

Supported platforms

Perfecto integrates with and supports the IDEs, device platforms, and test frameworks specified here.

Note: The Perfecto UI requires a resolution of at least 1366 x 768 pixels. Resizing windows may have unexpected results.

Device platforms

With the latest version of Perfecto, automation testing is supported on the device platforms listed in this section.

Important: Based on the deprecation policy, Perfecto no longer supports older versions of the mobile OS. For details, see [Suspension of support policy](#) | [Mobile device OS](#).

iOS

Perfecto supports iOS versions 10 to 14.5 Beta 8. For details about support limitations, see [iOS Support Updates](#).

Android

Perfecto supports Android versions 6 to 11 GA + "Security Update". For details about support limitations, see [Android Support Updates](#).

Desktop Web

In addition to a large set of mobile devices, the Perfecto Continuous Quality Lab provides a set of desktop-web environments for testing web applications. The web environments are characterized by:

- Operating system, such as Windows 8.1 or MacOS Sierra
- Browser version, such as Chrome v62, Firefox v58, or Safari v10
- Screen resolution to support testing responsive web applications
- Browser location setting, either **US East**, **AP Sydney**, or **EU Frankfurt**

The web device is presented to the test script as a virtual machine, hosted by the Perfecto CQ Lab. Normal initialization for the latest version combinations of the VM is approximately 7-10 seconds.

Supported platforms

Use the **browserVersion** [capability](#) to select the version of the browser to configure in your desktop web device.

You can follow the browser version roadmaps at the following links:

- [Chrome](#)
- [Firefox](#)

Windows

Windows version	Chrome	Firefox	IE	Edge	Windows OS Server edition
7	80-81, 83-90, beta	77-87, beta	11 (see note)		Windows Server 2008 R2
8.1	80-81, 83-90, beta	77-87, beta	11		Windows Server 2012 R2
10	80-81, 83-90, beta	77-87, beta	11	80-81, 83-90, beta	Windows Server 2016
				14-18	Win 10 Embedded

Notes

- IE and Edge browsers are configured to disable the popup blocker.
- Some Windows versions run on Windows Server, as listed above.
- Chrome version 82 was skipped by Google. It is not available.
- Edge version 82 was skipped by Microsoft. It is not available.

Due to Microsoft licensing issues, its Microsoft Server counterpart is supplied when you request a desktop edition. This does not affect the view or the input needed in the capabilities, but it entails the usage of slightly different libraries.

Screen resolutions

- 1024x768 (default)
- 1280x1024
- 1366x768
- 1440x900
- 1600x1200
- 1920x1080
- 2560x1440

Mac

Mac web sessions are created using physical Mac machines installed at your Perfecto CQ Lab.

Note: Mac web sessions may require longer initialization than Windows-based web sessions.

Perfecto's Selenium web testing is supported according to the lists below.

macOS version	Safari	Chrome	Firefox	Comments
High Sierra	11	80-81, 83-90, beta	77-87, beta	
OS Mojave	12,13, 14	80-81, 83-90, beta	77-87, beta	
Catalina	13, 14	80-81, 83-90, beta	77-87, beta	
Big Sur	14	80-81, 83-90, beta	77-87, beta	

You can only run Mac web sessions across multiple locations if your company has multiple Perfecto Labs with Mac machines installed.

Screen resolutions

- 800x600
- 1024x768 (default)
- 1280x1024
- 1280x720
- 1440x900
- 1680x1050
- 1920x1080
- 2560x1440
- 3840x2160

Limitations

- Except for [Visual Analysis](#) commands, Perfecto's [extensions](#) are currently not supported for desktop web testing.
- When creating a session with the **platformName** capability set to **Mac**, the **location** capability is mandatory.
- Mac web sessions are created on real machines. This limits their number and type to the Mac machines installed on-site (CQ Lab).

