FOSDEM 2023 - Saturday 2023-02-04 (1/9)

Time	Janson	K.1.105 (La Fontaine)...	H.2215 (Ferrer)	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2214	AW1.120	AW1.126	K.3.201	K.3.401
09:30	Welcome to FOSDEM 2023											
09:45												
10:00	Celebrating 25 years of Open Source	Graphics: A Frame's Journey										
10:15												
10:30				A Sovereign Cloud - Opening Remarks	Building an actor library for Quickwit's indexing pipeline.	Devroom kick-off talk: UKI? DDI?? Oh my!!!		Lessons learnt managing and scaling 200TB glusterfs cluster @PhonePe	Welcome to the BSD de...	Opening Railways and Open Transport devro...	Fuzzing Device Models in Rust: Common Pitfalls	GStreamer: State of the Union 2023
10:45				How we created a Documentation Framework that works across a group of vendors in ...					BSD Driver Harmony	Automated short-term train planning in OSRD		
11:00	How regulating software for the European market could impact FOSS	Can we do an open source chip design in 45 minutes?				DM-Verity Rootfs Protection			Game of Trees Daemon		Is OpenStack still needed in 2023?	PipeWire state of the union
11:15				Is Open Source Coming back to your Cloud?	Building a distributed search engine with tantivy			Present and future of Ceph integration with OpenStack and k8s		Using open source software to boost measurement data in railways		
11:30						Image-Based Linux and TPMs					Using SPDK with the Xen hypervisor	Modern Camera Handling in Chromium
11:45						Building initrds in a new way		SQL on Ceph	Reggae: cool way of managing jails/VMs on FreeBSD	Introducing MOTIS Project		
12:00		Fedora Asahi	Introducing Helios	On-premise data centers do not need to be legacy	Aurae: Distributed Runtime					Transit network planning for everyone	OKD Virtualization: what's new, what's next	Advanced programmable use of Liquidsoap with FFmpeg
12:15						Ultrablue		Dynamic load change in SDS systems				
12:30			Creating Pathways That Invest in New Maintainers	Distributed Storage in the Cloud						Digitransit	Stateless decoder virtualization using VirtIO Video and Rust	Dual presentation: FFmpeg 6 and VLC.js
12:45			Should there be a standard in libre localization?		Presentation of BastionLab, a Rust open-s...	Converging image and package based OS updates			Happy 5th anniversary pkg-provides	OpenTripPlanner		
13:00	The ELISA Project - Enabling Linux in Safety Applications	DNF5: the new era in RPM software management	Do more awkward user interviews		Neovim and rust-analyzer are best friends			s3gw: easy to use S3-compatible gateway for small and edge deployments			blkhash - fast disk image checksums	4K HDR video with AV1 : A Reality Check
13:00				From Zero to Hero with Solid	A Rusty CHERI - The path to hardware capa...							
13:15			Beyond Wikipedia: Discovering Wikimedia's Open-Source Ecosyst...		Slint: Are we GUI yet?	Ubuntu Core: a technical overview			Chimera Linux			
13:30					Rust API Design Learnings	openSUSE MicroOS design				Developing open transport toolbox and community for ten years	Dear admin, where's my network?	VVenC & VVdeC: Open source video encoding and playback for VVC
13:30			data mountains - turn your data into mountains!							Public Transport Data in KDE Itinerary		
13:45				Operate First community cloud				Ceph RGW and Zipper ⤵				
14:00	Linux Inlaws ⤵	Maker Tools in the Browser ⤵	CoffeOSM: improve OpenStreetMap a receipt at a time			MachineOS: a Trusted, SecureBoot Image-based Container OS ⤵				OpenStreetMap, one geographic database to...	A journey through supporting VMs with dedicated CPUs on Kuber...	The FFV1 ecosystem ⤵

