

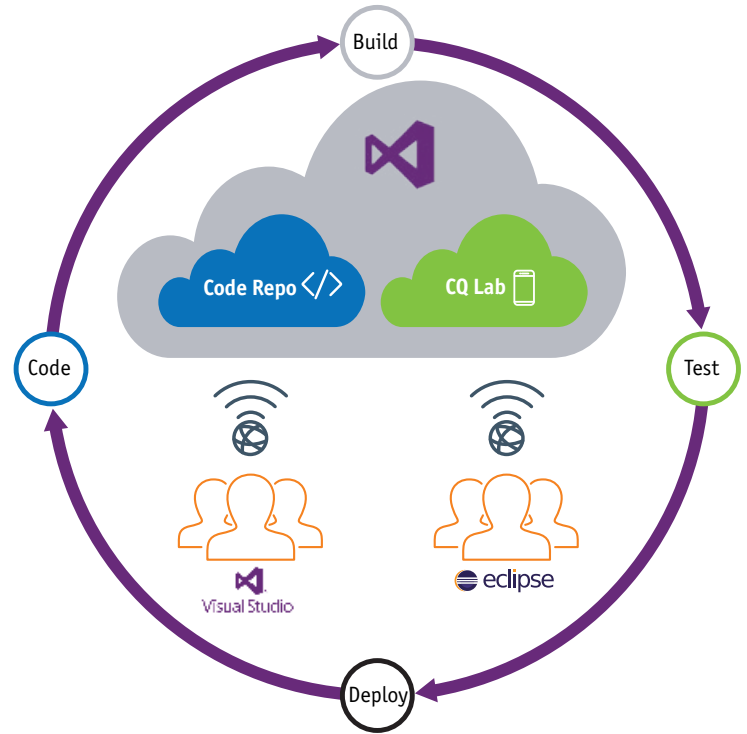
Perfecto Extension for Visual Studio

Develop, debug, and automate mobile app tests for cross platform devices within Visual Studio

Enterprises striving to be more Agile and deliver apps faster need to integrate diverse tools and increase automation. With these goals in mind, Perfecto and Microsoft have teamed up with an extension that allows Visual Studio users to do efficient end-to-end testing of mobile web, native and hybrid apps using Perfecto's cloud-based Continuous Quality Lab.

Developers and testers can perform exploratory testing and build test automation inside Visual Studio using real devices. They can develop automation in Selenium or Appium with C# and get a running start on automation by using record and playback to capture manual testing steps as C# code. They can also create cross-platform unit, build verification, smoke, and regression tests and execute them on real devices in parallel.

Test scripts can run as a stand alone application, can be integrated with different test frameworks, such as MSTest, and be included in continuous build-test services, such as Visual Studio Team Services or Team Foundation Server.



Integrated with the tools you use across your DevOps process:
Perfecto Extensions for Visual Studio, Visual Studio Team Services, and Eclipse.

BENEFITS

GET STARTED FAST

Develop and debug tests interactively from within Visual Studio and automate cross platform testing with familiar languages, including C#

ACCESS ALWAYS ON REAL DEVICES

Go 100% cloud—Browser access to a scalable, globally distributed, cloud-based lab with carrier-connected phones, tablets, and phablets

DEVELOP AND TEST ANY APP STYLE

Use Selenium RemoteWebDriver best practices to accelerate release cycles and deliver better mobile apps faster

ACTIONABLE BUG REPORTING

Manage and execute automated testing on iOS, Android, and Windows Phone apps in parallel

ACCELERATE TESTING

All devices are securely managed and maintained in the cloud, allowing organizations to maximize coverage with minimal operational overhead

INTEGRATE END USER EXPERIENCE TESTING INTO CI/CD PROCESSES

Leverage real devices for verification testing with every build. Deploy, and test with real off-the-shelf devices during every build cycle, capturing results in Visual Studio Team Services or Team Foundation Server

KEY FEATURES

RECORD AND PLAYBACK

Record actions performed interactively on a real device into an existing project as C# code. Build and run your project for test playback with full support for interactive debugging on real devices

