

Presentation

ANN HU

主題

▶ 測試說明

在 KKBOX 我們會透過 RAT 來評估軟體的品質是否符合最基本的預期, 這類型的測試著重於測試廣度而非深度, 請協助 KKBOX 設計與建置其自動化測試方案來縮短每次測試所需時間.

▶ 測試功能

- ▶ 線上精選
- ▶ 播放
- ▶ 搜尋

▶ 測試對象

- ▶ KKBOX Web Player (可使用 Selenium 或其他類似工具)

測試介面

KKBOX


我的音樂庫

線上精選

電台


一起聽

名人分享歌單




最近想推薦的歌
2017-11

陳奕迅




中國有嘻哈！中文饒舌
多元的樣貌

老饕




我那年代的熱門金曲

林姓主婦




Oh!這樣的下午

政大之聲 VNCCU




Hip Hop For Moms ~
母親節嘻哈精選

NTU Hip-hop 台大...




chill

聽眾少女組-聽謬



我的媽啊~

華語音樂家族 FORW...



午後白日夢

華夏金曲獎品牛

KKBOX


田馥甄

我的音樂庫


線上精選

電台

一起聽



田馥甄 (Hebe)



田馥甄 (Hebe)+ 井柏然

專輯

檢視全部結果

歌手

田馥甄 (Hebe)

田馥甄 (Hebe)+ 井柏然

歌曲

專輯

田馥甄 夢想的聲音現場Live版

田馥甄 (Hebe)

田馥甄To Hebe Live 音樂會

田馥甄 (Hebe)

IF only 如果 田馥甄 巡迴演唱會 Liv...

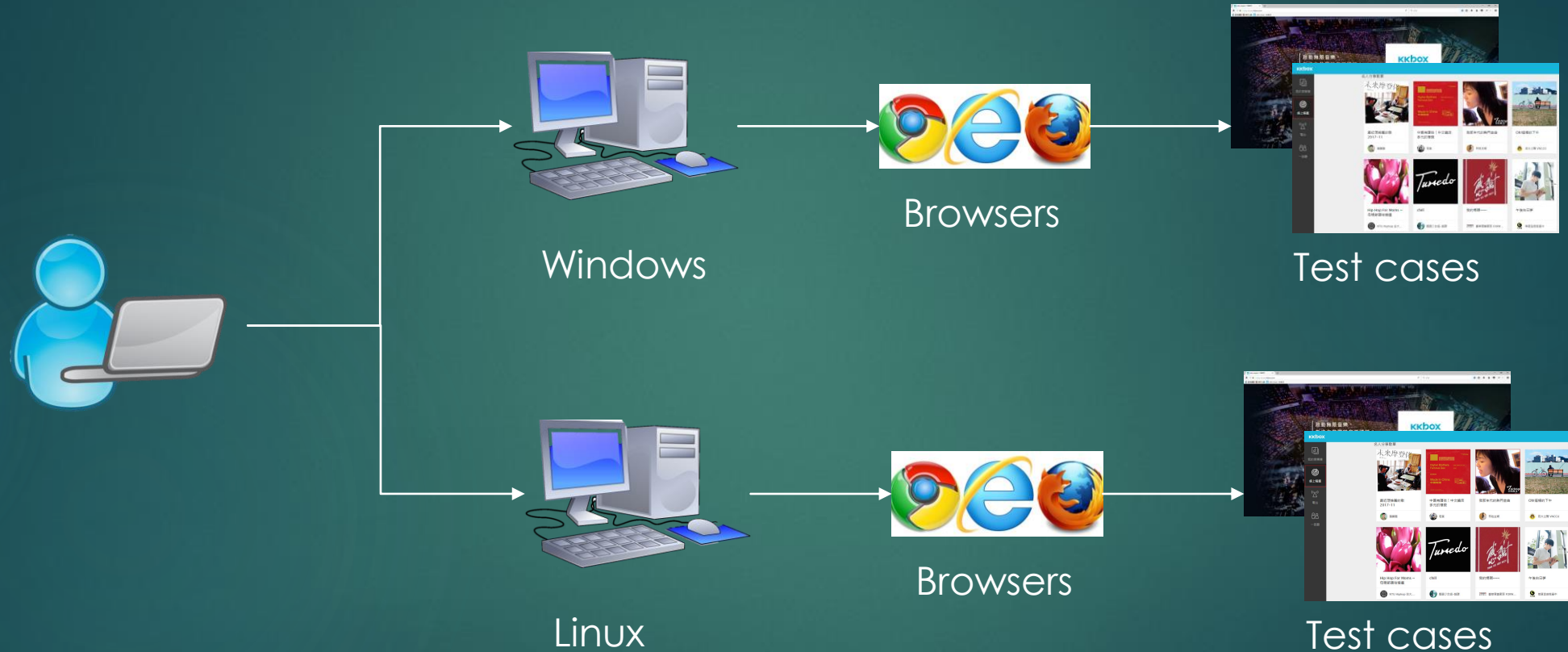
田馥甄 (Hebe)

