

 免費電子書

學習

appium

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# 1: appium

[Appium](#) [WebiOS](#) [FirefoxOS](#) [Android](#) [iOS](#) [Android](#) [FirefoxOS](#).

## Appium

1. API.
2. API. [WebDriverJava](#) [Objective-C](#) [Node.js](#) [JavaScript](#) [PHP](#) [Python](#) [Ruby](#) [C](#) [Clojure](#) [Perl](#).  
Selenium [WebDriver API](#).
3. .

[WebDriver](#). .

[Appium](#) [AppleUIAutomation](#) [JavaScript](#) [Instruments](#). [GoogleUiAutomatorJava](#). [Appium](#).

[Appium](#) [Selenium](#) [WebDriver](#) [JSONAPI](#).

[Appium](#) [AppleUIAutomation](#) [iOS 10](#) [Dan Cuellar](#) [iOS Auto](#). [UIAutomation](#) [iOS 10](#) [XCUI](#) [Test](#).

[AndroidUiAutomator](#) [Selendroid](#) [Android](#).

[FirefoxOS](#) [Marionette](#) [WebDriver](#) [Gecko](#).

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1.4.3	2015-06-25
1.4.1	2015521
1.4.0	201559
1.3.7	2015325
1.3.6	2014121

## Examples

Appium

### iOS

- Mac OS X 10.10.10.11.1
- XCode> = 6.07.1.1
- Apple Developer ToolsiPhoneSDK
- [iOS](#)

### Android

- [Android SDK API](#)> = 1718/19
- AppiumOS XLinuxWindowsAndroid.
  - [Linux](#)
  - [OSX](#)
  -

### FirefoxOS

- [Firefox OS](#)

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## Appium

### Node.js

```
$ npm install -g appium
$ appium
```

## Github

```
$ git clone git@github.com:appium/appium.git
$ cd appium
$ npm install
$ node .
```

## App for MacWindows

- [Appium](#)
- 

# Appium

Appium ◦

## AndroidAppium

- API17android sdk
- Node.js <https://nodejs.org/>
- Appium <http://appium.io/>
- Selenium <http://www.seleniumhq.org/download/>
- Appium jar  
<https://search.maven.org/#search%7Cga%7C1%7Cg%3Aio.appium%20a%3Ajava-client>
- .apk
  
- [www.eclipse.org/downloads/Eclipse](http://www.eclipse.org/downloads/Eclipse)
- javajdkjre
- android sdk
- JavaAndroid SDKPath◦

Windows“”◦ “”“” - > - >“”JAVA jdk;android sdk;Android;Android - >◦

- Eclipse

AndroidEclipseEclipse“”>“”◦ “”◦ “”“”“ADT”URL [https //dl-ssl.google.com/android/eclipse/](https://dl-ssl.google.com/android/eclipse/)“”URL  
“http”“https”https◦

- ANDROID\_HOME◦

ANDROID\_HOMEEclipse-> - > - >AndroidAndroidSDK“”◦ “”“” - > - >ANDROID\_HOME - >Eclipse  
SDK - > - > - >ANDROID\_HOME - >EclipseSDK - >

- Android◦ Eclipse-> - > Android Virtual Device Manager->/.->“”.->

Appium

- node.js“ <http://nodejs.org/>”。
- AppiumAppiumnode\_modulesappiumbinshift+opentypenodeappiumenter

```
infoAppium v1.3.4REV c8c79a85fbd6870cd6fc3d66d038a115ebe22efeinfoAppium REST http
0.0.0.0:4723Console LogLeveldebug infoAppium REST http0.0.0.0 4723infoConsole LogLevel
debug
```

