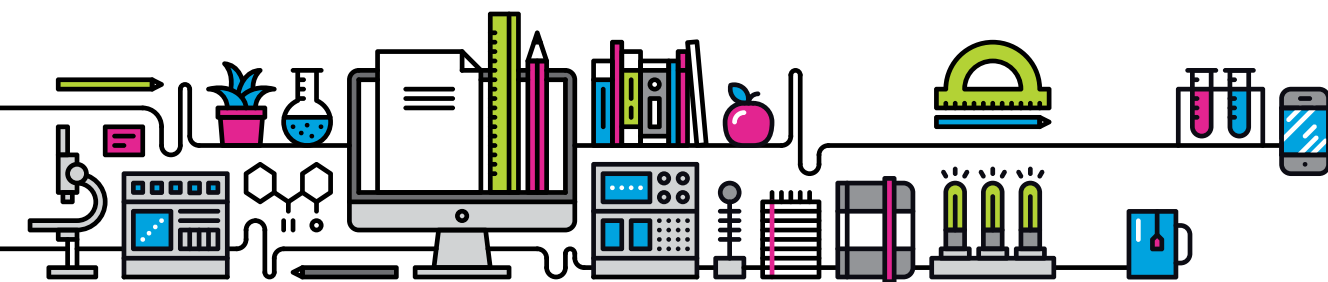# Bobcat

Mission Critical Testing for AEM

Web experiences are becoming more sophisticated. They are also increasingly integrated with the functions of day-to-day business. Growth in e-commerce, personalised messaging, targeted content, and analytics is driving ever more complexity, creating more room for error.

The multitude of the data-driven, dynamic elements of your web applications are not only critical to great customer experiences, but also your ability to sell. A malfunctioning web application doesn't simply result in a poor customer experience, it can also have a direct impact on your revenue.

Manual testing is still used to test web apps, but this means a hefty commitment in time and cost, and inevitably results in human errors. And although there are a wide variety of automated testing tools available, few of them have been designed to work specifically with Adobe Experience Manager. Of those that have, many are not Java based and require a different set of skills. Few are able to integrate testing across mobile and cloud, and none allow for easy testing across both the Author and Publish instances of AEM.

BOBCAT

Bobcat

Mission Critical Testing for AEM

Take a different approach

The ideal testing solution for AEM would eliminate the need for large teams of manual testers. It would enable you to utilise exactly the same skills you need for site build. It would be easy to use, letting you build tests in natural language, and it would test the user experience exactly as users would experience it in real life, accounting for a full range of browsers and operating systems. Even better, it would also be able to test mobile applications, as well as interactions with analytics systems and email. You'd want it to do all of this quickly across both the publishing and authoring environments.
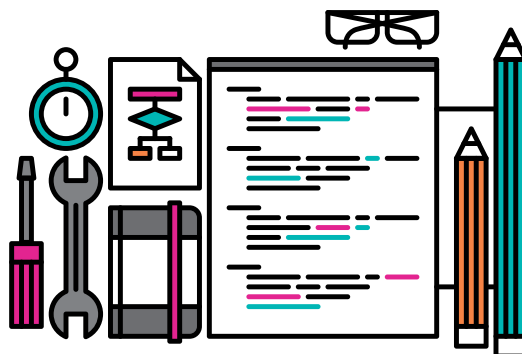
Of course it'd be ideal if it didn't cost the earth either.

Introducing Bobcat

Let us introduce you to Bobcat. It's an automated testing framework for functional testing of web applications. It was developed by Cognifide specifically for AEM and implemented in Java, allowing you to utilise the same set of skills for quality assurance as you use for site build.

Bobcat eliminates the need for manual testing by mimicking the behaviour of a real user, interacting directly with the HTML of the application. It does this by building on Selenium Browser Automation, which is able to replicate actual user browsing across a full range of browsers, running on Linux, Windows and OSX. Bobcat wraps Selenium with a handy set of tools and accelerators specifically designed for AEM. It can also be implemented in Gherkin to allow behaviour-driven development (BDD) approaches using natural language. Bobcat also provides a set of good practices that will accelerate the testing process.

With Bobcat you're not starting every project from scratch. It comes packaged with a set of common project templates, allowing you to get up to speed faster. Best of all, Bobcat is entirely open source, so you are free to pick it up and use it where your Cognifide developers left off.

Bobcat

Mission Critical Testing for AEM

Change the way you work

Bobcat is highly capable as a testing framework for AEM, and if that was all it did, it would be more than useful. However, the real payoff comes when it's applied to help the transition to agile or continuous deployment. By separating the development of build and test cycles, Bobcat allows for the parallel development of both the code and the tests from a common set of requirements. This has a number of benefits.

First, parallel development drastically increases speed; you don't need to wait until the functionality is built to develop the tests, as you would using a manual testing approach. Second, developers are developing code in a way that is ready for testing, making it easier and quicker. Finally, by working in parallel, the test scheme is designed to work against the requirements, not simply to test whether the code functions correctly. This means better quality outcomes.

If you are thinking about moving to continuous delivery, Bobcat can reduce your test workload from days to just hours. This means better outcomes, faster.

Working with Cognifide and Bobcat

Cognifide developed Bobcat in-house to ensure high-quality code and fast delivery. When you work with Cognifide you're getting all the advantages of Bobcat built in to your projects. This means your projects are tested quickly and thoroughly. It also means you aren't paying for unnecessary hours of manual testing, and you're assured that your site will work as designed. In addition, after Go Live, Cognifide is able to supply your in-house teams with all the pre-built test scripts and data used for testing, meaning you're able to pick up where we left off.

If you're interested in adopting Bobcat for your business we can show you how to best apply it. We can also show you how you can combine Bobcat with other Cognifide tools such as Dashing for easy dashboard reporting, or AET for automated site testing.

Contact us at info@cognifide.com