Time	K.4.201	K.4.601	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)
09:30												
09:45												
10:00												
10:15												
10:30	Running Real-time Stream Processing Analytics On Traces	TEDective		Enabling FIDO2/WebAuthn support for remotely managed users			Drawing your Kubernetes cluster the right way	Relativitization: an interstellar social simulation framework and a turn-based strategy game	Lomiri Mobile Linux in Desktop mode	Welcome to the Legal ... / A Service as a Software Substitute (SaaS) is unjust like proprietary software	Kotlin DevRoom Welcoming Remarks	Delta-like Streaming of (encrypted) OTA Updates for RAUC
10:45											The State of Kotlin	
							Send in the chown()s					
11:00		On the HashGNN node embedding algorithm		FIDO beyond the browser				MuPhyN - MultiPhysical Nexus	AMENDMENT Sharp photos and short movies on a mobile phone	Windows and Office "tax" refund		Matter and Thread as Connectivity Solution for Embedded
11:15	CDC Stream Processing with Apache Flink											
11:30		ipysigma: a Jupyter widget for interactive visual network analysis		AMENDMENT Hardening Linux System with File Access Policy Daemon			Fedora CoreOS - Your Next Multiplayer Homelab Distro	Guix, toward practical transparent, verifiable and long-term reproducible research	Mainline Linux on recent Qualcomm SoCs: Fairphone 4	Fuzzy Law-gic: FOSS & the Unauthorized Practice of Law	Kotlin Multiplatform: From "Hello World" to the Real World	Developing Bluetooth Mesh networks with Rust
11:45	An introduction to Apache Beam for streaming analytics								Mobian: to stable... and beyond!			
12:00		A case for DAG databases		Elliptic curves in FOSS			Deploying Kubernetes across Hybrid and Multi-Cloud Environments Using OpenNebula	The under-equipped social scientist ?		Is "European open source" a thing?	A mirror without reflection for Kotlin/Multiplatform	5 errors when building embedded systems
12:15									What's new in the world of phosh?			
12:30	Ingesting over a million rows per second on a single instance.	Visualization paradigm that will (potentially) replace force layouts		OpenSSL in RHEL: FIPS-140-3 certification			Touring the container developer tooling landscape	Preliminary analysis of crowdsourced sound data with FOSS	Ondev2: Distro-Independent Installer For Linux Mobile		Toward better Kotlin Multiplatform architecture with Dependency Injection and KSP	WAM: an embedded web runtime history for LG webOS and Automotive Grade Linux
12:45									Sailing into the Linux port with Sony Open Devices			
13:00	Building A Real-Time Analytics Dashboard with Streamlit, Apache Pinot, and Apache Pulsar	Graph Stream Zoomer		Kerberos PKINIT: what, why, and how (to break it)			Bit-for-bit reproducible builds with Dockerfile	Tackling disinformation using opensource software	AMENDMENT Writing a convergent application in 2023 with Kirigami	Financing Open Source by small companies	KRuMP - Kotlin-Rust-Multiplatform?!	KUKSA.val Vehicle Abstraction
13:15							Kubernetes and Checkpoint/Restore					
13:30		The LDBC Social Network Benchmark		Remote Attestation with Keylime		vis users meeting		PIMMI	Can Genode on the PinePhone question the notion of a smartphone?	Open Source Initiative - Changes to License Review Process	Kotlin Multiplatform for Android & iOS library developers	Convergent camera applications for mobile Linux devices
13:45	Building Analytical Apps With ClickHouse ⌐											
14:00		Gephi towards v1.0: the codebase, and the rest ⌐		AMENDMENT Hybrid Public Key Encryption in PQ world? ⌐		NGI Zero network meetup ⌐	Exploring Database Containers ⌐	AMENDMENT Better engineer-researcher collaborations though da...	Where do we go from h...	Learning From the Big Failures To Improve FOSS Advocacy and A...	Functional fun in Kotlin ⌐	Advanced Camera Support on Allwinner SoCs with Mainline Linux...

	UD2.218A	D.test (online)	D.collab (online)	D.confidential (onlin…	D.emulator (online)	D.energy (online)	D.matrix (online)	D.minimalistic (onlin…	D.research (online)	D.sds (online)	I.Infodesk (online)
09:30											
09:45											
10:00											The Virtual FOSDEM Infodesk (Saturday) ⤵
10:15											
10:30	The State of Go					Welcome to the online… / Energy policy by the …		Inside the FIM (Fbi IMproved) Scriptable Image Viewer			
10:45						What the energy industry can learn from how open source technology has transformed other traditional industries					
11:00	Recipes for reducing cognitive load							LIPS Scheme			
11:15						Challenges in Home Energy Management				vhost-user-blk: a fast userspace block I/O interface	
11:30	Building a CI pipeline with Dagger in Go	Test talk number 1				Obstacles to open source in building energy technology		Introduction to Pre-Scheme			
11:45		Test talk number 2									
12:00	Debugging concurrency programs in Go	Test talk number 3				EVerest: AC and DC electric vehicle charging with open source software and hardware		Bringing RISC-V to Guix's bootstrap			
12:15		Test talk number 4 / Test talk number 5									
12:30	What's new in Delve / Tracing Go programs with eBPF	Test talk number 6 / Test talk number 7 / Test talk number 8				European Eichrecht		Using GNU Guix Containers with FHS (Filesystem Hierarchy Standard) Support			
12:45		Test talk number 9									
13:00	Go Even Further Without Wires			Rust based Shim-Firmware for confidential container		Presentation of the SEAPATH project		Creating minimal Guix System images			
13:15											
13:30	Optimizing string usage in Go programs			Project Veraison (VERificAtIon of atteStatiON)		Green software engineering		Self-conscious Reflexive Interpreters ⤵			
13:45											
14:00	Squeezing a go function ⤵					Carbon Intensity Aware Scheduling in Kubernetes ⤵					

