Selenium Mobile and Desktop Browser Test Configuration Examples

With Selenium you can test against both desktop and mobile devices, though there are limitations with Android versions and devices.

**PC/Windows/IE**

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| DesiredCapabilities caps = DesiredCapabilities.internetExplorer();  caps.setCapability("platform", "Windows 8.1");  caps.setCapability("version", "11.0"); |

**PC/Linux/Chrome**

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| DesiredCapabilities caps = DesiredCapabilities.chrome();  caps.setCapability("platform", "Linux");  caps.setCapability("version", "47.0"); |

**Mac/OSX/Safari**

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| DesiredCapabilities caps = DesiredCapabilities.safari();  caps.setCapability("platform", "OS X 10.9");  caps.setCapability("version", "7.0"); |

**Android Emulator Phone/Android 5.1**

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| DesiredCapabilities caps = DesiredCapabilities.android();  caps.setCapability("platform", "Linux");  caps.setCapability("version", "5.1");  caps.setCapability("deviceName","Android Emulator");  caps.setCapability("deviceType","phone");  caps.setCapability("deviceOrientation", "portrait"); |

**Samsung Galaxy S3 Emulator/Android 4.4**

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| DesiredCapabilities caps = DesiredCapabilities.android();  caps.setCapability("platform", "Linux");  caps.setCapability("version", "4.4");  caps.setCapability("deviceName","Samsung Galaxy S3 Emulator");  caps.setCapability("deviceOrientation", "portrait"); |

Appium Mobile and Desktop Browser Test Configuration Examples

**iPhone**

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| DesiredCapabilities caps = DesiredCapabilities.iphone();  caps.setCapability("appiumVersion", "1.5.1");  caps.setCapability("deviceName","iPhone 6");  caps.setCapability("deviceOrientation", "portrait");  caps.setCapability("platformVersion","8.4");  caps.setCapability("platformName", "iOS");  caps.setCapability("browserName", "Safari"); |

**iPad**

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| --- |
| DesiredCapabilities caps = DesiredCapabilities.iphone();  caps.setCapability("appiumVersion", "1.5.1");  caps.setCapability("deviceName","iPad Retina");  caps.setCapability("deviceOrientation", "portrait");  caps.setCapability("platformVersion","8.4");  caps.setCapability("platformName", "iOS");  caps.setCapability("browserName", "Safari"); |

**Android Phone Emulator/Android 4.4**

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| --- |
| DesiredCapabilities caps = DesiredCapabilities.android();  caps.setCapability("appiumVersion", "1.5.1");  caps.setCapability("deviceName","Android Emulator");  caps.setCapability("deviceType","phone");  caps.setCapability("deviceOrientation", "portrait");  caps.setCapability("browserName", "Browser");  caps.setCapability("platformVersion", "4.4");  caps.setCapability("platformName","Android"); |

**iPhone 6 Real Device**

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| --- |
| {  deviceName:'iPhone 6 Device',  platformName:'iOS',  platformVersion:'8.0',  browserName:'Safari',  "appium-version":"1.5.1"  } |

**Samsung Galaxy S5 Real Device**

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| {  deviceName:'Samsung Galaxy S5 Device',  platformName:'Android',  platformVersion:'4.4',  browserName:'Chrome',  name:'S5 real device google.com'  } |

**Samsung Galaxy S4 Real Device**

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| {  deviceName:'Samsung Galaxy S4 Device',  platformName:'Android',  platformVersion:'4.4',  browserName:'Chrome',  name:'S5 real device google.com'  } |