更多

RAT

- ▶ Platform
 - ▶ Windows 7 or 10, LINUX
- ▶ Browser
 - ▶ IE, Firefox, Chrome
- ▶ Function
 - ▶ KKBOX web player (<https://play.kkbox.com/>)
 - ▶ Login
 - ▶ 線上精選
 - ▶ 搜尋功能
 - ▶ Queryable
 - ▶ Input Character(中文, 英文, 特殊字元!@#\$\$%^&)
 - ▶ 播放功能

Concept

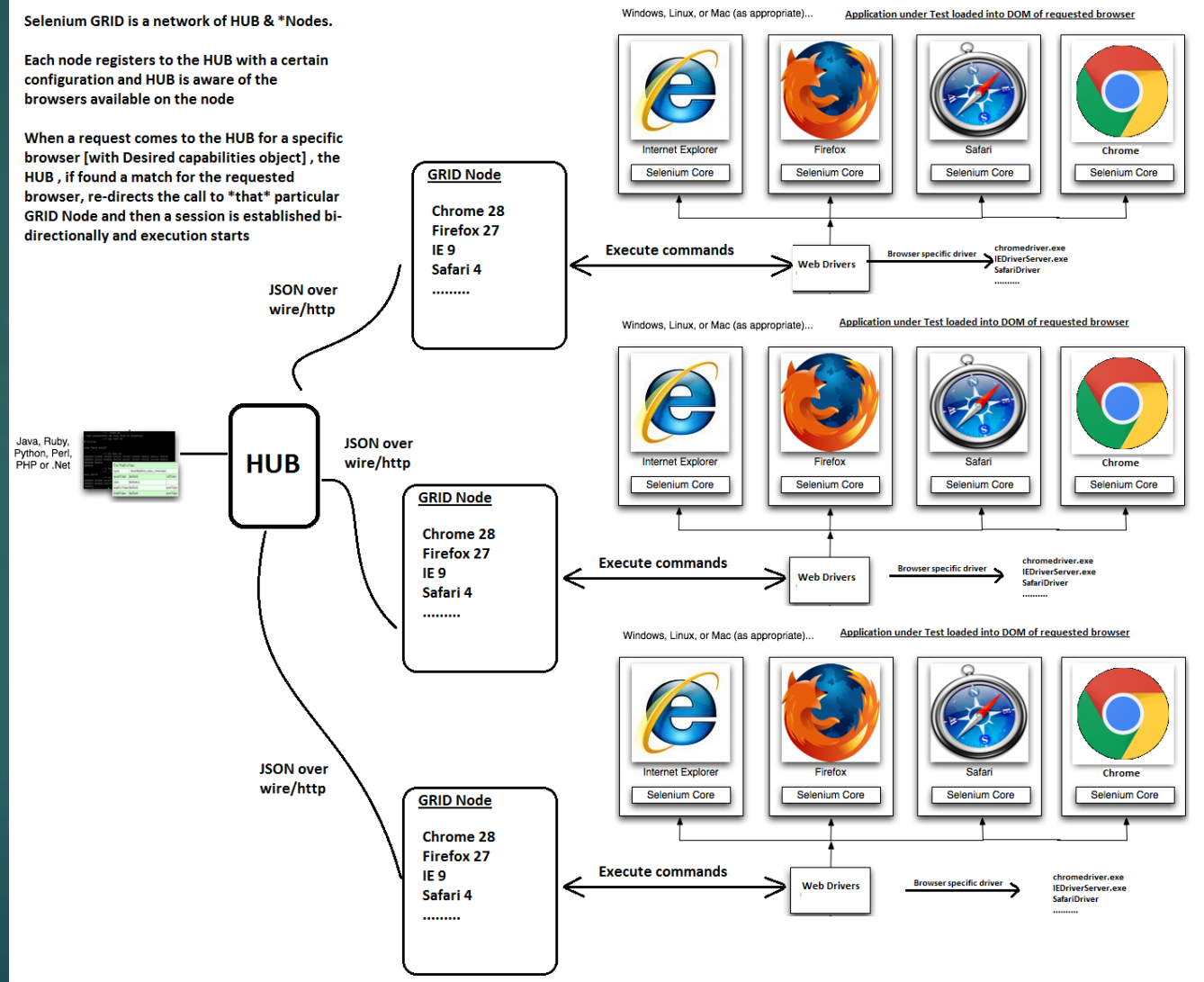


Selenium Grid

Selenium GRID is a network of HUB & *Nodes.

Each node registers to the HUB with a certain configuration and HUB is aware of the browsers available on the node

When a request comes to the HUB for a specific browser [with Desired capabilities object], the HUB, if found a match for the requested browser, re-directs the call to *that* particular GRID Node and then a session is established bi-directionally and execution starts



Grid console

The screenshot displays the Selenium Grid Console v.3.4.0 interface in a web browser. The browser's address bar shows the URL `localhost:4444/grid/console#`. The interface features a dark blue header with the Selenium logo and the text "Grid Console v.3.4.0". A "Help" link is located in the top right corner of the header.