The following operations are not currently supported on devices with the specified configurations:

Configuration	Operations not supported
Mac with Safari browser earlier than version 11	The <code>driver.manage.maximize()</code> function due to a Selenium issue
Mac with Safari browser	<ul style="list-style-type: none">• <code>MouseClicked</code>• <code>MouseMove</code>
Firefox version 53 or later	<ul style="list-style-type: none">• <code>MouseClicked</code>• <code>MouseMove</code>• <code>Submit</code>

Microsoft Internet Explorer

The capability `acceptInsecureCerts` is not supported due to a Selenium/Internet Explorer limitation. To work around this issue, use the following code instead:

```
driver.get("https://staff-np6.np.mlc.com.au/user/session/staff/login/manual");
driver.findElement(By.id("moreInfoContainer")).click();
driver.findElement(By.id("overridelink")).click();
```

Virtual devices

Perfecto supports simulators for iOS versions 12.x and later on the following devices.

iPhone

5s, 6, 6 Plus, 6s, 6s Plus, SE (1st and 2nd generation), 7, 7 Plus, 8, 8 Plus, X, Xs, Xs Max, XR, 11, 11 Pro, 11 Pro Max, 12, 12 Pro, 12 Pro Max, 12 mini

iPad

iPad 5th, 6th, 7th, and 8th generation, mini 4 and 5, Air 2, 3, and 4, Pro 1st generation (9.7-inch, 10.5-inch, 11-inch, 12.9-inch), Pro 2nd generation (11-inch, 12.9-inch), Pro 3rd generation (12.9-inch), Pro 4th generation (12.9-inch)

Perfecto supports emulators for Android versions 8.0 and later on the following devices.

Samsung

Galaxy S6, Galaxy S7, Galaxy S7 Edge, Galaxy S8, Galaxy S8 Plus, Galaxy S9, Galaxy S9 Plus, Galaxy S10, Galaxy S10 Plus, Galaxy S10e, Galaxy Note 9, Galaxy Note 10, Galaxy Note 10 Plus, Galaxy Z Flip, Galaxy S20, Galaxy S20 Plus, Galaxy S20 Ultra

Google

Pixel 3, Pixel 3 XL, Pixel 3a, Pixel 3a XL, Pixel 4, Pixel 4a, Pixel XL

For more information, see [Simulators \(iPhones and iPads\)](#) and [Emulators \(Android devices\)](#)

Test frameworks

Perfecto integrates with the following:

- [Automation tools](#)
- [CI tools](#)
- [Project and test management tools](#)

- [Performance and load testing tools](#)

For developers using instrumentation testing tools, the Test Framework Gradle plugin supports the following versions:

- Espresso test methods for Android 4.3 or later
- XCUITest test methods for iOS 10 or later (iOS 14 is supported with XCode 12 test binaries)

Selenium/Appium

That latest Perfecto version supports Selenium/Appium automation scripts based on the following server and client versions:

	iOS	Android	Desktop web	Virtual devices
Appium	Client: 5.0.4 - 7.3.0 Server: 1.20.2*	Client: 5.0.4 - 7.3.0 Server: 1.20.2	N/A	Server: 1.12.0 or later. For best performance, we recommend that you work with version 1.15 or later. Client: Versions compatible with the Appium server version
Selenium	Client: 3.6 - 3.141.59	Client: 3.6 - 3.141.59	Server: <ul style="list-style-type: none"> • Windows 7: 3.4.0, 3.8.1 • Windows 8 and 10: 3.4.0, 3.8.1, 4.0.0 • macOS: 3.4.0, 3.14.0, 3.141.59 Client: Versions compatible with the Selenium server	Client: Versions compatible with the selected Appium client version

* As a best practice, we recommend that you select only the version of the Appium client to use and let the natural dependency and compatibility between Appium server and Selenium client versions take care of the rest. If you need to select a specific Selenium client, you must make sure that the client version is compatible with the selected version of the Appium client.

Cypress

Perfecto supports the latest minor version of each of the following major Cypress versions: 4, 5, 6, and 7

Browser versions

Cypress runs on the same browser versions as Desktop Web (see **Device platforms > Desktop Web > Supported platforms**), with the exception of Safari. Safari is not supported.

Node.js versions

Cypress runs on the same browser versions as Desktop Web (see **Device platforms > Desktop Web > Supported platforms**), with the exception of Safari. Safari is not supported.