EclipseAppiumpackage appium.com;

```
import java.net.MalformedURLException; import java.net.URL;
```

```
import org.openqa.selenium.remote.CapabilityType; import
org.openqa.selenium.remote.DesiredCapabilities; import
org.openqa.selenium.remote.RemoteWebDriver;
```

```
public class AppiumLaunch {public static void mainString args []MalformedURLException
{RemoteWebDriver; DesiredCapabilities capabilities = new DesiredCapabilities;
```

```
capabilities.setCapability("platformName", "Android");
capabilities.setCapability("deviceName", "");

capabilities.setCapability("version", "4.4.2");
capabilities.setCapability("device ID", "");
capabilities.setCapability("app-package", "");
capabilities.setCapability(CapabilityType.BROWSER_NAME, "");

capabilities.setCapability("app-activity", "");
capabilities.setCapability("takesScreenshot", true);

capabilities.setCapability("app", "C:/Users/.....apk");

driver=new RemoteWebDriver( new URL("http://127.0.0.1:4723/wd/hub"), capabilities);
System.out.println("app is launched on the device");

}
```

```
}
```

- apk
- apk。 apk。 apk<http://www.decompileandroid.com>。

Androidappium

1. appium.exeappium。
2. adbadb
3. Eclipse。 .apk。

appium <https://riptutorial.com/zh-TW/appium/topic/5122/appium>

## 2: Appium

selenium GRIDAppium. ◦

### Examples

GRIDAppium. AppiumSelenium Grid

#### 1. seleniumseleniumjarjar

```
java -jar selenium-server-standalone-2.53.3.jar -role hub
Open http://localhost:4444/grid/console and you should be able to see GRID console in your browser.
```

2. Appiumjson. json. json{"capabilities":[{"applicationName" "ONEPLUS A3003" "browserName" "ONEPLUS A3003" "platformName" "ANDROID" "maxInstances" 1}] "configuration" {"cleanUpCycle" 2000 "timeout" 30000 "proxy" "org.openqa.grid.selenium.proxy.DefaultRemoteProxy" "host" "127.0.0.1" "port" 4723 "maxSession" 1 "register" true "registerCycle" 5000 "hubPort" 4444 "hubHost" "ip"}}}jsonFile1.json  
applicationName - > - > - > - >hubHostIPcmd

```
appium --nodeconfig C/richa/jasonfile1.json -p 4723 -bp 4724 -U xxxx
```

```
ijsonpasthii4723 iiiBootstrap4724 iv-Uxxxx
```

```
ID - > - > - > - >"adb device"ID.
```

Selenium Grid.

jsonappiumjson

```
{"capabilities":[{"applicationName" "Lenovo K50a40" "browserName" "Lenovo K50a40" "platformName" "ANDROID" "maxInstances" 1}] "configuration" {"cleanUpCycle" 2000 "30000" "org.openqa.grid.selenium.proxy.DefaultRemoteProxy" "" "127.0.0.1" "" "4730" "maxSession" 1 "" "true" "registerCycle" 5000 "hubPort" 4444 "hubHost" "" "ip"}}}jsonFile2.json
```

```
Lenovo Mobile. appium --nodeconfig C/ richa / jasonFile2.json -p 4730 -bp 4731 -U xxxx
```

Selenium Grid

3TestNG.

```
- >udid. adb.
```

#### 4.

```
SearchHotelTestCase.Javapackage com.trivago.TestCases;
```



```

import java.net.MalformedURLException; import java.net.URL; import
java.util.concurrent.TimeUnit;

import org.openqa.selenium.remote.DesiredCapabilities; import
org.openqa.selenium.remote.RemoteWebDriver; import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Parameters; import org.testng.annotations.Test;

import com.trivago.pages.LocaleSelectionPage; import com.trivago.pages.SearchLocation; import
com.trivago.pages.SplashScreenPage;

import io.appium.java_client.MobileElement; import io.appium.java_client.android.AndroidDriver;

SearchHotelTestCase {private AndroidDriver driver;

@Parameters{"deviceName _""platformVersion _""applicationName _"}@BeforeMethod public void
beforeMethod(String deviceName_ String platformVersion_ String applicationName_
MalformedURLException InterruptedException {

DesiredCapabilities capabilities = new DesiredCapabilities; capabilities.setCapability("deviceName"
deviceName_); capabilities.setCapability("platformVersion"platformVersion_);
capabilities.setCapability("platformName""Android"); capabilities.setCapability("applicationName"
applicationName_); capabilities.setCapability("app""/ Users /richa.b.shrivastava / Download /
com.trivago_2017-04-28.apk"); capabilities.setCapability("appPackage""com.trivago");
capabilities.setCapability("appActivity""com.trivago.activities.SplashActivity");

URL url = new URL " http://0.0.0.0:4723/wd/hub/ "; System.out.println("webdriver"); driver = new
AndroidDriver(url,capabilities; System.out.println("webdriver"); driver.manage(). timeouts().
implicitlyWait(10,TimeUnit.SECONDS);Thread.sleep(4000); }

@Test public void SearchHotel(){LocaleSelectionPage localeSelectionPage = new
LocaleSelectionPage(driver; SplashScreenPage splashScreenPage =SplashScreenPage;
SearchLocation searchLocation = new SearchLocation(driver;

//localeSelectionPage.selectLocale; splashScreenPage.clickSplashSearchText;
searchLocation.inputSearchText(""); searchLocation.selectSuggestions("");

}

}

