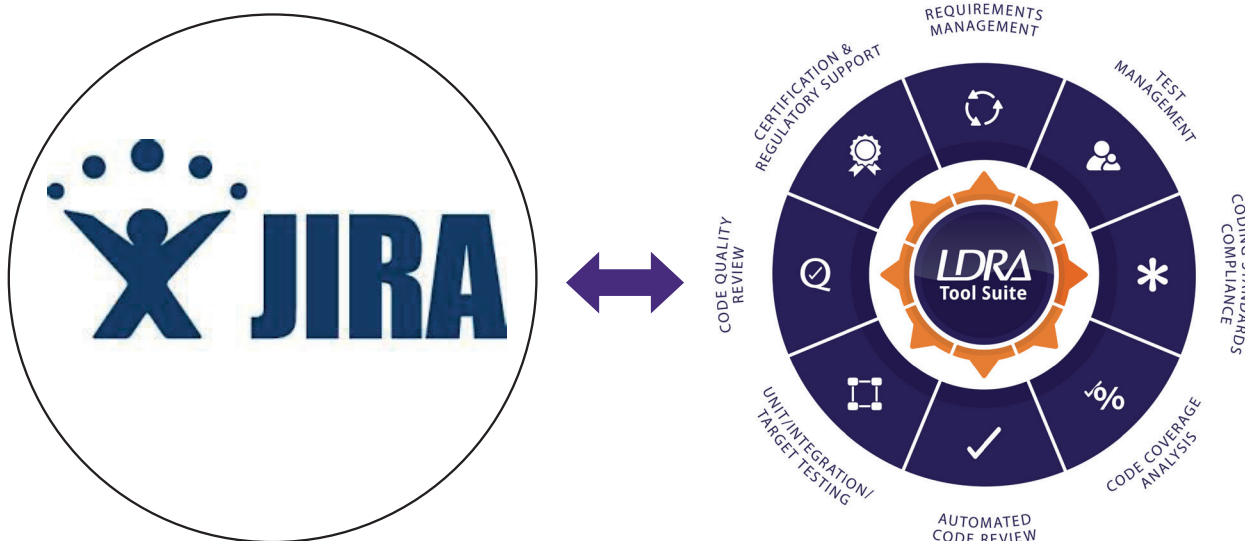


LDRA tool suite® and Atlassian® Jira® integration

LDRA has integrated its LDRA tool suite with Atlassian Jira, the number 1 software development tool used by agile teams. When appropriate add-ons are leveraged, Jira offers outstanding requirements and test management capabilities. Complement Jira further with the standards compliance, bidirectional requirements traceability, software testing, automated code analysis, and report generation capabilities of the LDRA tool suite, the result is a powerful embedded software quality solution. Bidirectional data exchange underpins the core agile principles and values, reducing the cost of testing, and improving code quality, safety, and security.



Benefits

- delivers a software validation and verification solution for real-time embedded systems
- identifies code flaws using LDRA tools, then logs, prioritizes, assigns and tracks defects in Jira
- delivers end-to-end bidirectional traceability between requirements, design, code and test artefacts
- efficiently automates static analysis, dynamic analysis, unit testing, structural coverage, test case creation and on-target execution
- greatly increases efficiency in software testing and reduces cost through automation
- automates test case harness and stub generation for robustness testing
- perform post execution analysis and reviews with unique perspectives from both Jira and the LDRA tool suite
- supports certification in accordance with process standards including DO-178B/C, ISO 26262, IEC 61508, and IEC 62304

Solution Details

- imports Jira issues typed as requirements and test cases into the LDRA tool suite, complete with comprehensive traceability links
- exports LDRA tool suite test cases, verification status, and execution test results to Jira issue fields
- integrates MISRA, CERT and other coding standards into development environments that require evidential artefacts relating to safety or security standards
- automates test case, harness and stub generation for robustness testing
- exposes high-risk areas and defects by way of automated code analysis and report generation
- creates traceability links by drag-and-drop
- provides object code verification for the most demanding safety-critical applications
- is underpinned by LDRA's ISO 9001:2015 certified Quality Management System, and the LDRA tool suite's TÜV SÜD and SGS-TÜV Saar certification