The main content area is divided into four panels, each representing a "DefaultRemoteProxy (version : 3.4.0)".

- Top-left panel:** id : `http://192.168.0.18:5555`, OS : WIN10. It has tabs for "Browsers" and "Configuration". Under "WebDriver", it shows three versions (v:), each with five browser icons (Chrome, Firefox, Safari, Edge, Internet Explorer).
- Top-right panel:** id : `http://192.168.0.40:5555`, OS : LINUX. It has tabs for "Browsers" and "Configuration". Under "WebDriver", it shows three versions (v:), each with five browser icons.
- Bottom-left panel:** id : `http://192.168.0.18:7777`, OS : WIN10. It has tabs for "Browsers" and "Configuration". Under "WebDriver", it shows three versions (v:), each with five browser icons.
- Bottom-right panel:** id : `http://192.168.0.40:7777`, OS : LINUX. It has tabs for "Browsers" and "Configuration". Under "WebDriver", it shows three versions (v:), each with five browser icons.

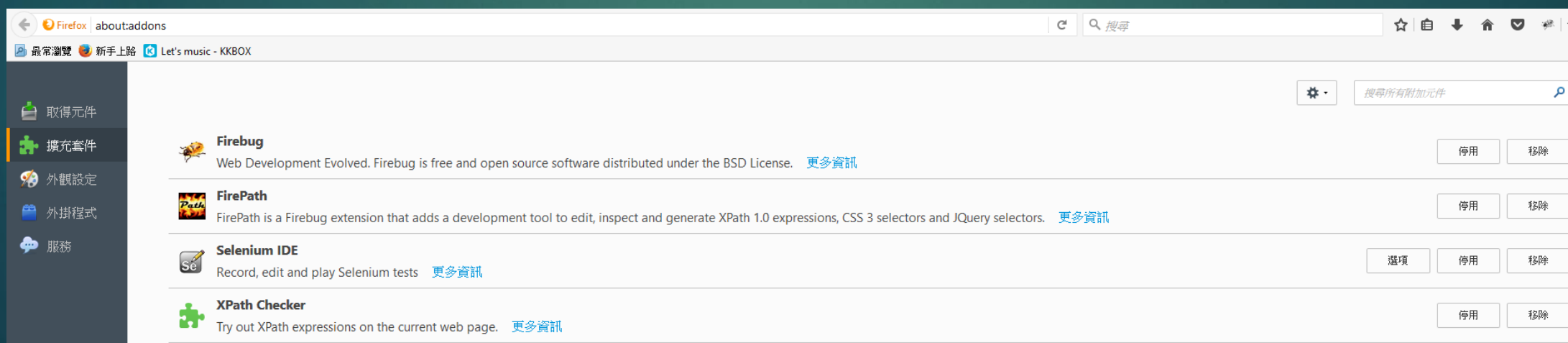
At the bottom left of the interface, there is a link labeled [view config](#).



