# lumira-extension-da-google-and-youtube-analytics

A Lumira Data Access Extension (SDK\_V2) to access YouTube Analytics and Google Analytics

Google/YouTube Analytics Extension - SAP Lumira Data Access Extension SDK V2

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This extension provides a working example of consuming GoogleAnalytics Core Reporting and YouTube Analytic Reports in Lumira 1.25 and above.

Install the Sample Extension

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\* Open Extension Manager, `File > Extensions`

\* Click `Manual Installation`

\* Select the zip file from `\target`

\* Restart SAP Lumira Desktop

\* If you do not have a Google API Client ID and API Key (required) please create them:

Go to: <https://console.developers.google.com/>

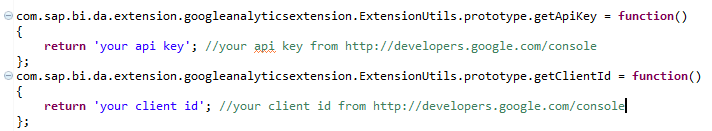
You will need to create a Public API access Key and Create a Client ID for web applications.

You also need to add a javascript origin (e.g. <http://127.0.0.1:8082>)

(the port depends on what SAP Lumira Desktop is using could also be: 64783)

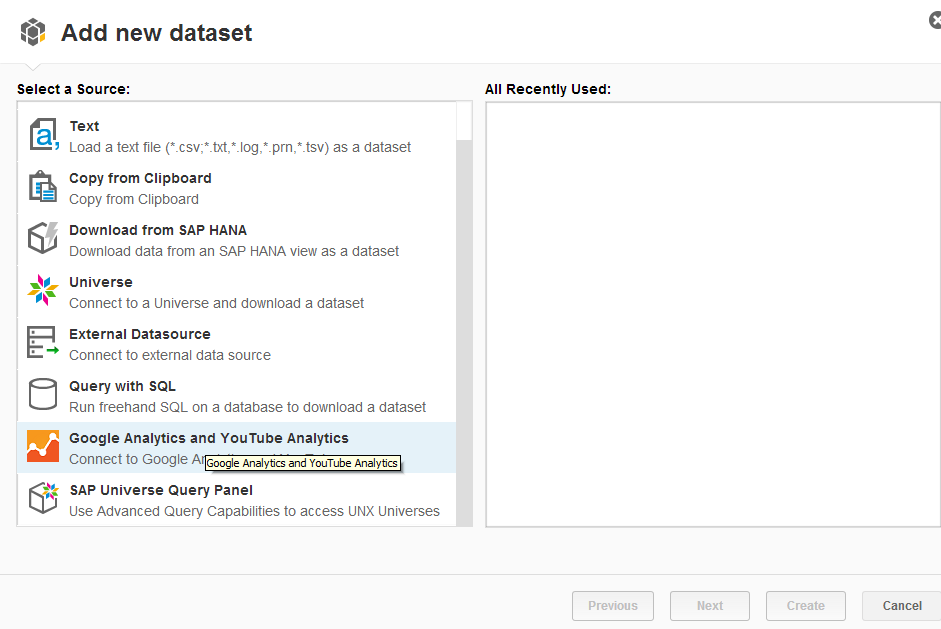
Once you have both add them in:

‘WebContent\com\sap\bi\da\extension\googleanalyticsextension\ExtensionUtils.js’ like this:

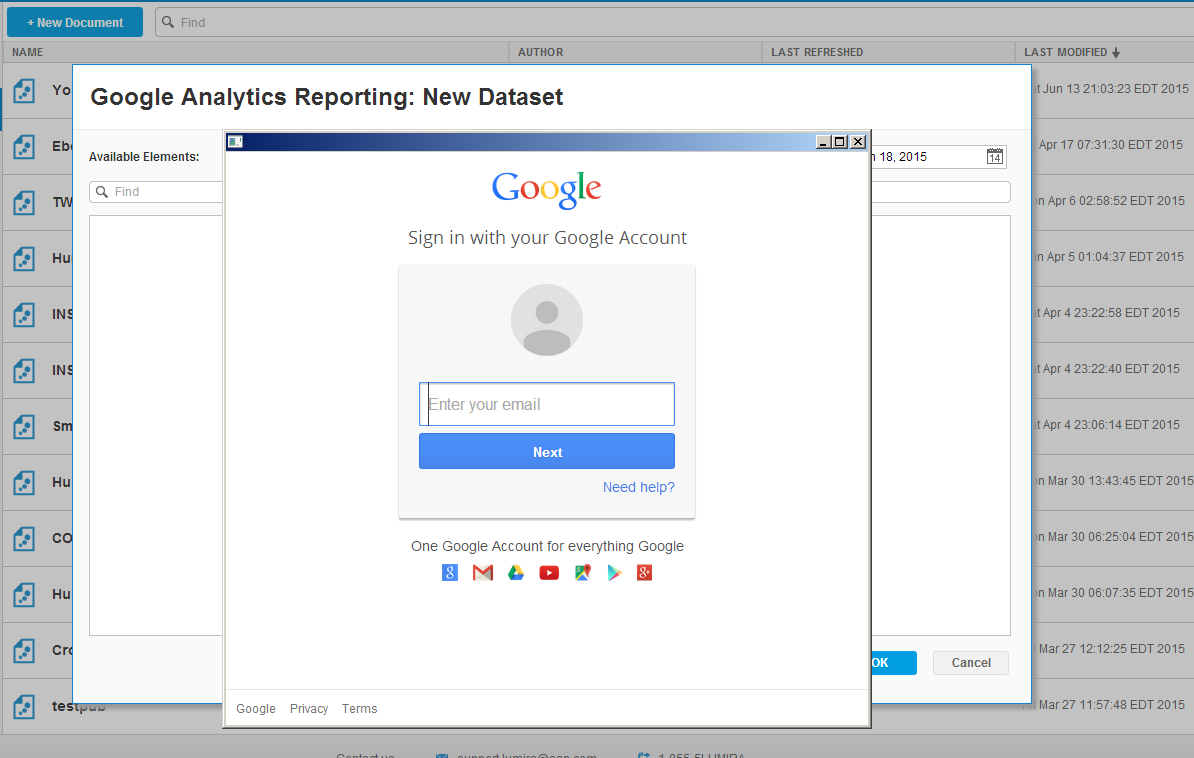


\* Back in SAP Lumira Desktop Select `File > New Dataset`

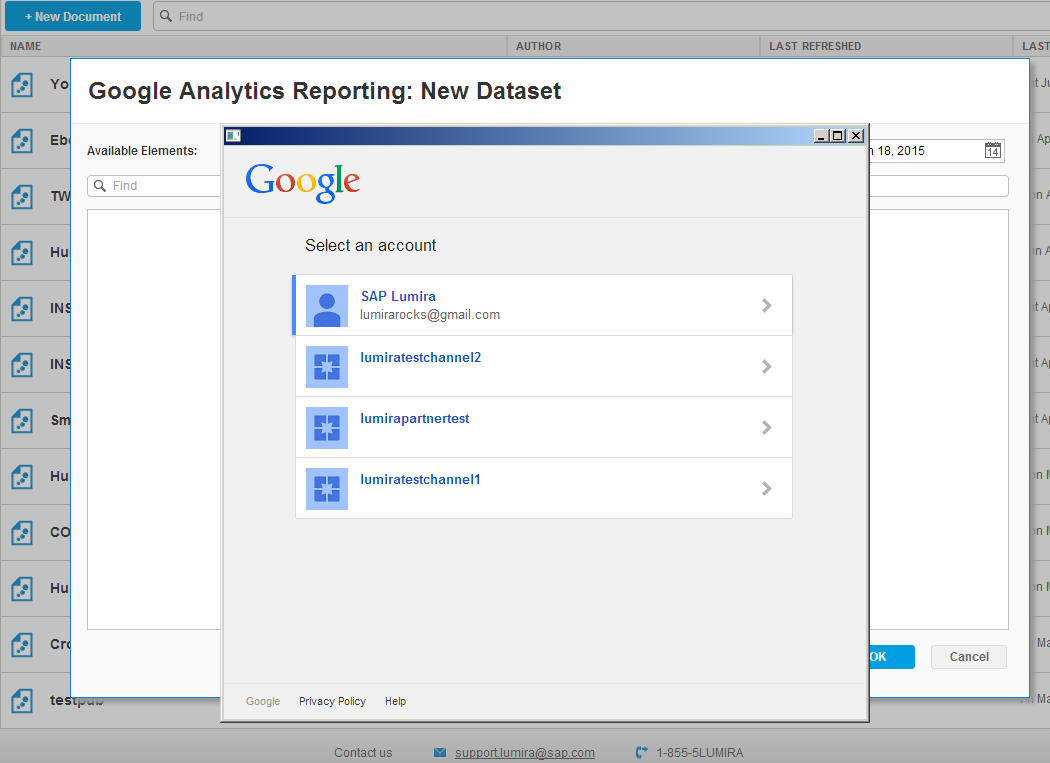
\* Select `Google Analytics and YouTube Analytics` from the list of connectors:



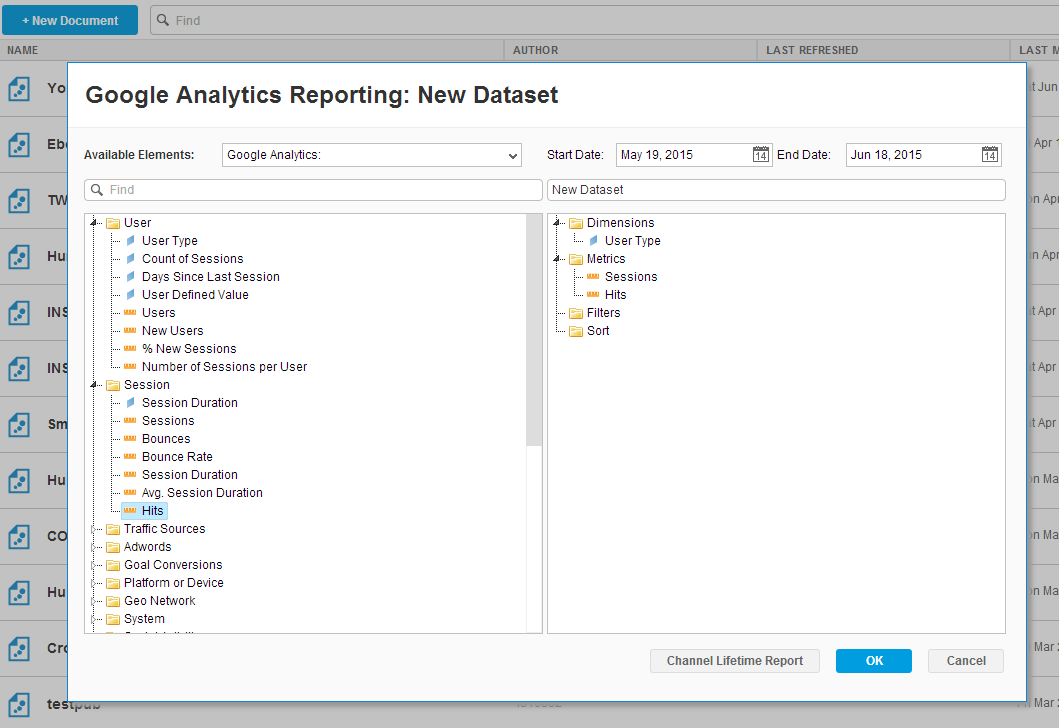
\* The Google login dialog will open: (enter user/password)



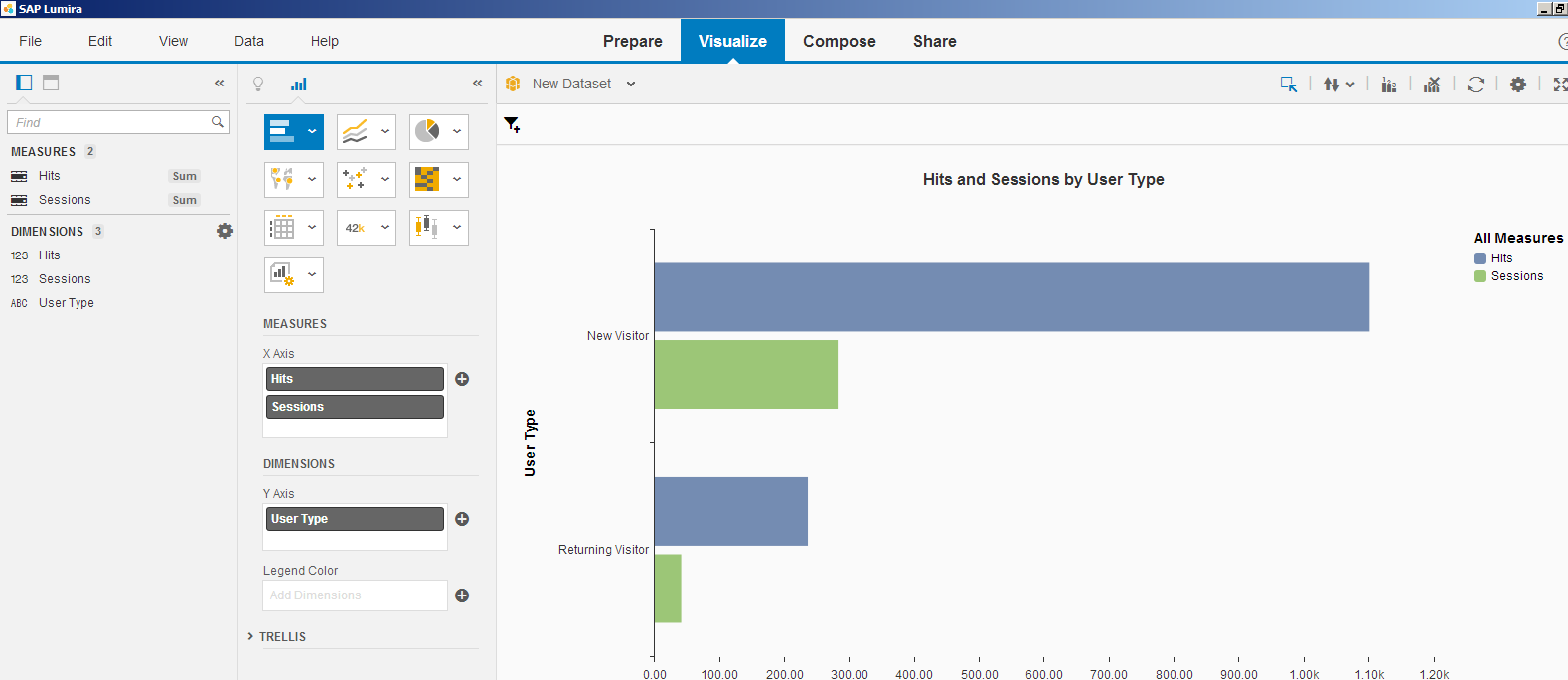
* Depending on what you have access to, you will see either a GA Web Profile or YouTube Channel or both(pick one depending which you want to access). Another dialog may open asking you to authorize Lumira to access the selected account’s data:



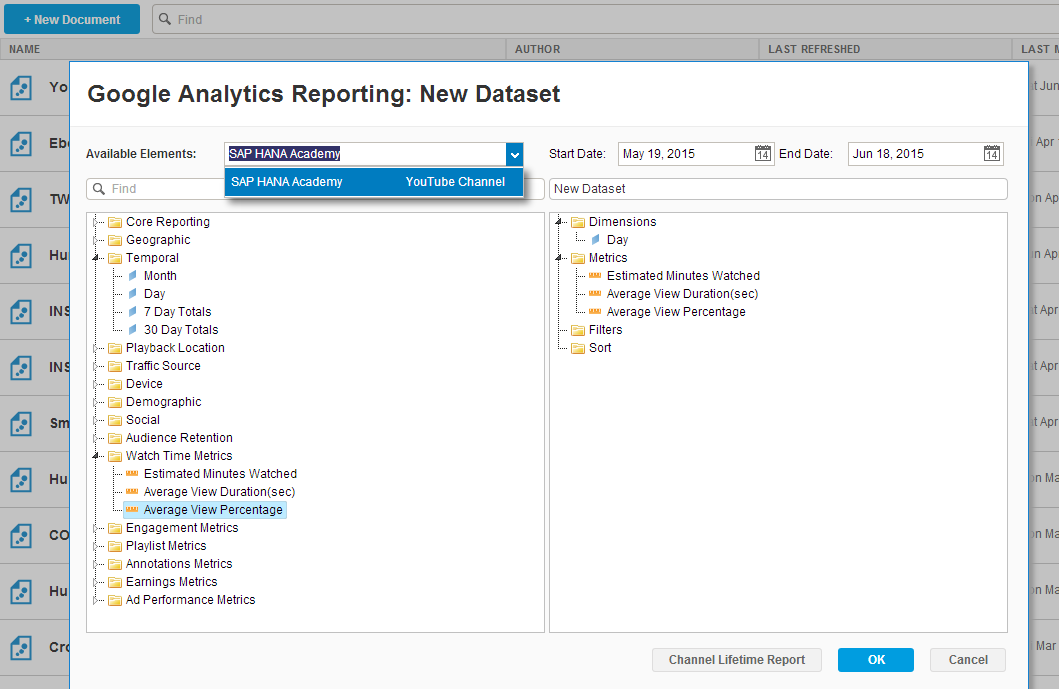
* If you picked Google Analytics the metadata will be queried and the dimension/metric selection dialog will open where you can choose the data elements and date range:



\* Click OK to acquire the data and create a new visualization:



* If you picked YouTube the metadata will look like this:



For More info on the types of queries you can run please go to: (<https://developers.google.com/youtube/analytics/v1/available_reports>)

Development Environment Setup

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\* Requirements

+ SAP Lumira 1.25

+ Java Development Kit 7, Update 75 or later

+ Eclipse Luna IDE for Java EE Developers

\* Edit `docs\eclipse.bat`

+ Set `ECLIPSE\_HOME` to your eclipse installation

+ Set `JAVA\_HOME` to your JDK installation

Build the Extension

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\* Import project into eclipse

+ Open the file `platform.target`

+ Click `Set as Target Platform` button in the top right

+ Ignore any errors displayed on `plugin.xml`

\* Run `export.xml` using Ant `Run As > Ant Build`

\* Install the extension zip generated in the `target` folder

Resources

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\* Documentation - [help.sap.com/lumira](http://help.sap.com/lumira)

\* Developer Guide - [SAP Lumira v2 Data Access Extension SDK Developer guide](http://help.sap.com/businessobject/product\_guides/vi01/en/lum\_125\_dae\_dev\_en.pdf)

\* SCN Blog post - [Coming soon](http://www.sap.com)

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[1]: https://github.com/SAP/lumira-extension-da-sample