

# Надёжный код в FOSS. Быстрый и удобный путь.

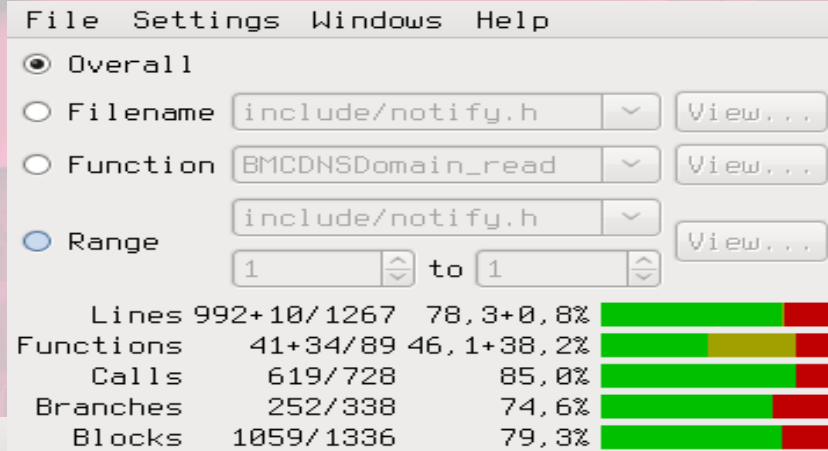
Софт	gcc+gcov, check/cunit, ggcov CFLAGS += -coverage LDFLAGS += -lcheck
Методика	Test-driven development Метрики контроля Test code coverage
Применение	C/C++ CLI-утилиты библиотеки
Интеграция	Простая сборка Тесты: unit + coverage за 1 прогон GUI для просмотра результата



# Прогон тестов

```
73%: Checks: 19, Failures: 5, Errors: 0
test/test.c:682:P:Config Space:test_nvram_driver:0: Passed
test/test.c:50:F:Config Space:test_init:0: Fake directory path should not open
test/test.c:101:P:Config Space:test_get_solid_variable:0: Passed
test/test.c:123:P:Config Space:test_get_compound_variable:0: Passed
test/test.c:170:P:Config Space:test_bit_variable:0: Passed
test/test.c:244:P:Config Space:test_byte_variable:0: Passed
test/test.c:318:P:Config Space:test_word_variable:0: Passed
test/test.c:396:P:Config Space:test_dword_variable:0: Passed
test/test.c:524:P:Config Space:test_string_variable:0: Passed
test/test.c:590:P:Config Space:test_array2d_variable:0: Passed
test/test.c:605:F:Config Space:test_mapped_driver:0: Map by ValueID not work
test/test.c:626:F:Config Space:test_const_driver:0: Constant word not equal to
itself
test/test.c:702:P:Config Space:test_nvcfg_driver:0: Passed
test/test.c:828:F:Config Space:test_file_driver:0: Couldn't set server[0] IP a
t resolv.conf
test/test.c:864:F:Config Space:test_notify_remote:0: Notify should be received
after change
test/test.c:951:P:Config Space:test_notify_local:0: Passed
test/test.c:968:P:Config Space:test_reset_to_defaults:0: Passed
test/test.c:1072:P:Config Space:test_fts_qa:0: Passed
test/test.c:1122:P:Config Space:test_variable_info_API:0: Passed
make: *** [check] Ошибка 1
mend0za@ak79:~/iRMC/Config-Space/nvram-lib$ make check DEBUG=1
```

# Наслаждаемся результатом



File View Settings Windows Help

Filenames:

Functions:

Line	Count	Source
116	2356	return 0;
117		}
118		
119	1	int check_variable_crc(Variable_t * variable)
120		{
121	1	if (variable == NULL)
122	1	return nvram_not_available;
123		
124	#####	if (variable->value_id == RESERVED_VALUE_ID)
125	#####	return nvram_not_available;
126		
127	#####	if ( variable->driver->id != driver_type_nvram && variable->driver->id != driver_type_nvcfg )
128	#####	return -EPERM;
129		
130		
131	#####	return variable->status;
132		}
133		