SELENIUM AND APPIUM SUPPORT

Use the test frameworks (Appium/Selenium) from your preferred language (C#, Java, etc) to define tests that identify GUI elements by ID, Name, Link, CSS tags, DOM, or XPath

ENHANCED TEST COVERAGE FOR REAL USER CONDITIONS

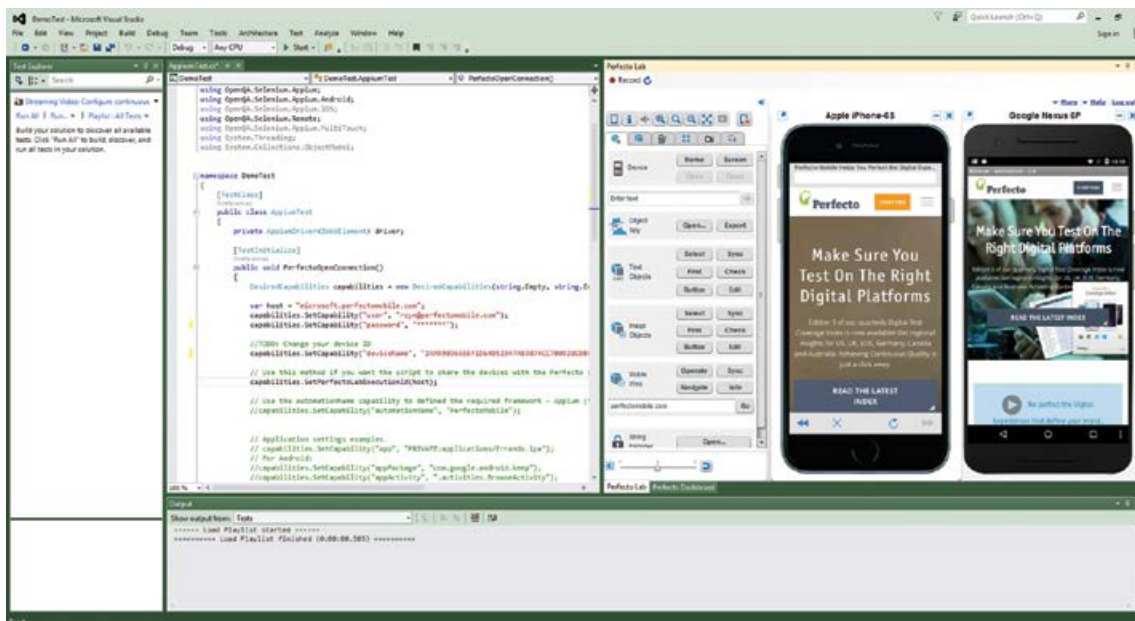
Test real end-user profiles with Wind Tunnel™. Execute tests across unique profiles with different devices, installed applications, and cellular/network conditions. Select from predefined user profiles to get started fast, or create custom personas that accurately capture your end users

ACTIONABLE REPORTING

Wind Tunnel reports for end-user profile test analysis Device under test information (logs & device vitals) Screen shots, video, and network traffic reporting

TEAM FOUNDATION SERVER / VISUAL STUDIO TEAM SERVICES INTEGRATION

Execute tests developed in Visual Studio with every build in Visual Studio Team Services and Team Foundation Server



Example of a test script within Visual Studio running on carrier-connected device.

To learn more please visit us at www.perfectomobile.com or call us at 781.205.4111.

About Perfecto

Perfecto enables exceptional digital experiences. We help you transform your business and strengthen every digital interaction with a quality-first approach to creating web and native apps, through a cloud-based test environment called the [Continuous Quality Lab](#). The CQ Lab is comprised of real devices and real end-user conditions, giving you the truest test environment available.

More than 1,500 customers, including 50% of the Fortune 500 across the banking, insurance, retail, telecommunications and media industries rely on Perfecto Mobile to deliver optimal mobile app functionality and end user experiences, ensuring their brand's reputation, establishing loyal customers, and continually attracting new users. For more information about Perfecto Mobile, visit perfectomobile.com, join our [community](#), or follow us on Twitter at [@PerfectoMobile](#).