

SOCIAL HUB

(Rev. 2.2 ENG)

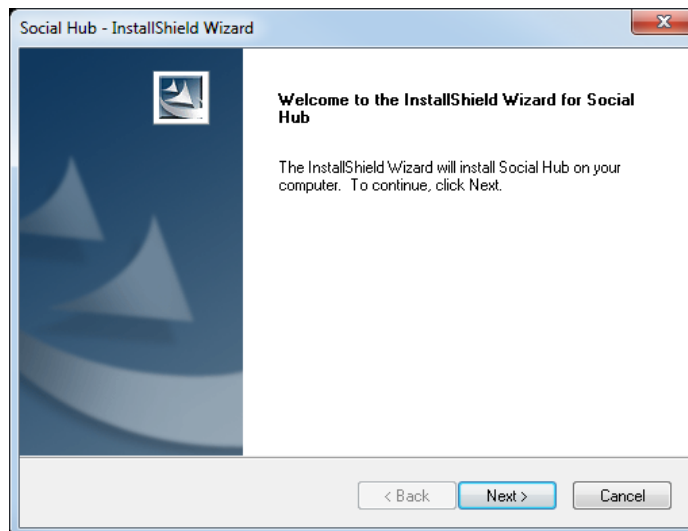


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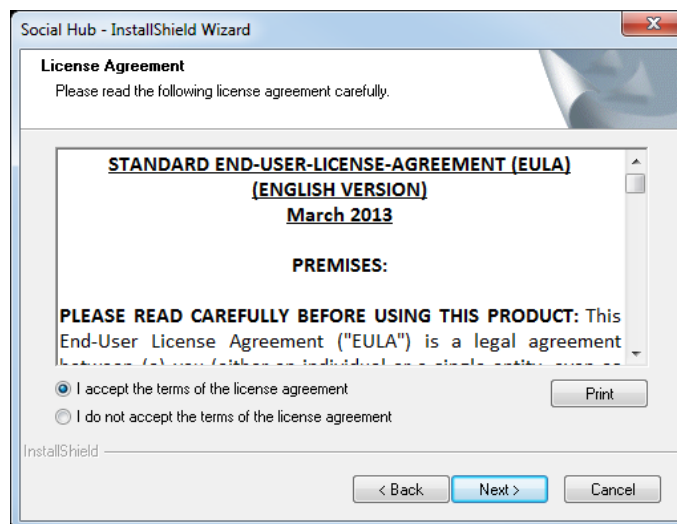
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1 INSTALLATION

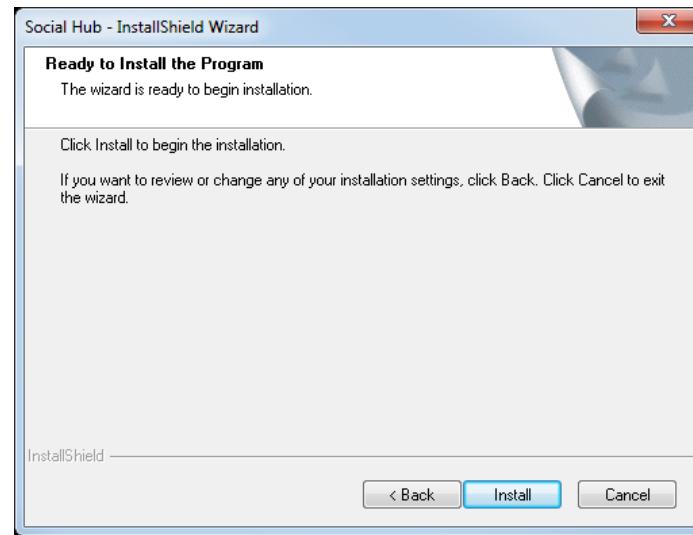
Run install shield



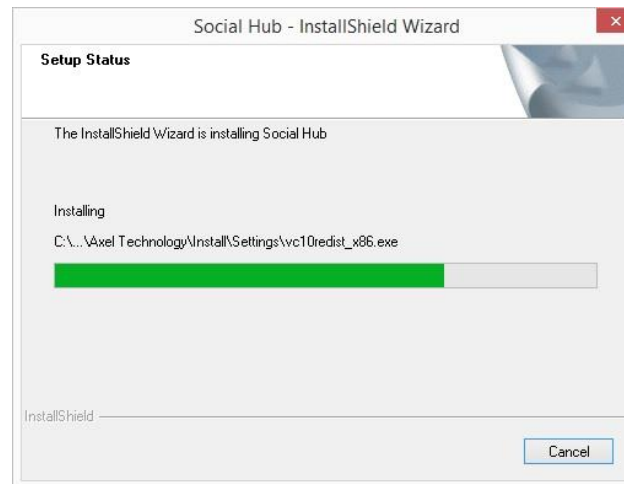
Choose Next



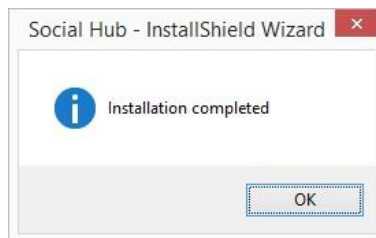
Check "I accept the terms of the license agreement" and choose Next



