

**SEE YOU NEXT YEAR**

**BRUSSELS 3 FEBRUARY - 4 FEBRUARY**

**SUNDAY**



**FOSDEM**<sup>18</sup>.org

# SUNDAY 4 FEBRUARY - FIRST PART

FOSDEM 18.org

# SUNDAY 4 FEBRUARY - SECOND PART

FOSDEM 18.org

		09:00 - 10:00			10:00 - 11:00			11:00 - 12:00			12:00 - 13:00			13:00 - 14:00			14:00 - 15:00			15:00 - 16:00			16:00 - 17:00			17:00 - 18:00			18:00 - 19:00			
Janson					Sancus 2.0: Open-Source Trusted Computing for the IoT Jan Tobias Muehlberg 10:00-10:50			Using TPM 2.0 As a Secure Keystore on your Laptop It's not as difficult as you think! James Bottomley 11:00-11:50			Data integrity protection with cryptsetup tools Milan Broz 12:00-12:50			Inside Monero - The world's first fungible cryptocurrency Howard Chu 13:00-13:50			Security Theatre The (mostly) unknown OSI Layer 8 Markus Feilner 14:00-14:50			SatNOGS: Crowd-sourced satellite operations Satellite Open Source Ground Station Network Nikos Roussos 15:00-15:50			The story of UPSat Building the first open source software and hardware satellite Pierros Papadeas 16:00-16:50			The Spectre of CPU Meltdown: Trade-offs between performance and security Jon Masters 17:00-17:50			Closing FOSDEM 2018			Janson
K.1.105 La Fontaine					Cyborg Teams Training machines to be Open Source contributors Stef Walter 10:00-10:50			Running Android on the Mainline Graphics Stack Robert Foss 11:00-11:50			Re-structuring a giant, ancient code-base for new platforms - Making LibreOffice work well everywhere Michael Meeks 12:00-12:50			OpenADx - xcelerate your Automated Driving development Lars Geyer-Blaumeiser 13:00-13:50			Why I forked my own project and my own company ownCloud to Nextcloud Frank Karlitschek 14:00-14:50			Sustainability of Open Source in International Development A new approach from the United Nations Foundation Michael Downey 15:00-15:50			Love What You Do, Everyday! Zaheda Borhat 16:00-16:50						K.1.105 La Fontaine			
H.2215 Lightning talks					*1 Martin Bähr 10:00-10:15	*2 Michael Pad-don 10:20-10:35	*3 Hisham Muhammad 10:40-10:55	*4 Tom Marechal 11:00-11:15	*5 Cyril Hrubis 11:20-11:35	*6 Michal Bielicki 11:40-11:55	*7 J.M Gonzalez-Bahona 12:00-12:15	*8 Valerio Cosen-tino 12:20-12:35	*9 Sanja Bonic 12:40-12:55	*10 Ro-drigo Osorio 13:00-13:15	*11 Gor-don Haff 13:20-13:35	*12 Marc André Tanner 13:40-13:55	*13 Oleg Bart-unov 14:00-14:15	*14 Rik Lem-pens 14:20-14:35	*15 Philipp Krenn 14:40-14:55	*16 Jakob Buch-graber 15:00-15:15	*17 Cor-nelius Kölbel 15:20-15:35	*18 Marc Chant-reux 15:40-15:55	*19 Carst-en Thiel 16:00-16:15	*20 Diego Pino 16:20-16:35	*21 Richard Hart-mann 16:40-16:55	H.2215 Lightning talks						
H.1301 Decen-tralised Internet & Privacy	Intro-duction to the decen-tralized internet part T.Nitot 09:00-09:15	Can we measure the (de)centrat-lisedness of the Internet with RIPE Atlas? E.Aben 09:15-09:30	Get your decentralized project some EU funding hellekin (how) 09:30-10:00	Urban places as nodes of a decentralized Internet Panayotis Antoniadis 10:00-10:30	The Generic Data Distribution System of the Retrosahre Network Cyril Soler 10:30-11:00	Ring as a free universal distributed communication platform Sébastien Blin 11:00-11:30	Building Decentralised Communities with Matrix Matthew Hodgson 11:30-12:00	The emPeerTube strikes back Luc Didry (Framasky) 12:00-12:30	Contributopia De-google-ifying is not enough Christophe Lafon-Roudier (Pouhiou) 12:30-13:00	Peeling onions: understand-ing and using the Tor network Silvia Puglisi (Hiro) 13:00-13:25	Anonymous Whistle-blowing with SecureDrop Jennifer Helsby (redshiftzero) 13:30-13:55					The Invisible Internet Project Andrew Savchenko 14:00-14:25	Encrypted communi-cation for mere mortals kwadronaut 14:30-14:55	Improving the SecureDrop system architecture Eric Hartsuyker 15:00-15:25	Measuring security and privacy on the Web Tobias Mueller 15:30-15:55	CryptPad - Encrypted collaborative editing without trusting the server C.J.DeLisle 16:00-16:25	Servers can't be trusted, and thanks to tamper-proof journals EteSync doesn't need to! T. Hacohen 16:30-16:55				H.1301 Decen-tralised Internet & Privacy							
H.1302 HPC, Big Data and Data Science	Installing software for scientists on a multi-user HPC system Kenneth Hoste 09:00-09:25	Binary packaging for HPC with Spack Todd Gamblin 09:30-09:55	Tying software deployment to scientific workflows Ludovic Courtès 10:00-10:25	Combining CVMFS, Nix, Lmod, and EasyBuild at Compute Canada Bart Oldeman 10:30-10:55	Behind the scenes of a FOSS-powered HPC cluster at UCLouvain Damien François 11:00-11:25	How Deep-Learning can help to improve geospatial DataQuality, an OSM use case. Oliver Courtin 11:30-11:55	**1 Xavi-er Dela-ruelle 12:00-12:10	**2 Ak-mal Cha-udhri 12:10-12:20	**3 Tre-vor Grant 12:20-12:30	**4 Alex-ander Bez-zu bov 12:30-12:40	**5 Geo-rg Rath 12:30-12:40			The Julia programming language Bart Janssens 13:00-13:25	Does data security rule out high performance? Adam Huffman 13:30-13:55	CrateDB: A Search Engine or a Database? Both! Maximilian Michels 14:00-14:25	Scaling Deep Learning to hundreds of GPUs on HopsHadoop Fabio Buso 14:30-14:55	AI on Microcon-trollers - uTensor brings Deep-Learning to MCUs Neil Tan 15:00-15:25	Productioniz-ing Spark ML Pipelines with the Portable Format for Analytics Nick Pentreath 15:30-15:55	Accelerating Big Data Outside of the JVM Holden Karau 16:00-16:25	Nexmark A unified bench-marking suite for data-inten-sive systems with Apache Beam Ismaël Mejía 16:30-16:55				H.1302 HPC, Big Data and Data Science							

