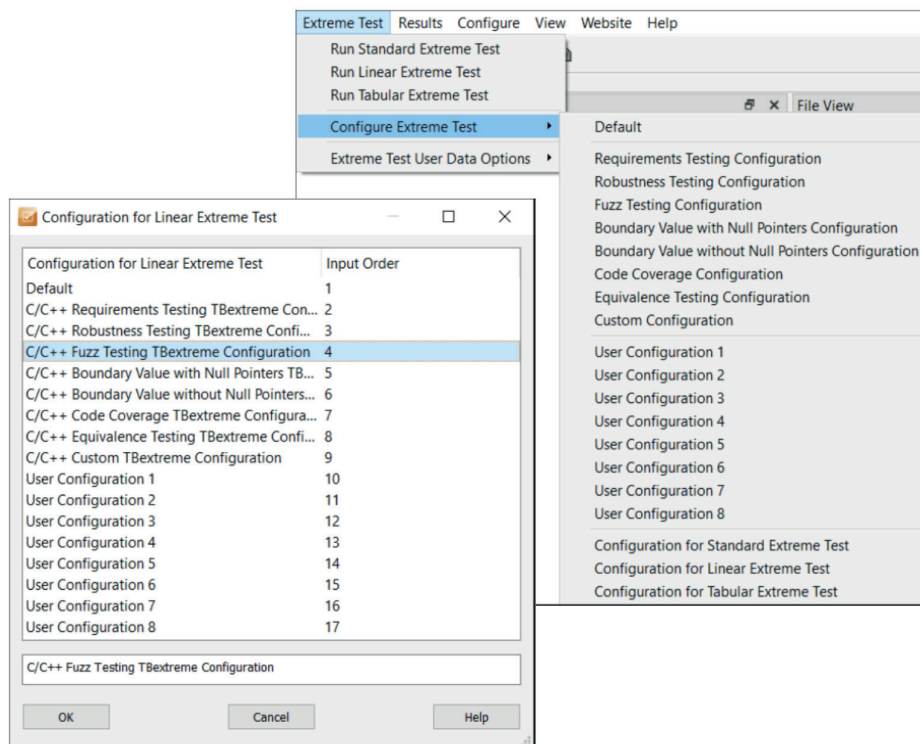


TBextreme with TBextremePLUS – Harness the power of automated test case generation Requirements - Based Testing (RBT), Boundary Value Testing (BVT), Equivalence Class Testing (ECT), & Fuzz Testing

TBextremePLUS further enhances the TBextreme add-on module to LDRA's unit test tool, TBrin, by enabling the introduction of variable values based on requirements.

Features like Boundary Value Testing (BVT) and Equivalence Class Testing (ECT) aid with robustness testing for safety-critical applications in compliance with DO-178C, ISO 26262 and IEC 61508.

From a cybersecurity perspective unit- and integration-level fuzz testing have a vital contribution to make to any secure coding regime.



Benefits

- Automated generation of requirements-based tests, boundary value tests, and class equivalence tests reduces cost and effort
- Unit- and integration-level fuzz testing underpins a secure coding regime
- Optimized test case generation maximizes coverage while minimizing test case count
- Improves application robustness, quality, and cybersecurity
- Contributes to compliance with DO-178C, ISO 26262, IEC 61508, and other standards

Solution Details

- Builds upon the proven LDRA tool suite used in thousands of certifications
- Highly configurable based on testing goals
- Easily set up managed stubs for entire applications
- Configure nominated variables to have many values based on requirements
- Data file import to automatically generate values for requirements-based tests
- Intelligent creation of test cases around pointers



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