



Agile University: Delivery School

Agile Tools

High performance. Delivered.

Strategy | Digital | Technology | Operations

Agenda

Agile Project Management Tools

Continuous Integration Tools

Agile Collaboration Tools

Agile Functional Automated Testing Tools

Agile Project Management Tools



Purpose

- Facilitate the execution of Agile including planning, tracking, work allocation, metrics and some other key Agile practices

Key features

- **General**– Installation, License, Platform, etc.
- **Planning** – Project/Release/Sprint level planning, Estimates, Product and Sprints Backlogs, Work/Time Allocations, User Stories
- **Sprint/Iteration** – Reporting Matrix, Traceability, Work Progress Tracking
- **Collaboration** - Stakeholder interaction

Agile Project Management Tools

- Agile Project Management Tools covered



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Continuous Integration Tools



Purpose

- Continuous Integration is an extremely important development practice and is central to the build process in Agile projects.
- This decision guides helps project evaluate various tools and frameworks available for Continuous Integration (including open source frameworks).

Key Features:

- **General features** – Installation, License, Platform, etc.
- **Usage** – Script Configuration, Test Integration, Parallel Builds, Integration with Build Tools
- **Publishing** – Notification, Build Promotions
- **Version Control Integration** – CVS, Subversion, ClearCase, etc.

Continuous Integration Tools

- Currently includes the following Continuous Integration Tools



Continuous Integration using Jenkins:

[https://kx.accenture.com/repositories/ContributionForm.aspx?path=C27/46/72&mode=Read&fn=Continuous Integration using Jenkins.docx&origin=search](https://kx.accenture.com/repositories/ContributionForm.aspx?path=C27/46/72&mode=Read&fn=Continuous%20Integration%20using%20Jenkins.docx&origin=search)

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Agile Collaboration Tools



Purpose

- Agile projects require the team to work in close collaboration. This can be a challenge in case of distributed Agile projects. Additionally, Agile projects also involve frequent collaboration with the client.
- Use of Collaboration tools helps the team improve internal collaboration as well as with the clients.

Key Features

- **General features** – Installation, License, Platform, etc.
- **Collaboration and Productivity Services** – Shared Calendars, Blogs, Wikis, Discussion Threads, Document Repository
- **Communication Services** – Emails, Instant Messaging, Group Chats, Mailing Lists, Publish/Subscribe

Agile Collaboration Tools

- Currently includes the following Agile Collaboration Tools



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Agile Functional Automated Testing Tools



Purpose

- The time and materials cost of manual functional testing within Agile projects rapidly becomes prohibitive to complete effectively during time-boxed periods.
- Building up a suite of automatable scripts to perform functional testing (including regression) is highly recommended.

Key Features

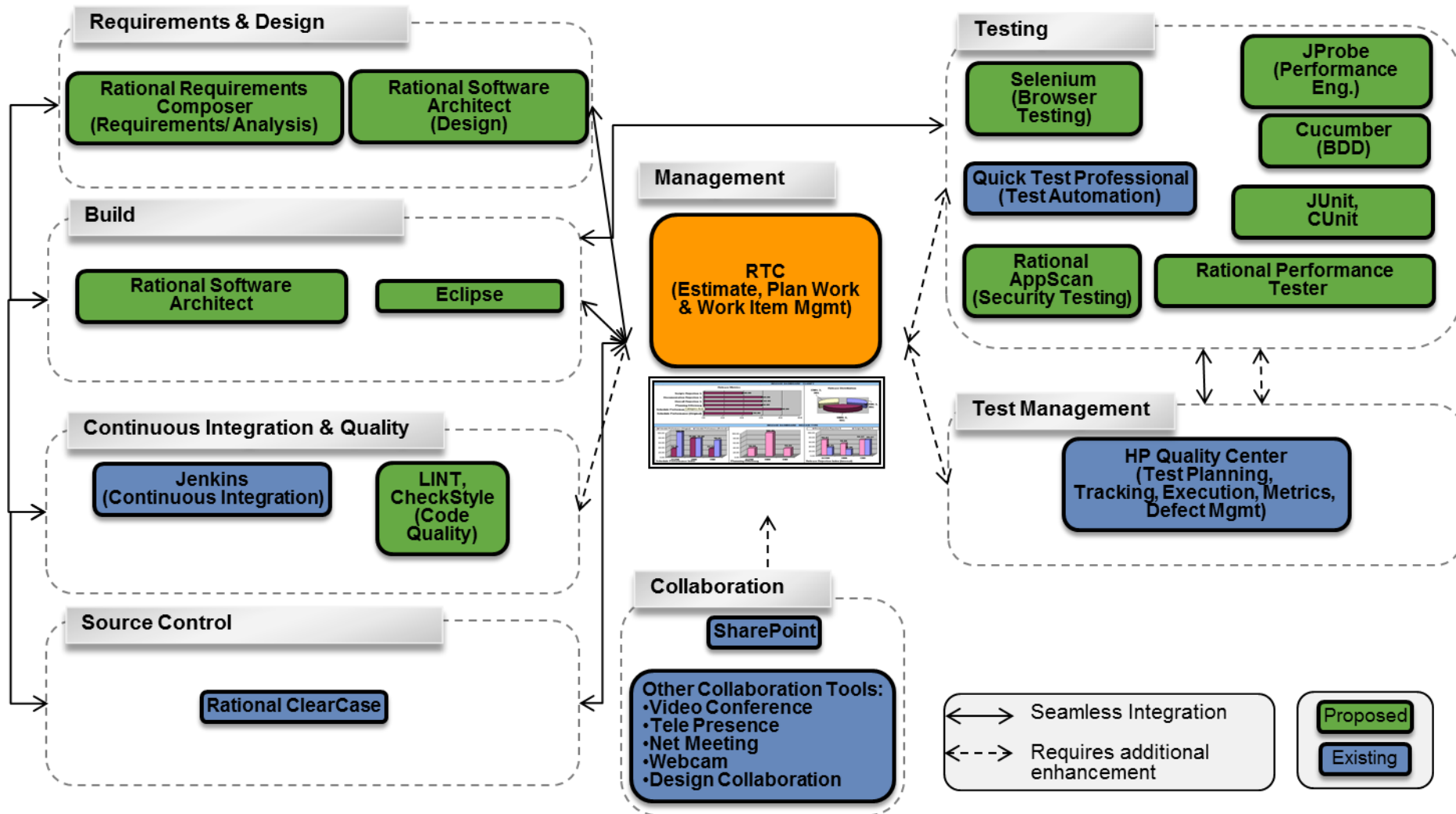
- **About** – License, Platform, Vendor, Version etc.
- **Agile Specific** – Test Script Maintenance, Test Data, Test Execution and Test Verification/ Documentation
- **Other Criteria** – Cross-Browser Support, Reporting, Supported Applications, Test Tool Training and Tool Installation

Agile Functional Automated Testing Tools

- Currently includes the following Agile Functional Automated Testing Tools



RTC Based ALM Tooling Solution



Questions & Answers