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14:15	↳ Linux Inlaws	↳ Maker Tools in the Browser	Announcing pg_statviz	Responsible Clouds and the Green Web Triangle	A deep dive inside the Rust frontend for GCC	↳ MachineOS: a Truste...		↳ Ceph RGW and Zipper		↳ OpenStreetMap, one geographic database ...; Closing Railways and ...	↳ A journey through supporting VMs with dedicated CPUs on Kub...	↳ The FFV1 ecosystem
14:30												AVX512 in FFmpeg
14:45			Breaking the Code of Inclusion: Designing Micro Materials Bas...	The Co-operative Cloud								
15:00	Similarity Detection in Online Integrity	Passwordless Linux -- where are we?	Open Source Good Governance – GGI Framework presentation & de...		Merging process of the rust compiler	Migrating to LibreOffice Technology - old...; Fun project by design – How LibreOffice d...	Making Continuous Delivery Accessible to All		Demystifying compiler-rt-sanitizers for multiple architectures	Welcome to the on-campus Energy Devroom; V2GLiberty: The open stack that could	GNU Guix and Open science, a crush?	Scalable vector multimedia optimisations
15:15			FPGA-based music synthesis with open-source tools		Let's write Snake game!	SmartArt Support for LibreOffice	How To Automate Documentation Workflow For Developers					
15:30						Putting the R in LibreOffice: a Shiny das...			Defining a multi-architecture interface f...	OpenSTEF: Open Source energy predictions	How Replicant, a 100% free software Android distribution, uses (or doesn't use) Guix	Using the FIM (Fbi IMproved) Universal Image Viewer
15:45			FabAccess	The Importance of Collaborative Applications for European Digital Sovereignty		Cleaning up the unittest code mess; Crashtesting LibreOffice in the backyard	Delivering a crossplane-based platform	Intro to Ceph on Kubernetes using Rook	CANCELLED Eliminating ManagedStatic and l...			
16:00	Teaching machines to handle bugs and test Firefox more efficiently.	Winners and Losers in FOSS	OpenStreetMap: Sharpen your "Emergency Eyes"		Glidesort	LibreOffice Dark Modes			How to Build your own MLIR Dialect	4 Years of Energy Management with openHAB	Exploring WebAssembly with Forth (and vice versa)	Merging Two Worlds - Broadcast and WebRTC
16:15			Bare-metal servers as a container runtime			Turbocharging an elephant. Making Libreof...; Feature Locking and Feature Restriction	Continuously Update Everything				Whippet: A new production embeddable garbage collector	
16:30						An Interoperability Improvement in LibreO...	Continuous Delivery to many Kubernetes Clusters	AMENDMENT Autoscaling with KEDA - Object Store Case Study		Combatting Software-Driven Environmental Harm With Free Software		The open source stack for animation movie pipelines
16:45			Passbolt	How Pydantic V2 leverages Rust's Superpowers		Writer Content Controls -- what happened ...; Footnotes in multi-column sections	CI/CD The gitops way		Case study of creating and maintaining an analysis and instrumentation tool based on LLVM: PARCOACH			
17:00	Sustaining Free and Open Source Software	Fair threaded task scheduler verified in TLA+	Is YAML the Answer?	The role of Open Infrastructure in digital sovereignty		News from the ODF Toolkit				Getting to a fossil free internet by 2030	Zig and Guile for fast code and a REPL	Melrõse, a music programming environment
17:15			CNI 2.0: Vive la révolution	The Role of Open Source at the EU Technology Roadmap for a European Sovereign Cloud	Scalable graph algorithms in Rust (and Python)	LibreOffice graphics subsystems - SystemS...; Improvements to LibreOffice PDF accessibi...			The C2 compiler		Algebraic Effects and Types as First-Class Features in the Fuzion Language	
17:30						Supporting old proprietary graphic format...	CI/CD for Machine learning models			Power profiling with the Firefox Profiler		Become a rockstar using FOSS!
17:45			Staging of Artifacts in a Build System	What is Digital Sovereignty and how can OSS help to achieve it?	Using Rust for your network management tools!	LibreOfficeKit – bridge between your appl...; Collabora Online over lock-down		CANCELLED First class support in OSS	Flang progress update		IDP-Z3, a reasoning engine for FO(.)	
18:00	Perspectives from the Open Source Developer	Tools for linking Wikidata and OpenStreetMap				A Rocket Engine for LibreOffice Templates; Make Collabora Online yours	Build CI/CD pipelines as code, run them anywhere			Update on open-source energy system modeling in the global south and including Africa		Distributing multicast channels to 3rd parties: a case study with OSS and virtualization/SR-IOV
18:15				Effective management of Kubernetes resources for cluster admins	Backward and forward compatibility for security features	Marrying Collabora Online and LibreOffice...	How We Gained Observability Into Our CI/CD Pipeline		Open source C/C++ embedded toolchains using LLVM		I have an idea: build a language that can run backwards	

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18:30						Collabora Online and WASM				Open data and open-source adoption in the energy sector	LuaRocks and the challenges of minimalism	
					atuin: magical shell history with Rust	State of the Toolchain						
18:45				Z Sovereign Cloud - Closing Remarks								