\*1. Let's Fix The Internet | \*2. Regular Expression Derivatives in Python | \*3. Adding performance counters to htop | \*4. Emitter: Scalable, fast and secure pub/sub in Go | \*5. Linux Test Project introduction | \*6. LizardFS and OpenNebula, a petabyte cloud the simple way | \*7. GrimoireLab: free software for software development analytics | \*8. Perceval: Software Project Data at Your Will | \*9. Are distributions still relevant? | \*10. FreeBSD : pkg provides | \*11. Wrap it Up! Packaging from Pots to Software | \*12. Vis Editor | \*13. Viva, the NoSQL Postgres ! | \*14. SiriDB - Time Series Database | \*15. NoSQL Means No Security? | \*16. Your Build in a Datacenter | \*17. Enroll

2FA to thousands of users with privacyIDEA | \*18. The future of Sympa | \*19. Static Infrastructure Status with Jekyll and GitHub Pages | \*20. Snabb - A toolkit for user-space networking | \*21. FOSDEM Infrastructure Review  
\*\*1. Modules v4 | \*\*2. Scale Out and Conquer: Architectural Decisions Behind Distributed In-Memory Systems | \*\*3. The Magnificent Modular Mahout | \*\*4. Tools for large-scale collection and analysis of source code repositories  
\*\*5. Slurm in Action: Batch Processing for the 21st Century

