

Issues

#	Project	Tracker	Status	Priority	Subject	Author	Assignee	Target version
10912	Klever	Bug	New	High	EMG does not generate separate threads for manually specified functions	Evgeny Novikov	Ilja Zakharov	
10911	Klever	Bug	New	High	Do not return anything from void functions	Evgeny Novikov	Ilja Zakharov	
10958	Klever	Feature	New	High	Check translator restrictions and raise exceptions if necessary	Ilja Zakharov	Ilja Zakharov	
10948	Klever	Feature	New	High	Add means to add headers and declarations globally in EMG specifications	Ilja Zakharov	Ilja Zakharov	
10931	Klever	Bug	New	High	Fix entity names in intermediate environment model and EMG configuration	Evgeny Novikov	Ilja Zakharov	
10776	Klever	Bug	New	High	PM runtime model doesn't set runtime_status field	Ilja Zakharov	Ilja Zakharov	
10771	Klever	Bug	New	High	Fix support for module_platform_driver_probe()	Evgeny Novikov	Ilja Zakharov	
9394	Klever	Feature	Open	High	Support verification of built-in Linux kernel modules	Evgeny Novikov	Ilja Zakharov	
10745	Klever	Feature	New	High	Unclear EMG error messages	Pavel Andrianov	Ilja Zakharov	
10504	Klever	Bug	New	High	EMG does not initialize device variable	Pavel Andrianov	Ilja Zakharov	
10454	Klever	Feature	New	High	Implement a conditional choice of functions for an environment model	Ilja Zakharov	Ilja Zakharov	
9693	Klever	Feature	Open	High	Develop a new algorithm for generating fragments for Juliet test cases	Evgeny Novikov	Ilja Zakharov	
9714	Klever	Feature	New	High	Update preset jobs for production use	Ilja Zakharov	Ilja Zakharov	
9652	Klever	Bug	New	High	Schedulers initialize themselves 3 times	Evgeny Novikov	Ilja Zakharov	
9433	Klever	Bug	New	High	Incorrect error processing and misleading error message when there is not proper Java for CPAChecker	Evgeny Novikov	Ilja Zakharov	
9305	Klever	Feature	New	High	Provide a list of undefined and modelled functions for a fragment under verification	Ilja Zakharov	Ilja Zakharov	
9273	Klever	Feature	New	High	New translation mode for EMG	Pavel Andrianov	Ilja Zakharov	
9272	Klever	Feature	New	High	Main generation without info-requests	Pavel Andrianov	Ilja Zakharov	
9271	Klever	Feature	New	High	Main generation with information about sharedness of parameters	Pavel Andrianov	Ilja Zakharov	
8623	Klever	Bug	New	High	EMG does not relate registration of statically combined containers	Evgeny Novikov	Ilja Zakharov	
8088	Klever	Bug	New	High	Merge configurations properly	Evgeny Novikov	Ilja Zakharov	
9236	Klever	Feature	New	High	Get rid of option duplicates within rule specifications base	Evgeny Novikov	Ilja Zakharov	
8269	Klever	Feature	New	High	Allow to use swap when solving jobs or tasks	Evgeny Novikov	Ilja Zakharov	
9159	Klever	Feature	New	High	Split schedulersutils/_init_.py	Evgeny Novikov	Ilja Zakharov	
8751	Klever	Bug	New	High	New EMG does not call callbacks from i2c_driver	Ilja Zakharov	Ilja Zakharov	
9059	Klever	Bug	New	High	Absence of log files can result to job error	Evgeny Novikov	Ilja Zakharov	
8624	Klever	Feature	New	High	Add tests with forbidding callback invocations	Evgeny Novikov	Ilja Zakharov	
8581	Klever	Bug	New	High	Simplify generation of new threads at registrations for instances	Ilja Zakharov	Ilja Zakharov	
8614	Klever	Feature	New	High	Verify Linux kernel modules in alphabetical order	Evgeny Novikov	Ilja Zakharov	
8567	Klever	Feature	New	High	Use the same session to upload/download verification tasks and their solutions	Evgeny Novikov	Ilja Zakharov	