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14:15	↳ Building Analytical...	↳ Gephi towards v1.0: the codebase, and t...		↳ AMENDMENT Hybrid Public Key Encryption ...		↳ NGI Zero network meetup	↳ Exploring Database Containers	↳ AMENDMENT Better engineer-researcher collaborations though ...	↳ Where do we go from here?	↳ Learning From the Big Failures To Improve FOSS Advocacy and Adoption	↳ Functional fun in Kotlin	↳ Advanced Camera Support on Allwinner SoCs with Mainline Linux
14:30				Where does that code come from?			Safer containers through system call interception	CorTexT Manager, a growing online platform in open research for social sciences			Be pushy! Let's join for wider and better Kotlin support worldwide	
14:45												
15:00		Collaborating with Collabora Online		Whom Do You Trust?	Understanding the energy use of Firefox	The Hare programming language	Bottlerocket OS - a container-optimized Linux	Interactive network visualizations as "guided close reading" devices for the social sciences	AMENDMENT Parsing zone files really fast	Reckoning with new app store changes: Is now our chance?	How we moved SDKs to Kotlin Multiplatform	U-Boot as PSCI provider on ARM64
15:15												
15:30		Migrating from proprietary to Open-Source knowledge management tools		IntelOwl Project	What's new with the Firefox Profiler		Automating secret rotation in Kubernetes	Webmapping and massive statistical data, a democratization st...	DNS for I2P: a Distributed Network without Central Authority	How to get public administrations to use more FOSS	Improving the Kotlin Developer Experience in Koin 3.2	barebox, the bootloader for Linux kernel developers
15:45								Executable papers in the Humanities, or how did we land to th...				
16:00		Deploy an enterprise search server with Fess		What Does Rugby Have To Do With Sigstore?	Over a decade of anti-tracking work at Mozilla	SourceHut meetup	Quick starting secure container storage using squashfs, overlay and dm-verity	The Turing Way: Changing research culture through open collab...	Why resolving two names in a GUI program is hard	EU alternative to app stores	Shrinking in the Age of Kotlin	Building FPGA Bitstreams with Open-Source Tools
16:15								Open Research Open Panel	Connectbyname and the Proxy Control option			
16:30		Optimizing your core application for integration		How to protect your Kubernetes cluster using Crowdsec	The Digital Services Act 101		Cluster API: Operating Kubernetes with Kubernetes			AI Discussion	20 minutes from zero to a live chatbot with Tock	Open Source Switching: Upstreaming ONIE N...
16:45									iothnamed			A journey to the hardware world / Ups and Downs with Remote Desktop Protoco...
17:00		Nextcloud Numbers and Hubs		Secure voice/video over IP communications today and tomorrow thanks to post-quantum encryption !	Cache The World	Weblate community BoF	7 years of cgroup v2: the future of Linux resource control			The coming EU Standard-Essential Patents regulation	Data oriented programming in Kotlin	Bluetooth state in PipeWire and WirePlumb...
17:15												Exploring a swedish smarthome hub
17:30		The Relentless March of Markdown		Mercator	Firefox Profiler beyond the web		From a database in container to DBaaS on Kubernetes		Implementation of the Drink server: programming details	The Professional's Guide To Haphazardly Picking Licenses For Standards & Specifications	Take your shot of Vitamin!	The PolyVent FLOSS Ventilator
17:45									Hosting your own DNS for 'fun' and zero profit			
18:00		Privacy and Collaboration		Hardware-backed attestation in TLS	Localize your open source project with Pontoon	Book reading: Ada & Zangemann - A Tale of Software, Skateboards, and Raspberry Ice Cream	Lightweight Kubernetes Operators with WebAssembly			Panel: Hot Topics	How to Test Your Compose UI	VoLTE for FOSS
18:15									Moving from home grown to open source			
18:30		Transparent, asynchronous, efficient communication		Demystifying StackRox	The Road to Intl.MessageFormat						Kotlin DevRoom Closing Remarks	Reverse engineering a solar roof datalogger
18:45									Bizarre and Unusual Uses of DNS			

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14:15	↳ Squeezing a go function					↳ Carbon Intensity Aware Scheduling in Kubernetes		↳ Self-conscious Reflexive Interpreters			↳ The Virtual FOSDEM Infodesk (Saturday)
14:30	Reconciliation Pattern, Control Theory and Cluster API: The Holy Trinity			Nydus Image Service for Confidential Containers							
14:45											
15:00	Five Steps to Make Your Go Code Faster & More Efficient			THE BASE - FOSS Confidential Container SDK to ease the development						Operating Ceph from Ceph Dashboard	
15:15											
15:30	Headscale: How we are using integration testing to reimplement Tailscale			A Study of Fine-Grain Compartment Interface Vulnerabilities: What, Why, and What We Should Do About Them							
15:45											
16:00	Our Mad Journey of Building a Vector Database in Go			Building a secure network of trusted applications on untrusted hosts							
16:15											
16:30	Building a basic event-driven application in Go in 20 minutes			Scalable Confidential Computing on Kubernetes with Marblerun						CANCELLED Container Storage Interface Addons	
16:45									The Software Sustainability Institute Community and Events		
17:00	Is Go Object-Oriented? A Case of Public Opinion			Gramine Library OS					Establishing the Research Software Engineering (RSE) Asia Ass...	CANCELLED Monitoring and Centralized Logging in Ceph	
17:15									FAIRPoints		
17:30	Visually programming Go			Confidential Containers and the Pitfalls of Runtime Attestation	Learn 8-bit machine language with the Toy CPU emulator				Frictionless Application (IDE for CSV)		
17:45											
18:00	vfkit - a native macOS hypervisor written in go								Papis: a simple, powerful and extendable command-line bibliography manager		
18:15											
18:30	Go Lightning talks								Research at the service of free knowledge: Building open tools to support research on Wikimedia projects		
18:45											