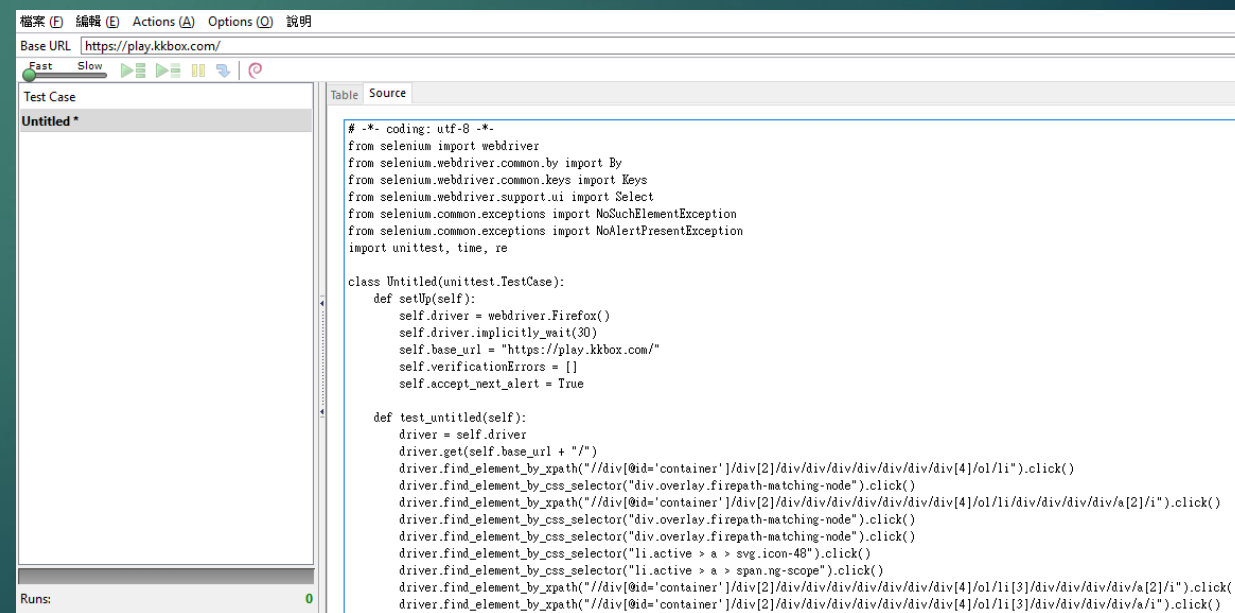
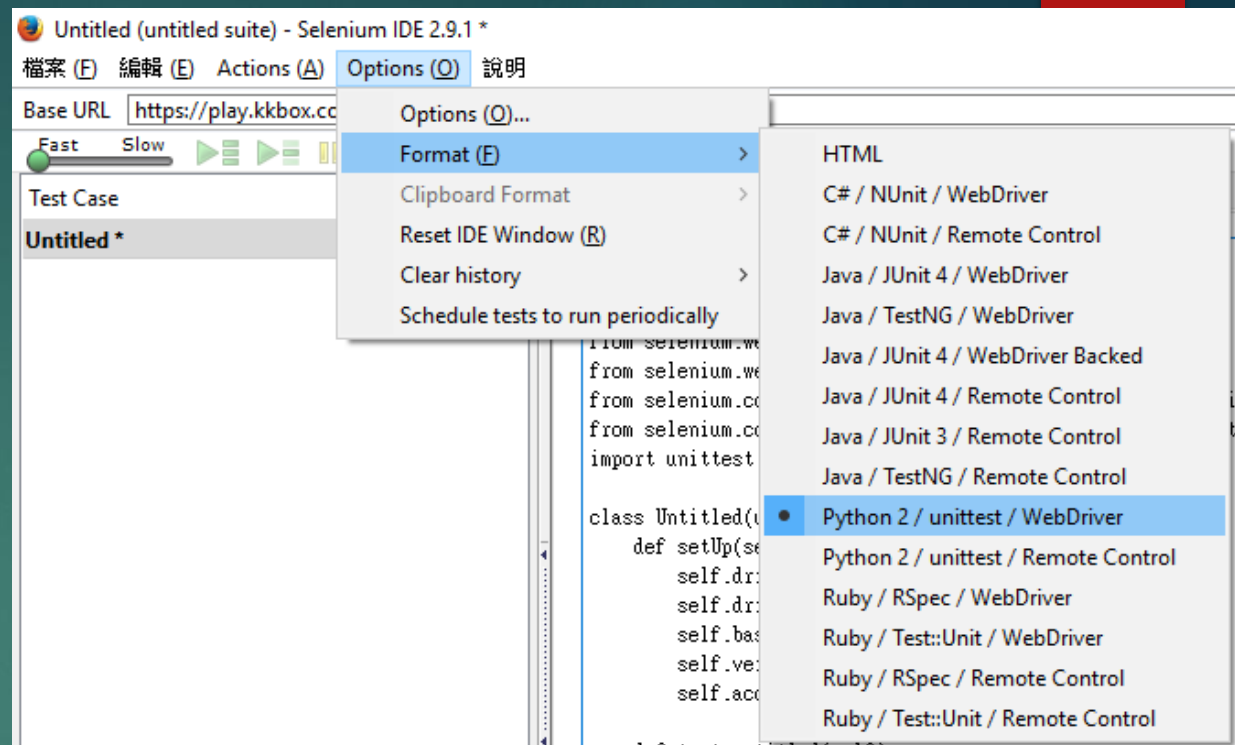