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8408	Klever	Bug	New	High	Initialize all local variables in addition to pointers and function pointers as nondet values	Ilja Zakharov	Ilja Zakharov	
8407	Klever	Bug	New	High	Do not pass uninitialized function pointers to functions and pass null instead	Ilja Zakharov	Ilja Zakharov	
8369	Klever	Feature	New	High	Allow to keep job and task working directories for particular jobs	Evgeny Novikov	Ilja Zakharov	
8390	Klever	Bug	New	High	Misleading log message when verification job decision is finished	Evgeny Novikov	Ilja Zakharov	
8232	Klever	Bug	New	High	ieee80211_register_hw should register callbacks instead of ieee80211_alloc_hw	Vadim Mutilin	Ilja Zakharov	
8176	Klever	Feature	New	High	Report verification unknowns early if it is clear that verifier does not have capabilities to decide corresponding verification tasks	Evgeny Novikov	Ilja Zakharov	
8137	Klever	Feature	New	High	Properly place context switching model comments	Evgeny Novikov	Ilja Zakharov	
8135	Klever	Feature	New	High	Precise environment model can reveal bug in a driver that incorrectly uses registration or allocation functions	Ilja Zakharov	Ilja Zakharov	
8127	Klever	Feature	New	High	Clarify model comments a bit	Evgeny Novikov	Ilja Zakharov	
8081	Klever	Feature	New	High	Report interfaces for which environment models were not generated	Evgeny Novikov	Ilja Zakharov	
8073	Klever	Bug	New	High	Improve usb_serial_driver specification	Ilja Zakharov	Ilja Zakharov	
8072	Klever	Feature	New	High	Environment model should correctly use device identifiers	Ilja Zakharov	Ilja Zakharov	
8071	Klever	Bug	New	High	Develop specification for platform_driver_register	Ilja Zakharov	Ilja Zakharov	
8070	Klever	Bug	New	High	Develop model for usb_class_driver	Ilja Zakharov	Ilja Zakharov	
8069	Klever	Bug	New	High	Improve specification for i2c_driver	Ilja Zakharov	Ilja Zakharov	
8045	Klever	Bug	New	High	EMG should invoke post_probe() when probe callback is not called	Evgeny Novikov	Ilja Zakharov	
8009	Klever	Feature	New	High	Model for module_param()	Anton Vasilyev	Ilja Zakharov	
7964	Klever	Feature	New	High	Do not cause memory issues detection in generated environment models	Evgeny Novikov	Ilja Zakharov	
7979	Klever	Feature	New	High	Implement a EMG translator for simplified environment model with signal exchange	Ilja Zakharov	Ilja Zakharov	
7707	Klever	Bug	New	High	Several instances of NativeScheduler concurrently decide jobs	Evgeny Novikov	Ilja Zakharov	
7365	Klever	Bug	New	High	EMG consumes too much memory for quite small module sound/soc/codecs/snd-soc-wm5110.ko	Evgeny Novikov	Ilja Zakharov	
6620	Klever	Bug	Open	High	Incorrect names of directories and files with schedulers and workers implementation	Evgeny Novikov	Ilja Zakharov	
7364	Klever	Bug	New	High	Separate specifications for driver 'drivers/hid/hid-logitech-dj.ko'	Anton Vasilyev	Ilja Zakharov	
7196	Klever	Bug	New	High	Fix compiler warnings issued for generated environment models	Evgeny Novikov	Ilja Zakharov	
6552	Klever	Feature	New	High	Implement Cluster Scheduler	Ilja Zakharov	Ilja Zakharov	
6553	Klever	Feature	New	High	Extract common functions of schedulers into schedulers common library	Ilja Zakharov	Ilja Zakharov	
4475	Linux Driver Verification	Bug	New	High	LDV fails with gcc 4.7.3	Vadim Mutilin	Ilja Zakharov	

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4442	Linux Driver Verification	Feature	New	High	Environment model should provide "triggers" for rule models	Evgeny Novikov	Ilja Zakharov	
2724	Linux Driver Verification	Bug	New	High	Incorrect notification when a given module couldn't be built	Evgeny Novikov	Ilja Zakharov	
3702	Linux Driver Verification	Bug	New	High	CSD behaves nondeterministically with FS drivers and rules 32_7a, 118_1a	Evgeny Novikov	Ilja Zakharov	
1419	Linux Driver Verification	Feature	Open	High	Shorten entry point names	Evgeny Novikov	Ilja Zakharov	
10949	Klever	Feature	New	Normal	Track dependencies during the combinatorial decomposition tactic in EMG	Ilja Zakharov	Ilja Zakharov	
10648	Klever	Bug	New	Normal	Useless double assignment in EMG	Pavel Andrianov	Ilja Zakharov	
8306	Klever	Bug	New	Normal	EMG registers random interrupt handler	Pavel Andrianov	Ilja Zakharov	
8266	Klever	Bug	New	Normal	EMG should consider cases when a kernel function with a model is set as handler	Pavel Andrianov	Ilja Zakharov	
8076	Klever	Bug	New	Normal	Improve model for ieee80211_alloc_hw	Ilja Zakharov	Ilja Zakharov	
8075	Klever	Bug	New	Normal	Improve file_operations specification	Ilja Zakharov	Ilja Zakharov	
8074	Klever	Bug	New	Normal	Improve model for alloc_netdev	Ilja Zakharov	Ilja Zakharov	
8052	Klever	Bug	New	Normal	Missed return value of usb_serial_driver->open	Pavel Andrianov	Ilja Zakharov	
8032	Klever	Feature	New	Normal	New version of EMG does not call callbacks from arrays of structures	Ilja Zakharov	Ilja Zakharov	
7619	Klever	Bug	New	Normal	EMG generates incorrect parallel model for sending signals case	Pavel Andrianov	Ilja Zakharov	
7523	Klever	Bug	New	Normal	EMG mixes calls of handlers from different structures	Pavel Andrianov	Ilja Zakharov	
7472	Klever	Bug	New	Normal	EMG may incorrectly match callbacks parameters with several provided labels parameters	Ilja Zakharov	Ilja Zakharov	
7457	Klever	Bug	New	Normal	EMG should not use the same lock context for callbacks inside registration	Vadim Mutilin	Ilja Zakharov	
7322	Klever	Bug	New	Normal	EMG should not translate all signals to thread_join in parallel model	Pavel Andrianov	Ilja Zakharov	
7293	Klever	Bug	New	Normal	EMG assigns pointers to variables on stack to global variables	Vadim Mutilin	Ilja Zakharov	
7144	Klever	Bug	New	Normal	EMG generates a declaration with a flexible array member not at end of struct	Ilja Zakharov	Ilja Zakharov	
7138	Klever	Bug	New	Normal	Specify environment model specification for usb_composite_driver	Ilja Zakharov	Ilja Zakharov	
7137	Klever	Bug	New	Normal	Specify environment model specification for hc_driver	Ilja Zakharov	Ilja Zakharov	
7135	Klever	Bug	New	Normal	Specify environment model specification for hsi_client_driver	Ilja Zakharov	Ilja Zakharov	
7134	Klever	Bug	New	Normal	Specify environment model specification for virtio_driver	Ilja Zakharov	Ilja Zakharov	
6574	Klever	Bug	Open	Normal	Initialize callback parameters by default	Ilja Zakharov	Ilja Zakharov	
6951	Klever	Feature	New	Normal	Developing a verification strategy to tackle verification tasks with independent process instances	Vadim Mutilin	Ilja Zakharov	
6803	Klever	Feature	New	Normal	Extract CPAchecker statistics from its log	Ilja Zakharov	Ilja Zakharov	
6703	Klever	Feature	New	Normal	Generate several environment models per abstract verification task	Ilja Zakharov	Ilja Zakharov	

