

Requirements and Defects Traceability

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Overview

Parasoft's requirements and defects traceability capabilities graphically reports the status of requirements and defects and traces them back to test cases. This enables the team to objectively assess which requirements are actually working as expected, which defects are resolved, and which requirements and defects still need testing. You can also use the traceability reports to demonstrate regulatory compliance with required development guidelines, such as MISRA.

Requirements and defects traceability is enabled through:

- testing and code analysis with C/C++test,
- data collection, correlation, and visualization with Parasoft Development Testing Platform (DTP),
- and advanced process intelligence with Parasoft Enterprise Pack—specifically the Traceability Report extension.

Requirements

The following components are required to enable requirements and defects traceability:

- DTP 5.3.0 or later (with appropriate license).
- Parasoft Enterprise Pack with the Traceability Report artifact deployed.

Enabling Code and Test Correlation

To do this, you need to:

- Enable reporting to Parasoft DTP. See [Connecting to Development Testing Platform](#)
- Mark which task, requirement, or defect each test is related to - see [Indicating Code and Test Correlations](#).

Traceability in Concerto or Older Versions of DTP

If you are using a version of DTP older than 5.3.0, see the "Legacy 9.x Functionality for Concerto and Development Testing Platform" guide in the DTP documentation.