# SUNDAY 4 FEBRUARY - FIRST PART

**FOSDEM** <sup>18</sup>.org

# SUNDAY 4 FEBRUARY - SECOND PART

**FOSDEM** <sup>18</sup>.org

	09:00 - 10:00		10:00 - 11:00		11:00 - 12:00		12:00 - 13:00		13:00 - 14:00					
H.1308 MySQL and Friends		The MySQL Ecosystem - understanding it, not running away from it! Colin Charles 09:10-09:35	Beyond WHERE and GROUP BY Sergei Golubchik 09:40-10:05	MySQL 8.0 Performance: InnoDB Re-Design Dimitri Kravtchuk 10:10-10:35	MySQL 8.0 Roles Giuseppe Maxia 10:40-11:05	Histogram support in MySQL 8.0 Øystein Grøvlen 11:10-11:35	Let's talk database optimizers Vicentiu Ciorbaru 11:40-11:05	TLS for MySQL at large scale Jaime Crespo 12:10-12:35	MySQL InnoDB Cluster Miguel Araújo 12:40-13:05	Experiences with testing dev MySQL versions and why it's good for you S. J. Mudd 13:10-13:35	MySQL Test Framework for Support and Bugs Work Sveta Smirnova 13:40-14:05			
H.1309 Real Time Communications (RTC)	Build your own Skype... in the browser Steven Goodwin 09:00-09:20	Writing a Janus plugin in Lua L. Miniero 09:25-09:40	XMPP as the road to innovation Bartłomiej Górny 09:45-10:05	Kamailio - Pick Your SIP Routing Scripting Language D.C. Mierla 10:10-10:30	Asterisk Project: Do I see video in the future? M. Fredrickson 10:35-10:50	Speech-to-Text in Jitsi Meet Nik Vaessen 10:55-11:10	webPH.one - connect community cellular network using WebRTC and PWA S. Sayer 11:15-11:35	Kids and Schools and Instant Messaging Dominik George / Niels Hradek 11:40-12:00	OpenDHT: make your project distributed Adrien Beraud 12:05-12:25	Open communication in WebVR with Matrix! Matthew Hodgson 12:30-12:50	Scaling messaging systems Michał Piotrowski 12:55-13:15	aiosip: the efficient swiss-army knife of SIP Ludovic Gasc 13:20-13:40	Building a WebRTC gateway J. Chavant 13:45-14:05	
H.2213 Software Defined Storage	Introduction to Swift Object Storage - Understanding the architecture and use cases Thiago da Silva 09:00-09:40		Gluster-4.0 and GD2 - Learn what's in Gluster's future Kaushal M 09:45-10:25		LizardFS - a year in development Michal Bielicki 10:30-11:10		Geographically distributed Swift clusters Alistair Coles 11:15-11:55		Container Attached Storage (CAS) with OpenEBS - A different approach to container storage Jeffry Molanus 12:00-12:40		Debugging A Live Gluster File System Using .meta Directory Rafi KC 12:45-13:10		Ceph management with openATTIC Kai Wagner 13:15-13:55	
H.2214 Rust	Why you should take a look at Rust? Antonin Carrette 09:00-09:25	Idiomatic Rust Matthias Endler 09:30-09:55	Rust memory management Zeeshan Ali 10:00-10:25		Introducing gtk-rs - Making the unsafe safe G. Gomez 10:35-10:55	GStreamer & Rust - Fast, safe and productive multimedia software Sebastian Dröge 11:00-11:25	Introducing rust-av - A pure-Rust approach to multimedia Luca Barbato 11:30-11:55	Portable graphics abstraction in Rust Dzmityry Malyshau / Markus Siglreithmaier 12:00-12:25	Rusty robots Jorge Aparicio Rivera 12:30-12:55	TiKV - building a distributed key-value store with Rust 13:00-13:25	Qt GUIs with Rust - Rust Qt Binding Generator Jos van den Oever 13:30-13:55			
H.3227	Blockchain developers meet&greet Martin Bähr 14:00-15:00													