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19:00												

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19:00												

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19:00											

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09:00	Open Source in Environmental Sustainability	Reimplementing the Coreutils in a modern language (Rust)		Welcome to the Networ...	Welcome to the Friend...	The Microkernel Landscape in 2023	Elixir - Old wine in new casks	Zimjs.com/kids/slate makes kids happy magic .js coders	AMENDMENT Intro to public code and Digital Public Goods	fq - jq for binary formats	New Year -> New major-major version of MariaDB	AMENDMENT Welcome to the Matrix Devroom
				Peer-to-peer Browser Connectivity	After Nearly 30 Years, How Is Java So Popular?							AMENDMENT matrixRTC | Matrix beyond Instant Messaging
09:15									AMENDMENT Covid Exposure Notification Out in the Open			
09:30				Snabbflow: a scalable IPFIX exporter	Why And How To Upgrade To Java 17 (And Prepare For 21)	Device driver gardening	Introduction to Gleam	Building Personalized AI Apps with MIT App Inventor		Parsing binary formats with Kaitai Struct	An introduction to MariaDB contributions	
09:45				What is an IDS and Network Security Monitoring in 2023?					AMENDMENT Global Open Source Quality Assurance of Emergency Supplies			AMENDMENT Clients as good as you'd expect
10:00	Making the world a better place through Open Source	Zero Knowledge Cryptography and Anonymous Engineering	Combining EASY!Appointments with Jitsi for online appointment...		Best Practices For Real-Time Stream Processing (With Hazelcast Open Source Platfo...	Using Genode as an enabler for research on modern operating systems	Speak binary to me				Deploying Galera Cluster in the real world	
10:15			Breaking away from Big Tech	DDoS attack detection with open source FastNetMon Community	Keep Your Dependencies In Check				AMENDMENT Public Money? Public Code! in Europe	GNU poke		
10:30							LiveView keeps you warm!	Hedy: A gradual and multi-lingual programming language for education			What is new in analytics for MariaDB	
10:45			Grottocenter	ntopng: an actionable event-driven network traffic analysis application	Major Migrations Made Easy With OpenRewrite				The "Full-Stack DPGs"	Stack walking/unwinding without frame pointers		
11:00	Building Strong Foundations for a More Secure Future	Building an Plant Monitoring App with InfluxDB, Python, and Flask with Edge to cloud replication	Consulting for digital humanists		Rethinking Ecosystem Security After Log4Shell	NOVA Microhypervisor Feature Update	Distributed music programming with Gleam, BEAM, and the Web Audio API	MicroBlocks: small, fast, human friendly			Data-in-use Encryption with MariaDB	AMENDMENT Widgets in the "Sovereign Workplace" for the German public sector
11:15			A GitLab forge for all teachers and students in France?	So you want to build a deterministic networking system						Libabigail, State Of The Onion		
11:30					Elasticsearch Internals		The Actor Model as a Load Testing Framework				InnoDB change buffer: Unsafe at any speed	
11:45			FOSSbot: An open source and open design educational robot	Hole punching in the wild				Snap! - Build Your Own Blocks	AMENDMENT The New EU Interoperable Europe Act and the Reuse of Software in Public Administration	GNU poke beyond the CLI (Command Line Interface)	Trixnity	
12:00	Rosegarden: A Slumbering Giant	Practical Computerized Home Automation	Tableaunoir: an online blackboard for teaching		Securing Your Software Supply Chain One Open Source Project at a Time	Evolution of OSv: Towards Greater Modularity and Composability	Shorter feedback loops with Livebook				MySQL 8 vs MariaDB 10.11	
12:15				"CNI Unleashed"				TurtleStitch - Coded Embroidery		The state of r2land		Bridging ActivityPub with Kazarma
12:30			Lua for the lazy C developer		What I Miss In Java (The Perspectives Of A Kotlin Developer)		Running Erlang and El...		AMENDEMENT Future of public code and Digital Public Goods		The MySQL Ecosystem in 2023	All your base are belong to us
12:45			I2P: Major Changes of the Peer-to-Peer Network	Networking management made simple with Nmstate			Dealing with a Monster Query					
13:00	Podcasting 2.0: it's all about Interoperability ⤵	The Open Source Business Guidebook ⤵	The Nym Mixnet		Update on #JavaOnRaspberryPi and Pi4J	Introducing Helios Micokernel ⤵						
13:15				prplMesh: open source Wi-Fi mesh	Write Once, Run Anywhere... Well, What About Heterogeneous Hardware?		Welcome to the Haskel...	Welcome to the Nix an...	Welcome to the Transl...	7 things I learned about old computers, via emulation	Using new Generated Invisible Primary Key feature in MySQL 8.0	W3C RTC Working Group Update
			Keyoxide: verifying online identity with cryptography				A quick overview of the Haskell tooling	I am excited about NixOS, I want to tell you why!	Translate All The Things!			
13:30												Media Streaming Mesh ⤵
			gallia: An Extendable...	The Next Frontier in ...			Hackathon HaskellKatas style ⤵	Pitfalls of Nix and how to overcome them ...		Pushing the PSP ⤵	Deep Dive into MySQL ...	