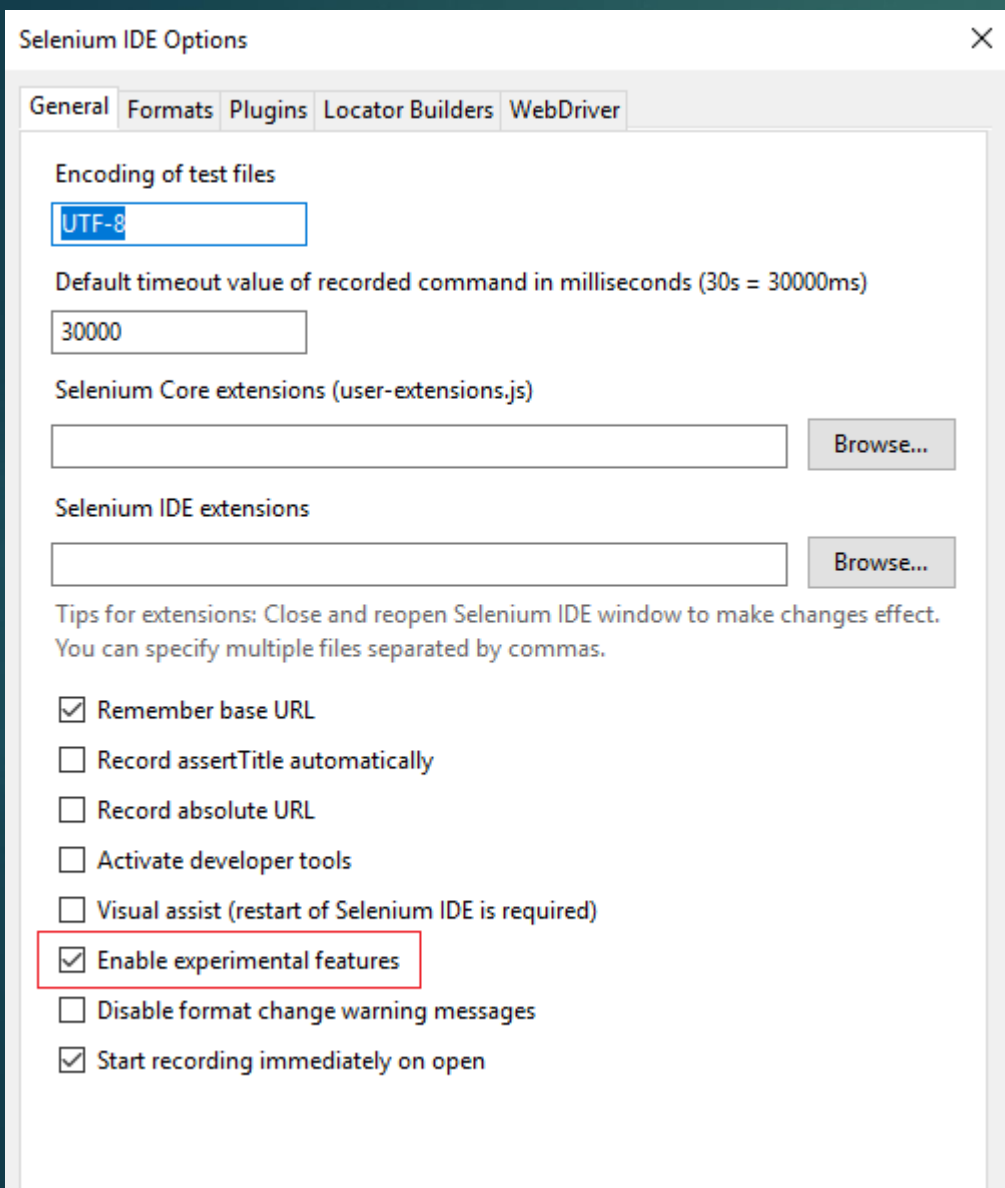
Demo