	14:00 - 15:00		15:00 - 16:00		16:00 - 17:00		17:00 - 18:00		18:00 - 19:00	
H.1308 MySQL and Friends		Instant ADD COLUMN for InnoDB in MariaDB 10.3+ Valerii Kravchuk 14:10-14:35	Turbocharging MySQL with Vitess Sugu Sougoumarane 14:40-15:05	Orchestrator on Raft: internals, benefits and considerations Shlomi Noac 15:10-15:35	MyRocks roadmaps and production deployment at Facebook Y. Matsunobu 15:40-16:05	ProxySQL's internal: implementation details to handle millions of connections and thousands of servers René Cannaò 16:10-16:35	MySQL Point-in-time recovery like a rockstar! Frédéric Descamps 16:35-17:00			H.1308 MySQL and Friends
H.1309 Real Time Communications (RTC)	Whisper and Swarm Protocol for RTC Nick (ethereumnick) 14:10-14:30	The RTP bleed and what can we do? Peter Lemenkov 14:35-14:55	Real Time Clustering with OpenSIPS R. Crainea / L. Chircu 15:00-15:15	HO-MER 7 Lorenzo Mangani 15:20-15:35	Using CGRATES as online Diameter/RADIUS Server D.C. Bogos 15:40-15:55	SIP based group chat with Linphone Simon Morlat 16:00-16:20	Fundraising and Crowdfunding for FreeRTC Daniel Pocock 16:25-16:45			H.1309 Real Time Communications (RTC)
H.2213 Software Defined Storage	Developing applications with Swift as Storage System Christian Schwede 14:00-14:40		Ceph & ELK Abhishek Lekshmanan / Denys Kondratenko 14:45-15:10		CephFS Gateways David Disseldorp / Supriti Singh 15:15-15:55		How to backup Ceph at scale Bartłomiej Świącki 16:00-16:40		Reasons to migrate from NFSV3 to NFS-V4/4.1 M. Saini 16:45-17:00	
H.2214 Rust	Writing Node.js Modules in Rust - An introduction to Neon Farid Nouri Neshat 14:00-14:25	Demystifying Rust parsing Nikita Baksalyar 14:30-14:55	rustfix ...and the journey to getting better code automatically Pascal Hertleif 15:00-15:25	Reaching const evaluation singularity Oliver Schneider 15:30-15:55	Rust - embedding WebAssembly for scripting Frank Rehberger 16:00-16:25	Testing in Rust - A Primer in Testing and Mocking Donald Whyte 16:30-16:55				H.2214 Rust
H.3227	Blockchain developers meet&greet Martin Bähr 14:00-15:00									

# SUNDAY 4 FEBRUARY - FIRST PART

FOSDEM <sup>18</sup>.org

# SUNDAY 4 FEBRUARY - SECOND PART

FOSDEM <sup>18</sup>.org

	09:00 - 10:00		10:00 - 11:00		11:00 - 12:00		12:00 - 13:00		13:00 - 14:00		
AW1.120 Software Defined Radio	Intro to the SDR Devroom P.Balister / M.Braun / S. Munaut 09:00-09:15	Recapping DARPA's First Big Hackfest Tom Rondeau 09:15-09:45	(Yet another) passive RADAR using DVB-T receiver and SDR. Jean-Michel Friedt 09:45-10:15	In the SpOOTlight: gr-radar - Measuring EM backscatter, free and easy Martin Braun 10:15-10:45	Efficient implementation of a spectrum scanner on a software-defined radio platform Francois Qutin 10:45-11:15	An optimized GFDM software implementation for low-latency Marcus Müller / Johannes Demel 11:15-11:45	DLR-CA-FE: CUDA Filterbank Updates Jan Krämer 11:45-12:10	Physics, Math, and SDR Recognize, measure, and correct the inevitable Derek Kozel 12:15-12:45	Stupid Pluto Tricks Real world things you can do with a PlutoSDR Robin Getz 12:45-13:15	The GNU Radio runtime - Reinventing a very fast wheel Andrej Rode 13:15-13:45	C++ Code Generation with GRC Håkon Vågsether
AW1.121 DNS   Retro-computing	Zone-master Sandoche Balakrichenan 09:00-09:20	Repairing DNS at TLD scale Petr Černohouz 09:25-09:45	BIND 9 Past, Present, and Future Ondřej Surý 09:50-10:10	Blame (and) DNS: debugging tutorial Petr Špaček 10:15-10:45	Living on the Edge Willem Toorop 10:50-11:10	DNS-SEC for higher performance Petr Špaček 11:15-11:30	Melting the Snow Olivier van der Toorn 11:35-12:00	DNS privacy, where are we? Stéphane Bortzmeyer 12:05-12:35	DNS-based discovery for OpenID Connect. M.S Grosson 12:40-12:55	Welcome	DOSEMU and FreeDOS: past, present and future Bart Oldeman 13:30-14:00
AW1.125 Internet of Things	Turning On the Lights with Home Assistant and MQTT Leon Anavi 09:50-10:15		Accessing your Mbed device from anywhere using Pagekite Bert Outtier 10:25-10:50	Home automation - Not as simple as you think Steven Goodwin 11:05-11:30	Mirai and Computer Vision Michael Schloh von Bennewitz 11:45-12:10	The IoT botnet wars, Linux devices, and the absence of basic security hardening GregDiStefano 12:25-12:50	A Guided Tour of Eclipse IoT: 3 Software Stacks for IoT Benjamin Cabé 13:05-13:30	Tizen: RT Philippe Coval 13:45-14:10			
AW1.126 Geospatial	Join the FREE-WAT family Pieter Jan Haest 09:05-09:30	Bicycle-sharing stations: profiling and availability prediction Raphaël Delhome 09:30-10:00	Blink Raster: A C++ library for Map Algebra Alex Hagen-Zanker 10:00-10:30	GDAL Tips and Tricks Jeremy Mayeres 10:30-11:00	GRASS GIS in the sky Markus Neteler / Moritz Lennert Markus Metz 11:00-11:30	GeoPandas: easy, fast and scalable geospatial analysis in Python Joris Van den Bossche 11:30-12:00	Open source Big Geospatial Data analytics Marc Vloemans 12:00-12:30	Spatial Support in MySQL 8.0 Norvald H. Ryeng 12:30-13:00	Distance computation in Boost. Geometry Vissarion Fysikopoulos 13:00-13:30	Building Rock Climbing Maps with OpenStreetMap Viet Nguyen 13:30-14:00	
K.3.201 Distributions	Managing build infrastructure of a Debian derivative A.Shadura 09:00-09:25	GRUB upstream and distros cooperation Daniel Kiper 09:30-09:55	Distributions are not democracies and that's okay Richard Brown 10:00-10:55	Developing Enterprise and Community distributions at the same time, impossible? openSUSE / SUSE example: Tumbleweed / Leap and SLE Frederic Crozat 11:00-11:55	Introducing BuildStream A distribution agnostic build tool Tristan Van Berkomp 12:00-12:50	Flatpak and your distribution Simon McVittie 13:00-13:25	Unix? Windows? Gentoo! POSIX? Win32? Native Portability to the max!				