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09:00		Self-Hosting (Almost) All The Way Down	(Keynote) What could go wrong? Me, I was	Tour de Data Types: VARCHAR2 or CHAR(255)?	Hardening Kernel Subsystems by Architectural Capabilities		Monitoring and Observ...	Welcome to Testing an...	Welcome to the SBOM d...	Welcome to the Commun...	Why we ditched JavaScript for Kotlin/JS	Efficiently exploit HPC resources in scientific analysis and visualization with ParaView
09:15	CANCELLED GRUB - Project Status Update						Monitor your databases with Open Source tools	Linux Kernel Functional Testing	Generating SBOM made easy with ORT	Building External Evangelists		
09:30		QtRVSim—Education from Assembly to Pipeline, Cache Performance, and C Level Programming			Pulse-Width-Modulation (PWM) is easy, isn't it?			Growing a lab for automated upstream testing: challenges and lessons learned	Understanding and Managing the Dependency in SBOM with the New Feature of SW360		Doom on the browser thanks to WebAssembly and .Net	Simplifying the creation of Slurm client environments
09:45	Open Source Firmware status on AMD platforms 2023 - 4th edition						Observability in Postgres			What I learned about leading a healthy project from speaking to 50+ maintainers		
10:00			Automating a rolling binary release for Spack	How to Give Your Postgres Blog Posts an Outsize Impact	Hybrid Networking Stack Demo	MIPI cameras / libcamera BoF		Introducing Vegvisir: An automation framework for testing QUIC application logic	AMENDMENT: SBOM with the Yocto Project for Automotive Grade L...		Controlling the web with a PS5 controller	Troika: Submit, monitor, and interrupt jobs on any HPC system with the same interface
10:15	Heads - status update!	Porting RISC-V to GNU Guix							AMENDMENT: Automated SBoM generation with OpenEmbedded and the Yocto Project	Cultural Relativism		
10:30			Automation for Debian Packaging		meta netdevices		Application Monitoring with Grafana and OpenTelemetry	Observability-driven development with OpenTelemetry			Finite state machine (and some retrogaming)	Self-service Kubernetes Platforms with RDMA on OpenStack
10:45									Hermine: converting SBOMS into legal obligations	Contributor Experience 201		
11:00	Overview of Secure Boot state in the ARM-based SoCs	Linux on RISC-V	Upstream Collaboration and Linux Distributions Collaboration - Is that excluded?	When it all GOes right	MPTCP in the upstream kernel	NLnet office hour	Practical introduction to OpenTelemetry tracing	Setting up OpenQA testing for GNOME			Javascript for Privacy-Protecting Peer-to-Peer Applications	How to deal with validation as an HPC software?
11:15									A standard BOM for Siemens	Free Culture CV		
11:30	Trustworthy Platform Module	How to add an GCC builtin to the RISC-V compiler	AMENDMENT Linux Distributions' State of Gaming		Graphing tools for scheduler tracing			Console Automation with Termie			Strong Dynamic Type Checking for JavaScript	LOFAR: FOSS HPC across 2000 kilometers
11:45							Exploring the power of OpenTelemetry on Kubernetes	Fear the mutants. Love the mutants.	FOSSology and SPDX			
12:00			Building a Web UI for the Fedora installer	AMENDMENT The Human Factor: Why Database teams Need Crew Resource Management	Walking native stacks in BPF without frame pointers	Secure Scuttlebutt Meeting			Build recorder: a system to capture detailed information	Uncover the Missing Link	Secure by accident	HPC Container Conformance
12:15	Semihosting U-Boot	Bringing up the OpenHW Group RISC-V tool chains										The LDBC benchmark suite
12:30			How we build and maintain Kairos		composefs		Observe your API with an API Gateway Plugins		Discussion on SBOM contents	Just A Community Minute	The problems you will have when creating a plugins system for your shiny UI project	Multiple Double Arithmetic on Graphics Pr...
12:45												Overengineering an ML pet project to lear...
13:00		We need a Let's Encrypt movement for Confidential Computing	CentOS Stream	Bulk Inserts With PostgreSQL: Four Methods For Efficient Data Loading ⤵	EROFS filesystem update and its future			Penpot official launch!	Using SPDX for functional safety		Is it time to migrate to Vue 3?	Reproducibility and performance: why choo... / LIBRSB: Universal Sparse BLAS Library
13:15							Adopting continuous-profiling: Understand how your code utilizes cpu/memory					
13:30		LSKV: Democratising Confidential Computing from the Core ⤵	How to package BPF software for Linux distributions ⤵		Having Something To Hide ⤵			Value driven design ⤵	REUSE	Nurturing, Motivating and Recognizing Non-Code Contributions ⤵	In the loop ⤵	numba-mpi ⤵

