

Supported Appium capabilities

Use capabilities to select the device, start applications, control the Perfecto Appium server.

General settings

| Capability | Value | Description |
|-----------------------|--|--|
| automationName | Appium (default), Perfecto Mobile | Which automation engine to use - determines the UIElement Class names identified by the automation engine. See Note below. Note: use PerfectoMobile for the Perfecto object tree - uses generic UIElement classes. |
| app | | The Perfecto repository path to an <i>.ipa</i> or <i>.apk</i> file. Incompatible with <code>browserName</code> . |
| browserName | Chrome Safari MobileOS MobileDefault Perfecto Mobile | Name of mobile web browser to automate. Note: For application testing use an empty string. |
| autoLaunch | true (default) false | Whether to have Appium install and launch the app automatically. |
| udid | | Unique device identifier of the connected physical device |
| orientation | LANDSCAPE PORTRAIT | start in a certain orientation |
| noReset | true false (default) | Don't reset app state before this session |
| fullReset | true false (default) | Reset app state by uninstalling app. This will also remove the app after the session is complete |

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Note: This capability is optional. If not set and device is running a non-iOS OS, the Appium infrastructure will be used. For iOS devices, refer to [this article](#) to determine the infrastructure used.

Perfecto extensions

General Settings

| Capability | Value | Description |
|-------------------------|-------------------------|--|
| autoInstrument | true false (default) | To work with hybrid applications, install the iOS/Android application as instrumented. When set to 'true' the iOS/Android application is instrumented before it is installed. |
| sensorInstrument | true false (default) | To work with sensor input (for example fingerprint simulation , or image injection) install the iOS/Android application as instrumented. When set to 'true' the iOS/Android application is instrumented before it is installed. |
| takesScreenshot | true (default) false | Takes screenshots to display in the report. Relevant only if <code>screenshotOnError</code> is false . |

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|---------------------------|----------------------------|--|
| screenshotOnError | true false (default) | Screenshots for report are generated only for error conditions. This capability takes priority over the <i>takesScreenshot</i> capability. |
| scriptName | | The script report and report folder names. Note: Script name should not include a blank character. |
| dataReset | true (default) false | When re-installing an application all data associated with the application will be deleted and application will start with a clean slate. If set to false - data will not be deleted and the updated application will continue in the context of the existing data. |
| baseAppiumBehavior | YES NO (default) | This capability selects whether to use the basic behavior of Appium in cases that Perfecto offers alternative behavior (may be expanded in the future with different behaviors): YES – An element is considered visible if that element's frame is inside the screen frame and also the element is hittable. NO - Default behavior (Perfecto) – An element is considered visible if that element's frame is inside the screen frame. |
| waitForPageLoad | true false (default) | Indicates whether the <i>driver.get(url)</i> method of Selenium returns synchronously, i.e. only after the page is loaded, or asynchronously (default), i.e. immediately after sending the request and before the page is actually loaded in the browser. |

Android

| Capability | Value | Description |
|--------------------------------|---|--|
| appActivity | | Activity name for the Android activity you want to launch from your package. This often needs to be preceded by a <code>.</code> (e.g., <code>MainActivity</code> instead of <code>ofMainActivity</code>) |
| appPackage | | Java package of the Android app you want to run |
| appWaitActivity | | Activity name for the Android activity you want to wait for |
| appWaitPackage | | Java package of the Android app you want to wait for |
| intentAction | (default android.intent.action. MAIN) | Intent action which will be used to start activity |
| intentCategory | (default android.intent. category.LAUNCHER) | Intent category which will be used to start activity |
| intentFlags | (default 0x10200000) | Flags that will be used to start activity |
| optionalIntentArguments | | Additional intent arguments that will be used to start activity. See Intent arguments |

iOS

| Capability | Value | Description |
|-------------------------|-------|--|
| bundleId | | Bundle ID of the app under test. Useful for starting an app on a real device or for using other caps which require the bundle ID during test startup |
| processArguments | | Arguments to pass to the AUT using instruments |
| language | | Sets the iOS device language for the duration of the script |
| locale | | Sets the iOS device region settings for the duration of the script |

Note: Both **language** and **locale** expect a 'locale identifier' as a value. These capabilities are applicable to iOS devices that support the XCUITest framework.

Appium open source capabilities

In addition, Perfecto supports the list of Appium server capabilities. To reference these, click [here](#).