	14:00 - 15:00		15:00 - 16:00		16:00 - 17:00		17:00 - 18:00		18:00 - 19:00	
AW1.120 Software Defined Radio	13:45 14:10	LoRa Reverse Engineering and AES EM Side-Channel Attacks using SDR Pieter Robyns 14:15-15:00	Intro to Open Source Radio Telescopes Martin Braun / Sue Ann Heatherly 15:00-15:30	Free your Weather Station! Ray Kinsella 15:30-15:50	Claim Space, the Libre Way, using SDRs Manolis Surligas 16:00-16:30	BYOR: Bring-your-own-radio hacking session Martin Braun 16:30-17:00				
AW1.121 DNS   Retro-computing	Developing software on ORIC microcomputers François Revol 14:05-14:35	Retro-uC Staf Verhaegen 14:40-15:10	NetBSD - A modern operating system for your retro battlestation Sevan Janiyan 15:15-15:45	Game development for the ColecoVision and Sega 8-bit systems Philipp Klaus Krause 15:50-16:20	ZX Spectrum in the New Millenium Rui Martins 16:25-16:55					
AW1.125 Internet of Things	FOSS Platform for Cloud Based IoT Solutions Steffen Evers 14:25-14:50	IoT.js - A JavaScript platform for the Internet of Things Ziran Sun 15:05-15:30	The dark side of Internet of things Dipesh Monga 15:45-16:10	OSS-7: an opensource DASH7 stack Glenn Ergeerts 16:25-16:50						
AW1.126 Geospatial	Building OSM based web app from scratch Nils Vierus 14:00-14:30	Privacy aware city navigation with CityZen app Redon Skikuli 14:30-15:00	Every subway network in the world Ilya Zverev 15:00-15:30	Rendering map data with Mapnik and Python Hartmut Holzgraefe 15:30-16:00	Efficient and interactive 3D point cloud processing Mathieu Carette 16:00-16:30					
K.3.201 Distributions	Michael Hauben wallner 13:30-14:25	Distributing OS Images with casync Lennart Poettering 14:30-15:25	Fedora Modularity II - The rise, the fall, and the happy future Adam Samalik 15:30-16:25	The half rolling repository model N.Kolokotronis 16:30-16:45	*1 Marcel Holterbach 16:50-17:00					

