

# AGILE DEVELOPMENT WITH RED HAT CONSULTING

BROCHURE

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Red Hat Consulting devotes its resources toward the effective enabling of applications deployed with Red Hat software.

Through agile and iterative approaches, Red Hat consultants improve time to market, reduce risk, embrace change, and assure quality.

## AGILITY AT RED HAT

Red Hat is the world's leading provider of open source solutions, using a community-powered approach to provide reliable and high-performing cloud, virtualization, storage, Linux®, and middle-ware technologies. Red Hat also offers award-winning support, training, and consulting services. And, as the connective hub in a global network of enterprises, partners, and open source communi-ties, Red Hat enables the creation of relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT. Red Hat is an S&P company with more than 70 offices spanning the globe, empowering our customers' businesses.

Red Hat® Consulting devotes its resources toward the effective enabling of applications deployed with Red Hat software. Through agile and iterative approaches Red Hat Consultants improve time to market, reduce risk, embrace change, and assure quality. This brochure describes some of Red Hat Consulting's agile practice services.

## AGILE ESTIMATING AND PLANNING

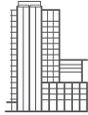
In agile approaches, cursory and even arbitrary planning is replaced by collaborative planning efforts that include team buy-in. In place of costly and time consuming upfront design efforts, itera-tions and incremental delivery work are prioritized by business value, organizational enablement, and risk reduction. The delivery triangle is turned upside down and through continuous delivery, pre-dictive processes provide software aligned with customer expectation. Cost and schedule is assured while scope is managed through an ongoing release cycle. Ongoing collaboration with the customer ensures that what is released is what is most important, so the failed "all or nothing" approaches inherent to waterfall software development life cycle (SDLC) methods are eliminated.

## BACKLOG AUTOMATION

Red Hat Consultants are adept at organizing portfolio, program, and team-level backlogs with the latest automation from Atlassian, Rally Software, VersionOne, and HP. Our consultants assist clients with the implementation and deployment of the tools needed to facilitate agile development and ensure the teams' alignment with business objectives.

## LEAN, XP, AND SCRUM

The agile umbrella incorporates many practices and methodologies to enable define-build-test teams. Red Hat consultants are trained and certified in some of the most effective agile processes including Lean, eXtreme Programming (XP), and Scrum. Whether it's pair-programming, user stories, or continuous integration, Red Hat consultants understand the history behind many agile processes and, even more importantly, the value of their practice.



## ABOUT RED HAT

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## SCALING AGILE

Enterprise organizations require the synchronization of teams operating in parallel to deliver in multi-tenant environments. The coordinated delivery of components from multiple teams is necessary for timely integration into potentially shippable increments (PSIs). Red Hat can assist PMO planning through implementation of leading frameworks, such as the scaled agile framework (SAFe) by Dean Leffingwell. Additionally, Red Hat consultants are competent in other program and portfolio planning and execution, such as Scott Ambler's disciplined agile delivery (DAD).

## AGILE TESTING

Leaving QA testing to the end of a development cycle is no longer an option to keep pace with change. Red Hat is proficient in the practice of agile testing and ensures software components perform to specification. With behavior-driven development (BDD), Red Hat takes test-driven development (TDD) to a level where business stakeholders can review empirical progress through automated scenarios and the demonstration of working software. This discipline creates "living documentation" that remains with the work product throughout the practice of continuous integration. Technical debt is reduced and adequate code coverage provides an effective definition of done. When combined with domain-driven design to simplify complex application architectures, these techniques speed up development without compromising quality.

## AGILE REPORTING

Empirical process control requires ongoing inspection, adaptation, and transparency. Without adequate reporting, the indices of performance remain hidden from stakeholders. Red Hat consultants are trained to go beyond the conventional burn-down and velocity measurement, and instead employ industry best practices to measure team and program progress to assure that objectives are being met in a predictable way. Leading approaches such as Rally's SDPI (software development performance index) and disciplined business processes such as plan-do-check-act (PDCA) are examples of how Red Hat goes beyond mere backlog reporting.

## COACHING AND MENTORING WORKSHOPS

Red Hat consultants have agile expertise as well as unique experience with Red Hat technologies. The agile practice combines product and process to help clients deliver greater value and achieve the organizational transformation needed to benefit from agility. The on-site Red Hat agile adoption workshop is a great way for teams and organizations to be grounded in orthodox agile practice without the high cost of classroom training and travel expenses. Following the workshop, Red Hat consultants are available to fill productive roles on your delivery teams and at the program level. By being adept when applying agile, we prioritize working software and delivery over planning and excessive preparation.