad using Ada									
	The Breadth and Depth of SBOMs					Digital Commons as Pillars of Digital Sov...															
12:30																					
	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...			Public Sector Open Source fishbowl		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																					
		Engaging households to avoid congestion works: mixing gamific...	How to Write a Killer README			Wrap up by Public Sector Open Source bloc...			VPP TLS Plugin: Enhancing Performance with Asynchronous Opera...												

	H.2213	H.2214	H.2215 (Ferrer)	H.3242	H.3244	AW1.120	AW1.121	AW1.126	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147
13:00	TEA - Let the SBOM ride down the software supply chain!			Automotive BOF ↴	RIOT-OS: Embedded/IoT OS meetup ↴		NLnet office hour ↴			Fine-grained access control in LXD with OpenFGA	Anatomy of Table-Level Locks in PostgreSQL ↴	
						Room Changeover and I...						
		SunPeek - Open-Source Software for Performance Assesment and ...	hkml: A tool for working on mailing lists-driven projects wit...			Open Source as a Cultural Movement: Europe's Call to Action f...		Government Collaborat...	Scitags: network traffic tagging for scientific computing			Welcome to the Roboti...
13:15								How is Development and Collaboration Done...				
										Building a robot powe...		
13:30	BASIL an open source tool that supports requirements traceabi...	Energy Access Explorer : The Digital Public Good to deliver ...	A glimpse into a smoother version control experience		Building Europe's Platform Mesh: Cloud-Native APIs for Multi-...		OSOR Handbook on Open Source Software in ...	Securing the Internal Control Plane with Standards & OSS ↴	localkdc - A general local authentication...			
										Building Public-Priva...		

**FOSDEM 2025 - Sunday 2025-02-02 (3/6)**

	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)	UD2.218A	UD2.208 (Decroly)	UD6.203	UD6.205	UD6.215						
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	Creative with Coding	Make live music with MicroBlocks	Towards a Block-Oriented Visual Programming Paradigm						
	Hugging Face ecosystem for Local AI/ ML											Discovering the Magic Behind OpenTelemetry Instrumentation					
09:15																	
09:30		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 Polyolith Developer Experience	Macros Gone Wild: The Usage of the C Preprocessor in the Linux Kernel		Approaches to Open Source Embroidery							
	Accelerating AI with open source hardware and software											Apache Flink and Prometheus: better together to improve the efficiency of your observability platform at scale					
09:45																	
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	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			Youth Hacking 4 Freedom 2025						
10:15																	
10:30	History and advances of quantization in llama.cpp	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									
10:45																	
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	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	Create a Critter using TurtleStitch	Making Magic Mirrors	FOLL-E: open source educational tool to stimulate logical reasoning						
				Environment Modules: why this old idea is still useful today and what's next													
11:15	Apache Arrow: The Great Library Unifier																
11:30		The IaC Tooling Multiverse and the Future of IaC	Generating immutable, A/B updatable, securely booting Debian images		Demystifying Temporal: A Deep Dive into JavaScript New Temporal API		Python MonkeyPatch: Debugging Python Applications + Production Hotfix	Waste-Free Per-CPU Userspace Memory Allocation			Public values and FOSS for education						
11:45																	
	Building Your (Local)...																
	How Llamagator helps ...					Zero-Code Distributed Traces for any programming language					ZIMjs.com make javascript app						
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																	
	GPUSock: Building a Simple and Scalable Management	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	Music by Coding ↴	Physical Computing with MIT App Inventor ↴	Free software teaching materials						
12:30	Experience for Diverse AI Mod...																
	Self-hosted LLMs at a scale with Paddler																
12:45																	
13:00	RamaLama: Making working with AI Models Boring	Simplifying KubeVirt: New tools for easier VM management	Welcome to Retrocompu...	EuroHPC FP: a Federated Platform for HPC Infrastructure in Europe, Built with Open Source Software			Nim for Pythonistas (and Open Source Lovers)	TuxTape: A Kernel Livepatching Solution			Free your games: Luanti!						
				Error correction for Dragon Quest passphr...													
13:15				Bildschirmtext - Reeenacting an ancient communication system using Javascript and...													
	Building AI Applications from your desktop with Podman AI Lab																
13:30		Free my Kubernetes network! Breaking away from the Kubernetes...		Running Kubernetes Workloads on HPC with HPK ↴	Mozilla Builders: Working with the OSS co...		Skip the Overhead: Lean Web Development with Django ↴				The Hedy Programming E...						
	From Supercomputer to...																

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