\*1. Spawny: A different approach on logging in

# SUNDAY 4 FEBRUARY - FIRST PART

**FOSDEM**<sup>18</sup>.org

# SUNDAY 4 FEBRUARY - SECOND PART

**FOSDEM**<sup>18</sup>.org

	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00		14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00						
K.3.401	Introduction to LLVM Building simple program analysis tools and instrumentation <b>09:00-10:30</b>		Connecting LLVM with a WCET tool <b>10:35-11:05</b>	Compiler-assisted Security Enhancement Paolo Savini <b>11:20-12:00</b>	Efficient use of memory by reducing size of AST dumps in cross file analysis by clang static analyzer. Siddharth Shankar Swain <b>12:05-12:45</b>	LLVM, Rust, and Debugging Tom Tromey <b>12:50-13:30</b>	Heterogeneous Computing with D Kai Nacke <b>13:35-14:15</b>		LLVM @RaincodeLabs Johan Fabry <b>14:20-15:00</b>	How to cross-compile with LLVM based tools Peter Smith <b>15:05-15:45</b>	*1 *2 *3	A unique processor architecture meeting LLVM IR and the IoT Dávid Juhász <b>16:20-17:00</b>	K.3.401				
K.4.201	Welcome & Chatting V.Bondarchuk 09:30-09:55	Usability made simple Renata Gegaj 10:00-10:20	A crash course on remote, moderated usability testing S.O'Donnell 10:30-10:50	So we have free web fonts; now what? Nathan Willis 11:00-11:20	Self-host your visual assets with Free Software Elio Qoshi 11:30-11:50	Our Open Source Design collective J.C Borchardt 12:00-12:20	Improving GitLab's Navigation and Design System Dimitrie Hoekstra 12:30-12:50	Cultural interpretations of Design and Openness Carol Chen 13:00-13:20	Ecosystems of Professional Libre Graphics Use ginger coons 13:30-13:50	Icon Themes Ecaterina Moraru 14:00-14:20	Interface Animation from the Future Tobias Bernard 14:30-14:50	The case against "It just works" or how to avoid #idocracy Michael Demetriou 15:00-15:20	The Open Decision Framework Damien Clochard 15:30-15:50	Teleport: Local file-sharing app Julian Sparber 16:00-16:20	Pitch your project Belen Barros Pena 16:30-16:50	K.4.201	
K.4.401	Programming UEFI for dummies Olivier Coursière <b>09:30-10:00</b>	Rustarm AKA A project looking at Rust for Embedded Systems Benedict Gaster (cuberoo_) <b>10:00-10:30</b>	Mainline Linux on Motorola Droid 4 Sebastian Reichel <b>10:30-11:00</b>	... like real computers! Andre Przywara <b>11:00-11:30</b>	Bootng it successfully for the first time with mainline Enric Balletbo Serra <b>11:30-12:00</b>	SITL bringup with the IIO framework Bandan Das <b>12:00-12:30</b>	What's new with FPGA manager Moritz Fischer <b>12:30-13:00</b>	Linux as an SPI Slave Geert Uytterhoeven <b>13:00-13:40</b>	Gnuk Token and GnuPG sdaemon Yutaka Niibe <b>13:40-14:00</b>	Improving Linux Laptop Battery Life Hans de Goede <b>14:00-14:30</b>	Adding support for a mouse in libratbag Thomas H. P. Andersen <b>14:30-15:00</b>	Thunderbolt 3 and Linux Christian Kellner (gicmo) <b>15:00-15:20</b>	Open Source BIOS at Scale Julien Viard de Galbert <b>15:20-15:40</b>	Automating Secure Boot testing Erico Nunes <b>15:40-16:00</b>	Using KVM to sandbox firmwares from the Linux Kernel Florent Revest <b>16:00-16:30</b>	Crowdsupply EOMA68 Progress Report L.K.C Leighton <b>16:30-16:50</b>	K.4.401
K.4.601	How Carton, Docker, and CircleCI Saved my Sanity Dylan Hardison 09:40-10:20	4 Perl web services I wrote and that you may like Luc Didry (Framasky) 10:20-11:00	Perl in the Physics Lab Andreas K. Huettel 11:00-11:40	Testing for testing Using CI in the classroom Juan Julián Merelo 11:40-12:20	Perl in Computer Music Uri Bruck 12:20-13:00	Template toolkit translations Mark Overmeer 13:00-13:20	Releasing to CPAN and GitHub Mark Overmeer 13:20-13:40	Perl 6 on Jupyter Brian Duggan 13:40-14:20	The Dynamo After Diffie James Ellis Osborne III 14:20-15:00	Presenting the Sympa Mailing List Manager and the new Sympatic CPAN module Marc Chantreux 15:00-15:40	Software necromancy with Perl Dave Lambley 15:40-16:20	Recycle Parsers With Grammar::Common in Perl 6 Jeffrey Goff 16:20-17:00	K.4.601				
UA2.114	Next Generation Config Mgmt: Reactive Systems James Shubin <b>09:00-09:50</b>	Provisioning vs Configuration Management Deployment vs Orchestration Peter Souter <b>10:00-10:50</b>	A decade of config surgery with Augea David Lutterkort <b>11:00-11:25</b>	Cockpit: A Linux Sysadmin Session in your Browser Stef Walter <b>11:30-11:55</b>	Terraform is maturing <b>12:00-12:25</b>	Breaking with conventional Configuration File Editing Markus Raab <b>12:30-12:55</b>	Painless Puppet Providers David Schmitt <b>13:00-13:25</b>	Cumin: Flexible and Reliable Automation for the Fleet R.Coccioli <b>13:30-13:55</b>	Highly Available Foreman - A presentation about Highly Available Foreman including common pitfalls and decisions you'll have to make. Sean O'Keefe <b>14:00-14:50</b>	Network Automation Journey A systems engineer NetOps perspective <b>15:00-15:50</b>	Zero Downtime Deployment with Ansible Stein Inge Morisbak <b>16:00-16:50</b>	UA2.114					