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6195	Linux Driver Verification	Bug	New	Normal	CPAchecker fails to parse '.prepared' files due to double initialization of ldv-generated variable	Anton Volkov	Ilya Zakharov	
5714	Linux Driver Verification	Bug	New	Normal	deg2: incorrect initialization for structure types	Vadim Mutilin	Ilya Zakharov	
5693	Linux Driver Verification	Bug	Resolved	Normal	Current version of LDV sometimes terminates during interaction with CPAcloud	Ilya Zakharov	Ilya Zakharov	
5562	Linux Driver Verification	Bug	Resolved	Normal	Fix ignorance of additional CPAchecker options in CPAcloud	Ilya Zakharov	Ilya Zakharov	
5102	Linux Driver Verification	Bug	New	Normal	sd_start handler not extracted for gspca_benq.ko, gspca_konica.ko	Vadim Mutilin	Ilya Zakharov	
823	Linux Driver Verification	Bug	New	Normal	Fail reported in BCE instead of DEG	Vadim Mutilin	Ilya Zakharov	
833	Linux Driver Verification	Bug	Open	Normal	CSD - Bind address error	Alexandr Strakh	Ilya Zakharov	
1064	Linux Driver Verification	Bug	Open	Normal	Build command extractor requires some refactoring	Evgeny Novikov	Ilya Zakharov	
2257	Linux Driver Verification	Feature	New	Normal	Kill CSD when it becomes useless	Evgeny Novikov	Ilya Zakharov	
2490	Linux Driver Verification	Feature	New	Normal	There shouldn't be 'No entry point' problems	Evgeny Novikov	Ilya Zakharov	
3329	Linux Driver Verification	Bug	New	Normal	envgen: disable interrupts for hard irq handlers	Denis Efremov	Ilya Zakharov	
3325	Linux Driver Verification	Bug	New	Normal	The interrupt handler	Marina Makienko	Ilya Zakharov	
3318	Linux Driver Verification	Feature	New	Normal	Support threaded irq handlers in envgen	Vadim Mutilin	Ilya Zakharov	
1049	Linux Driver Verification	Bug	Resolved	Normal	Incorrect order of irq function calls for irq_chip	Alexey Khoroshilov	Ilya Zakharov	
1839	Linux Driver Verification	Bug	Open	Normal	Ldv-manager can't find bug in driver	Ilya Zakharov	Ilya Zakharov	
522	Linux Driver Verification	Bug	New	Normal	Drv-env-gen - generated incorrect functions sequence.	Alexandr Strakh	Ilya Zakharov	
7334	Klever	Feature	New	Low	Specification for struct driver_info	Vadim Mutilin	Ilya Zakharov	
7335	Klever	Feature	New	Low	Specification for dvb_frontend_ops	Vadim Mutilin	Ilya Zakharov	
7336	Klever	Feature	New	Low	Specification for struct class	Vadim Mutilin	Ilya Zakharov	
7340	Klever	Feature	New	Low	Specification for net_device_ops	Vadim Mutilin	Ilya Zakharov	
6702	Klever	Feature	New	Low	Generate restricted environment model	Ilya Zakharov	Ilya Zakharov	

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5347	Linux Driver Verification	Bug	New	Low	Cannot upload pax archive with results obtained with deg-2	Ilja Zakharov	Ilja Zakharov	
3346	Linux Driver Verification	Bug	Open	Low	disable functions from work queue	Marina Makienko	Ilja Zakharov	