	UD2.218A	D.test (online)	D.collab (online)	D.confidential (onlin...	D.emulator (online)	D.energy (online)	D.matrix (online)	D.minimalistic (onlin...	D.research (online)	D.sds (online)	I.Infodesk (online)
09:00	An introduction to async programming							Reviving Reverse Polish Lisp			The Virtual FOSDEM Infodesk (Sunday) ↳
09:15											
09:30	Accelerating object serialization by using constraints							An Introduction to Guix Home			
09:45											
10:00	pip install malware							Literate Storytelling: Interpreting Syntaxes for Explorers			
10:15											
10:30	Building a Semantic Search Application in Python, Using Haystack		Conquering tribal knowledge with Grav					tissue—the minimalist git+plain text issue tracker			
10:45											
11:00	How to build an event-driven application in Python		Creating a content pipeline with Antora								
11:15											
11:30											
11:45			Tribe - a content structuring and collaborative framework								
12:00	An introduction to MicroPython		Open Source Collaboration Tools for Alfresco								
12:15											
12:30											
12:45			Tackling document collaboration challenges in 2023								
13:00	AMENDMENT Code reloading techniques in Python						Introduction to the Synapse Kubernetes Operator				
13:15											
13:30	Realtime 3D Graphics on a MicroPython ESP32 ↳						Join Matrix HQ room in a snap ↳				

Time	Janson	K.1.105 (La Fontaine)...	H.2215 (Ferrer)	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2214	AW1.120	AW1.126	K.3.201	K.3.401
13:45	↳ Podcasting 2.0: it'...	↳ The Open Source Bus...	↳ gallia: An Extendable Pentesting Framew...	Service MESH without the MESS	↳ The Next Frontier in Open Source Java Compilers: Just-In-Ti...	↳ Introducing Helios Micokernel	↳ Hackathon HaskellKatas style	↳ Pitfalls of Nix and how to overcome the...		↳ Pushing the PSP	↳ Deep Dive into MySQL Query Performance	↳ Media Streaming Mes...
14:00	Decentralized Social Media with Hachyderm	Starting an Open Source Startup	Jubako, a new generic container format		Afraid Of Java Cold Starts In Serverless? Fear Not, Java Is Super Fast!	Unikraft Weather Report		Make Anyone Use Nix	Bringing your project closer to users – translating libre with Weblate			Modernizing Authentication and Authorization in XMPP
14:15			Self-hosting for non-coders?	MetalLB and FRR: a match made in heaven		Building a Linux-compatible Unikernel		Nixel: a nicer way to write your Nix expressions			Online schema change at scale in TiDB	OpenSIPS 3.3 – Messaging in the IMS and U...
14:30			Libre-SOC: From architecture and simulation to test silicon, ...		FireCRaCer: The Best Of Both Worlds		Web application architecture in Haskell with flora.pm	Playing with Nix in adverse HPC environments	20 years with Gettext	An introduction into AMD/Xilinx libsystemctlm-soc		Build your own Real Time Billing using CG...
14:45				Decentralized Storage with IPFS							Life of a Query in Vitess	Performance optimization for VoIP service...
15:00	Running a Hybrid Event with Open Source	Clear skies, no clouds in sight. Running a 14 person company on only free software.	Get Started with Open Source Formal Verification		Classics Never Get Old: Two Easy Pieces For GraalVM	Hardware acceleration for Unikernels		Contracts for free! devenv.sh - Fast, Declarative, Reproducible, and Composable Developer Environments		Emulator development in Java		Social audio applications with Janus
15:15			NGI Search and OpenWebSearch.EU projects	CNI Automagic: Device discovery for semantic network attachment in Kubernetes	AsyncGetStackTrace: The Improved Version Of AsyncGetCallTrace (JEP 435)		On the path of better interoperability with Rust!	The Haskell Security ...	Building an atractive way in an old infra for new translators		On the road to managed databases	P10K: getting 10000 participants into a J... Edge observability for RTC apps
15:30								The Nix package manager development process		OpenCSD, simple and intuitive computational storage emulation with QEMU and eBPF		Quantitative Analysis of Open Source WebRTC Developer Trends
15:45			FOSDEM infrastructure review	Golden Signals with Cilium and Grafana	Quarkus 101: Intro To Java Development With Quarkus			Runix			Lower your isolation level with ProxySQL	Secure payments over VoIP calls in the cloud
16:00	Matrix 2.0	The End of Free Software				A Rust-Based, modular Unikernel for MicroVMs	2D animations in Haskell using gloss, lens and state	P4 in Nix	Managing KDE's translation project	Understanding the Bull GAMMA 3 first generation computer through emulation		Interoperable Chat, Dutch Healthcare and the Digital Markets Act
16:15				Need to connect your k8s pods to multiple networks? No problem [with calico/vpp]!	Modernizing Legacy Messaging System with Apache Pulsar			Towards Secure Boot for NixOS			Extending MySQL with component infrastructure	
16:30						Loupe: Designing Application-driven Compatibility Layers in Custom Operating Systems	Open-Source Opportunities with the Haskell Foundation		Translating documentation with cloud tools and scripts	I made a GameBoy emulator to learn about computers. And now I work with them...		Real-time audio/video conferences in Linphone thanks to a modern SFU server
16:45					Fuzion — Intro for Java Developers: Mapping Java's Features to Simpler Mechanisms			A success story of adopting Nix at a workplace			Extended observability to agentless monitoring on MySQL using ProcFS UDF plugin	Scaling Open Source Realtime Messaging System for Millions
17:00	Open Source Software at NASA						Acknowledgements, *pr...					
17:15												
17:30												
17:45		Closing FOSDEM 2023										
18:00												
18:15												