\*1. Easy::jit: just-in-time compilation for C++ | \*2. Literate Programming meets LLVM Passes | \*3. DragonFFI: Foreign Function Interface and JIT using Clang/LLVM



# SUNDAY 4 FEBRUARY - FIRST PART

FOSDEM <sup>18</sup>.org

# SUNDAY 4 FEBRUARY - SECOND PART

FOSDEM <sup>18</sup>.org

	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00					
UA 2.220 Legal and Policy Issues	*1 Capture the GDPR with Identity management Juraj Benculak 09:05-09:30	Artificial intelligence dealing with the right to be forgotten Cristina Rosu 09:30-09:55	Understanding 26 U.S.C. § 501, and Organizational Governance James Shubin 10:00-10:25	Researchers and software licenses - A disaster waiting to happen Andreas Schreiber 10:30-10:55	Comparative Law of Licenses and Contracts in the EU and US Pamela Chestek / Andrew Katz 11:00-11:25	Advocating For FOSS Inside Companies Richard Fontana / Jilayne Lovejoy / Max Sills / Carol Smith 11:30-11:55	A Usability Survey of Free Software Licenses Brett Smith 12:00-12:25	Outsourcing Source Code Distribution Requirements Stefano Zacchiroli / Alexios Zavras 12:30-12:55	Too young to rock'n'roll (and to contribute) Dominik George / Niels Hradek 13:00-13:25	Harmonize or Resist? A Global Survey of Strategies for Freedom and Free Software Deb Nicholson 13:30-13:55
UA 2.147	LPI Exam Session 3 LPI Team 09:00-11:30			LibreOffice Exam Session 1 LibreOffice Team 12:00-13:00		LibreOffice Exam Session 2				
UA2. 252A Embedded, mobile and automotive	Introduction to web development in C++ with Wt 4 Roel Standaert 10:00-10:30		How to build autonomous robot for less than 2K€ Miika Oja (PuluMan) 10:30-11:00	Drive your NAND within Linux Forget the word "nightmare" Miquèl Raynal 11:00-12:00	O'PAVES: An open platform for autonomous vehicle tinkers. Fabien Chouteau 12:00-12:30	Rapid SPI Device Driver Development over USB Stefan Schmidt 12:30-13:00	Implementing state-of-the-art U-Boot port, 2018 edition - How to port U-Boot to a new system using best practices. Marek Vasut 13:00-14:00			
UD2. 119 Source Code Analysis, Tool the Docs	Automating style-guides with DocumentJS F.Topcu 09:00-09:20	DocBook Documentation at SUSE Stefan Knorr 09:25-09:55	Test your API docs! Honza Javorek 10:00-10:20	Docs like code in Drupal Kitti Radovics 10:25-10:55	A lion, a head, and a dash of YAML Stephen Finucane 11:00-11:30	Mallard, Pintail, and other duck topics Shaun McCance 11:35-12:00	Finding a home for docs Jessica Parsons 12:05-12:30	Babelfish: a universal code parser for source code analysis 12:40-13:05	Migrating code with SmaCC John Brant 13:10-13:35	Moldable analysis with Moose Andrei Chis 13:40-14:05
UD2. 120 Containers	Welcome The State of Containers in Scientific Computing Georg Rath 09:10-09:30	Automated Linux Containers deployment for fun and profit. David Negreira 09:35-09:55	You want a Clean Desktop OS? Containerize it Sanja Bonic 10:00-10:25	Making Linux Security Modules available to Containers John Johansen 10:30-11:00	How to build and run OCI containers Spyros Trigazis 11:05-11:25	State of the rkt container runtime and its Kubernetes integration I.Lopez Galeiras 11:30-11:50	*2 File access-control per container with Landlock Mickaël Salaün 12:10-12:50	Introduction to LXD clustering E.Ekanayaka 12:55-13:15	containerd 1.0 Project Update Phil Estes 13:20-13:40	LTTng: The road to container awareness M.Jean-son 13:45-14:05
UD2. 218A Virtualisation and IaaS	Black Blocks: Kubernetes, meet OpenStack Cinder Adam Litke 09:00-09:45	Dragonflow - An open network services ecosystem Dima Kuznetsov 09:45-10:30	Live Block Device Operations in QEMU Kashyap Chamrathy 10:30-11:15	Kubernetes load balancing for virtual machines (Pods) Yanir Quinn 11:15-12:00	Device Assignment for VMs in Kubernetes Martin Polednik 12:00-12:45	Automate oVirt Disaster Recovery Solution With Ansible Maor Lipchuk 12:45-13:30	Vectors Meet Virtualization Alex Bennée 13:30-14:15			

