Testwell CTC++ User Testimonial

Background

Winbond is a memory supplier with Headquarter in Taiwan and subsidiaries in USA, Japan, Israel, China. The company has 2,800 employees worldwide.

It produces semiconductors and several types of integrated circuits (ICs) including dynamic random-access memory, static random-access memory, serial flash, microcontrollers, and Super I/O chips.

Winbond is actively involved in developing new security regulations and standards in industrial organizations.

„In Winbond LTD Israel we're at the forefront of developing cutting-edge Secure Flash memories. Central to our innovation is our sophisticated SW library, designed as a pivotal driver for secure flash technology. Tailored for embedded platforms, the SW library is complex. In addition, it serves a diverse range of targets and customers. With each addition, we elevate our testing processes, ensuring unparalleled complexity.

A key aspect of our testing process is ensuring comprehensive coverage of all code. To achieve this level of thoroughness, a code coverage tool is required.
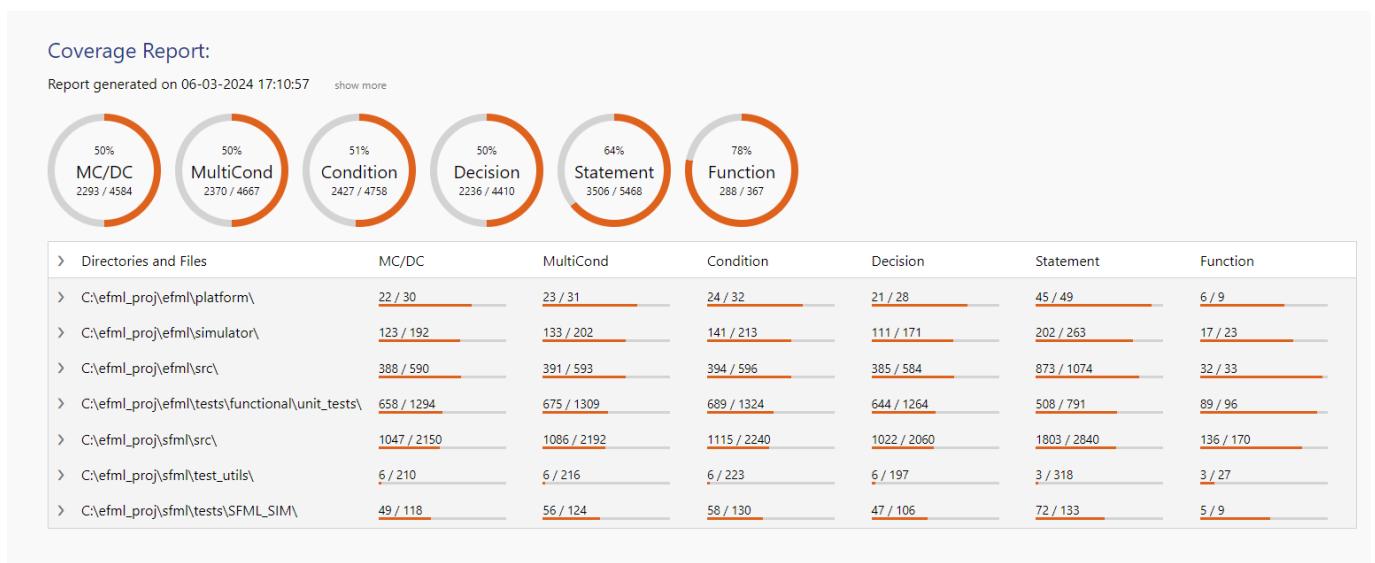
To select the ideal code coverage tool suitable to our needs, we initiated a specialized evaluation task force to test several recommended code coverage tools. Ultimately, we selected Testwell CTC++ for its ability to meet all our requirements, including seamless integration with our embedded platform," says Hezi Pereg, Software Department Manager at Winbond Israel.

Testwell CTC++ User Testimonial

According to Mr. Pereg, Testwell CTC++ generates a clear and informative coverage report and enables analyzing the report from CLI, which is extremely helpful in their CI processes.

„Our primary use of the functions coverage analysis is to ascertain that our testing covers every aspect of the code. This meticulous approach using Testwell CTC++ has been instrumental in identifying functions that were previously unintentionally overlooked in our testing process. Upon discovery, we immediately implemented additional testing routines to encompass these cases.

The coverage analysis results are elegantly displayed in user-friendly HTML pages. These pages provide overall statistics for the entire project, as well as detailed coverage data for each project file and individual function," says Hezi Pereg.

Coverage Report:

Report generated on 06-03-2024 17:10:57   show more

	MC/DC	MultiCond	Condition	Decision	Statement	Function
	50% 2293 / 4584	50% 2370 / 4667	51% 2427 / 4758	50% 2236 / 4410	64% 3506 / 5468	78% 288 / 367

Directories and Files	MC/DC	MultiCond	Condition	Decision	Statement	Function
C:\efml_proj\efml\platform\	22 / 30	23 / 31	24 / 32	21 / 28	45 / 49	6 / 9
C:\efml_proj\efml\simulator\	123 / 192	133 / 202	141 / 213	111 / 171	202 / 263	17 / 23
C:\efml_proj\efml\src\	388 / 590	391 / 593	394 / 596	385 / 584	873 / 1074	32 / 33
C:\efml_proj\efml\tests\functional\unit_tests\	658 / 1294	675 / 1309	689 / 1324	644 / 1264	508 / 791	89 / 96
C:\efml_proj\sfml\src\	1047 / 2150	1086 / 2192	1115 / 2240	1022 / 2060	1803 / 2840	136 / 170
C:\efml_proj\sfml\test_utils\	6 / 210	6 / 216	6 / 223	6 / 197	3 / 318	3 / 27
C:\efml_proj\sfml\tests\SFML_SIM\	49 / 118	56 / 124	58 / 130	47 / 106	72 / 133	5 / 9

Winbond Technology Ltd
1 Abba Eban Ave, Building B, First Floor
IL 4612101 Herzliya
Israel
www.winbond.com
© Photos: Winbond