```

Appium <https://riptutorial.com/zh-TW/appium/topic/10016/appium>

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# 3: Java

JavaAPI

Java

## Examples

### Android Play

- pom.xml
- src // JAVA / PlayStoreAutomation.java

```
mvn test -Dtest = PlayStoreAutomation
```

### PlayStoreAutomation.java

```
import org.junit.AfterClass;
import org.junit.BeforeClass;
import org.junit.Test;
import io.appium.java_client.android.AndroidDriver;
import io.appium.java_client.android.AndroidKeyCode;
import io.appium.java_client.MobileElement;
import org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.By;
import java.util.concurrent.TimeUnit;
import java.net.URL;

public class PlayStoreAutomation {
    public static AndroidDriver<MobileElement> driver;

    @BeforeClass
    public static void setUp() throws Exception {
        DesiredCapabilities capabilities = new DesiredCapabilities();
        capabilities.setCapability("platformName", "Android");
        capabilities.setCapability("deviceName", "Android Device");
        capabilities.setCapability("appPackage", "com.android.vending");
        capabilities.setCapability("appActivity",
"com.google.android.finsky.activities.MainActivity");

        driver = new AndroidDriver<MobileElement>(new URL("http://localhost:4723/wd/hub"),
capabilities);
        driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
    }

    @AfterClass
    public static void tearDown() {
        driver.quit();
    }

    @Test
    public void testPlayStore() throws Exception {
        driver.findElement(By.id("com.android.vending:id/text_container")).sendKeys("Google");
    }
}
```

```

        driver.pressKeyCode(AndroidKeyCode.ENTER);

        // First item in the search result by Xpath
driver.findElement(By.xpath("//android.support.v7.widget.RecyclerView[1]/android.widget.LinearLayout[1]

        // Confirm element found
        driver.findElement(By.xpath("//android.widget.TextView[@text='Google']"));
    }
}

```

## pom.xml

```

<project xmlns="http://maven.apache.org/POM/4.0.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>

    <groupId>com.testner.appium</groupId>
    <artifactId>tester-tests</artifactId>
    <version>1.0-SNAPSHOT</version>

    <dependencies>
        <dependency>
            <groupId>io.appium</groupId>
            <artifactId>java-client</artifactId>
            <version>4.0.0</version>
        </dependency>
        <dependency>
            <groupId>junit</groupId>
            <artifactId>junit</artifactId>
            <version>4.12</version>
        </dependency>
    </dependencies>

    <build>
        <plugins>
            <plugin>
                <artifactId>maven-compiler-plugin</artifactId>
                <version>3.1</version>
                <configuration>
                    <source>1.8</source>
                    <target>1.8</target>
                </configuration>
            </plugin>
            <plugin>
                <groupId>org.apache.maven.plugins</groupId>
                <artifactId>maven-surefire-plugin</artifactId>
                <version>2.10</version>
                <configuration>
                    <reportsDirectory>${project.build.directory}/reports</reportsDirectory>
                </configuration>
            </plugin>
        </plugins>
    </build>
</project>

```

Java <https://riptutorial.com/zh-TW/appium/topic/6195/java>

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2	Appium	<a href="#">Richa Shrivastava</a>
3	Java	<a href="#">Domestus</a>