\*1. Welcome to the Legal and Policy Issues devroom - Tom Marble | \*2. Turning physical systems into containers - Stéphane Graber

	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00	17:00 - 18:00	18:00 - 19:00		
UA 2.220 Legal and Policy Issues	People can't care when they don't know John Sullivan 14:00-14:25	Public money, public code, the Italian way Giovanni Battista Gallus / Fabio Pietrosanti 14:30-14:55	What's the difference between all those open data licenses? Marc Jones 15:00-15:25	The Future of Copyleft: Data and Theory Luis Villa 15:30-15:55	Gutenberg to Google Fonts: the sordid history of type-face licensing issues Nathan Willis 16:00-16:25	Organizer's Panel Tom Marble / Bradley M. Kuhn / Karen Sandler / Richard Fontana 16:30-16:55	
UA 2.147	LibreOffice Team 13:30-14:30	LibreOffice Exam Session 3 LibreOffice Team 15:00-16:00					
UA 2.252A Embedded, mobile and automotive	Image capture on embedded linux systems Jacopo Mondì 14:00-15:00	ARM64 + FPGA and much more: Linux on the Xilinx ZynqMP Opportunities and challenges from a powerful and complex chip Luca Ceresoli 15:00-16:00	New GPIO interface for linux userspace - GPIO character device API and libgpiod Bartosz Golaszewski 16:00-17:00				
UD2. 119 Source Code Analysis, Tool the Docs	Langkit: source code analyzers for the masses Raphaël Amiard 14:10-14:35	Finding inter-procedural bugs at scale with Infer static analyzer Jules Villard 14:40-15:00	Tree-sitter Max Brunfeldt 15:05-15:25	Parsing Posix [S] hell Yann Regis-Gianas 15:30-15:50	JavaParser: where should we head? Federico Tomassetti 15:55-16:15	Graph-based analysis of JavaScript repositories Adam Lippai 16:20-16:40	DIY Java Static Analysis N. Peru 16:45-16:55
UD2. 120 Containers	Kubernetes Security Best Practices 14:10-14:35	Forwarding system calls to userspace T.Andersen 14:40-15:00	Exploring container image distribution with casync A.Crequey 15:05-15:25	Optimized container live-migration C.Brauner / A.Reber 15:30-15:50	Everything you need to know about containers security 15:55-16:20	Containing container memory Mike Rapoport 16:25-16:45	
UD2. 218A Virtualisation and IaaS	Finding your way through the QEMU parameter jungle Thomas Huth 14:15-15:00	diskimage-builder: Building Linux Images for Cloud / Virtualization / Container Andreas Florath 15:00-15:45	Openstack compliance with GDPR Vincenzo Di Somma 15:45-16:30				