	K.4.201	K.4.601	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)	UB2.147	UB2.252A (Lameere)	UB4.132	UB4.136	UB5.132	UB5.230	UD2.120 (Chavanne)
13:45		↳ LSKV: Democratising... / Keeping safety-critical programs alive when Linux isn't able to	↳ How to package BPF software for Linux d...	↳ Bulk Inserts With P...	↳ Having Something To Hide		Loki: Logging, but make it cloud native	↳ Value driven design	A complete compliance toolchain for Yocto projects	↳ Nurturing, Motivating and Recognizing Non-Code Contributions	↳ In the loop	↳ numba-mpi
14:00			From Linux to Cloud to Edge and beyond: Evolution of women contributors in distros & FOSS	DBA Evolution (the Changing Role of the Database Administrator)	Rust in the Kernel (via eBPF)	Pwndbg: a GDB plugin for reverse engineering and binary exploitation		Donation Page Design	In SBOMs We Trust: How Accurate, Complete, and Actionable Are They?	If it's public money, make it public code!	jxr in /engine/ - coding in WebXR on a plane	Running MPI applications on Toro unikernel
14:15		Open Source Confidential Computing with RISC-V										
14:30			Fixing Year 2038		Optimizing BPF hashmap and friends		The O11y toolkit	Creative Freedom Summit Retrospective	The 7 key ingredients of a great SBOM	Contributor Growth Strategies for OSS Projects	Visualize the NPM dependencies city ecosystem of your node project in VR	MUST: Compiler-aided MPI correctness checking with TypeART
14:45		Introduction to Secure Execution for s390x										
15:00			Creating and distributing debug packages	Deep Dive Into Query Performance	eBPF loader deep dive			Accessibility & Open Source	Panel discussion: SBOM content, usefulness, and caveats		Micro-frontends in React	Link-time Call Graph Analysis to facilitate user-guided program instrumentation
15:15							Inspektor Gadget: An eBPF Based Tool to Observe Containers			Centering DEI Within Your Open Source Project		
15:30		Tilting a Pyramid	KDLP: Kernel Development Learning Pipeline		Hacking the Linux Kernel to get moar FPS			A11y: EAA, WCAG, WAI, ARIA, WTF? – it's for the people stupid!			Managing customization in UI library	How the Spack package manager tames the stat storm
15:45							Best Practices for Operators Monitoring and Observability in Operator SDK			Building Open Source Teams		
16:00		Salmiac: Running unmodified container images in Nitro Enclaves	AMENDMENT KubeOS: Container OS based on OpenEuler	Don't Do This	Don't blame devres - devm_kzalloc() is not harmful			Building a UX Research toolkit			A practical approach to build an open and evolvable Digital Experience Platform (DXP)	Keeping the HPC ecosystem working with Spack CI
16:15										Do we still need to have virtual events?		
16:30		Autonomous Confidential Kubernetes	Homebrew: What's Happened and What's Next		Rethinking device support for the long-term		Lightning Talks	Practical UX at OpenProject	General Q&A on SBOMs		Using the Firefox Profiler for web performance analysis	Developing effective testing pipelines for HPC applications
16:45												
		Devroom closing and g...	Distributions: Closin...						SBOM devroom closing	Community Closing rem...		
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13:45	↳ Realtime 3D Graphics on a MicroPython ESP32						↳ Join Matrix HQ room in a snap				↳ The Virtual FOSDEM Infodesk (Sunday)
14:00	Simple, open, music recommendations with Python						Cascaded Foci (SFUs)				
14:15											
14:30	DuckDB: Bringing analytical SQL directly to your Python shell.						Building a social app on top of Matrix				
14:45											
15:00	Continuous Documentation for Your Code						Decentralizing moderation				
15:15											
15:30	Talk to DBus from a Python application										
15:45											
16:00	Python Logging Like Your Job Depends on It										
16:15											
16:30	Will PyScript replace Django?										
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