Selenium client

- ▶ Python IDE
- ▶ Python 3 or Anaconda
- ▶ Pip install selenium
- ▶ Firefox plug-ins(Firebug, FirePath, Selenium IDE, Xpath Checker)



Selenium IDE



FirePath

KKBOX

您搜尋的關鍵字為 田馥甄

歌手

田馥甄 (Hebe)

田馥甄 (Hebe)+井柏然

檢視全部結果

歌手 更多 >

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田馥甄 (Hebe)

Top Window Highlight CSS: (X) .overlay-action>a

XPath: (X)

CSS: (C)

Sizzle: (S)

```
<!-- ngRepeat: playlist in search.playlists | limitTo:5 track by playlist.id -->
<li class="ng-scope" ng-repeat="playlist in search.playlists | limitTo:5 track by playlist.id">
  <div class="playlist">
    <div class="cover" title="" ng-click="app.go('playlist', (playlist_id: playlist.id))">
      
    <div class="overlay">
      <div class="overlay-action">
        <a analytics-on="click" analytics-events="Share" analytics-category="Search" analytics-label="0mhp10TJy7BGfuy8V3" ng-click="search.socialShare($event, playlist.title, playlist.share_url)">
        <a analytics-on="click" analytics-events="Play_All" analytics-category="Search" analytics-label="0mhp10TJy7BGfuy8V3" ng-click="search.playPlaylistSongs($event, playlist.id)">
        <a analytics-on="click" analytics-events="Add_All" analytics-category="Search" analytics-label="0mhp10TJy7BGfuy8V3" ng-click="search.addPlaylistSongs($event, playlist)">
      </div>
    </div>
  </li>
</div>
<div class="height-wrap">
  <div class="playlist-sharer">
```

Reference

- ▶ <http://docs.seleniumhq.org/>
- ▶ <https://gist.github.com/dzitkowskik/0fc641cf59af0dc3de62>
- ▶ `java -jar selenium-server-standalone-3.4.0.jar -h`