Click on Install to start the installation

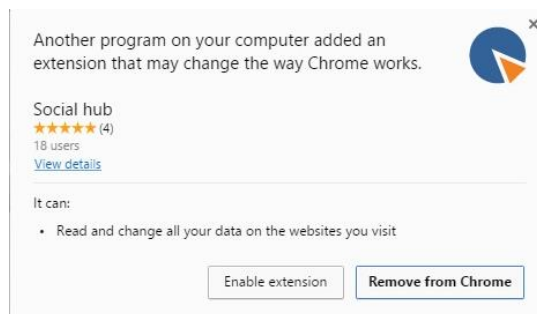


After the InstallShield click on OK to end installation




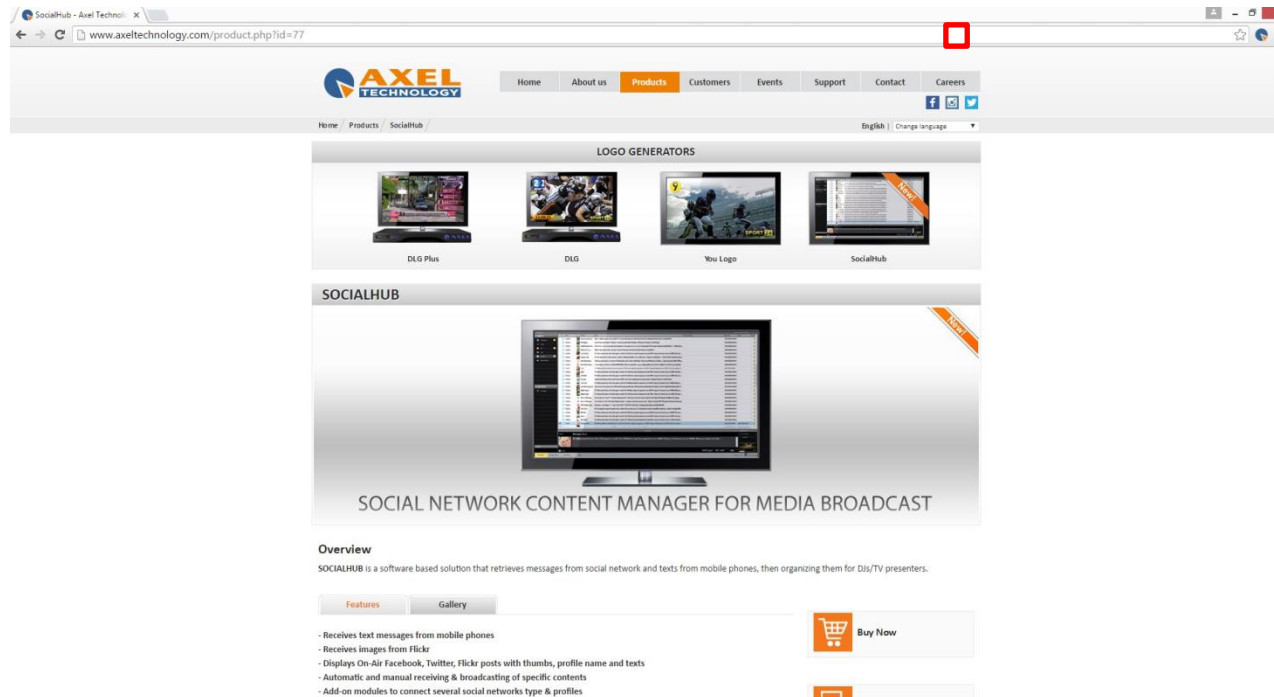
If you do not have Google Chrome in your Pc, Social Hub will install it for you and a Google Chrome web page will be opened automatically.

In Google Chrome browser click on the top-right button  and click on . A window will appear as shown in the following picture:



click on Enable Extension

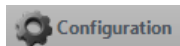
You will see the  extension symbol at the top-right as shown in the following picture:



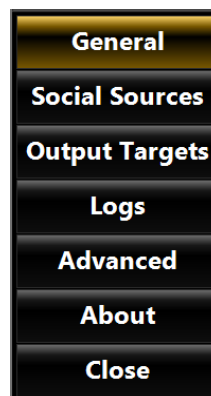
Now you are ready to start!

2 CONFIGURATION

After installation, it is necessary to configure the software.
Run Social Hub and click on the Configuration button



On the left side of the configuration window there is the list of the various sections to be configured:



2.1 GENERAL

Language

Select the language of the software

Automatically connect sources at startup

If selected, Social Hub will automatically connect to the configured sources at every startup

Maximum Chars Limit

To display your messages you can decide here the Maximum characters numbers allowed.

Automatically download attachment messages

Decide if you want to publish messages attachments.

Download attachment default path

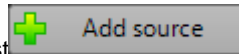
Set the downloading path for your attachments.

Create download attachment type subfolder

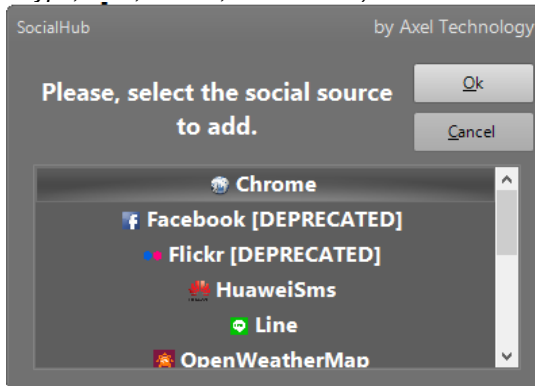
If you also want to divide attachments in categories, you can create different subfolders by clicking this checkbox. In the attachment default path you will find IMAGE subfolders

2.2 SOCIAL SOURCES

Click on **Add source** to configure a new social source to the list



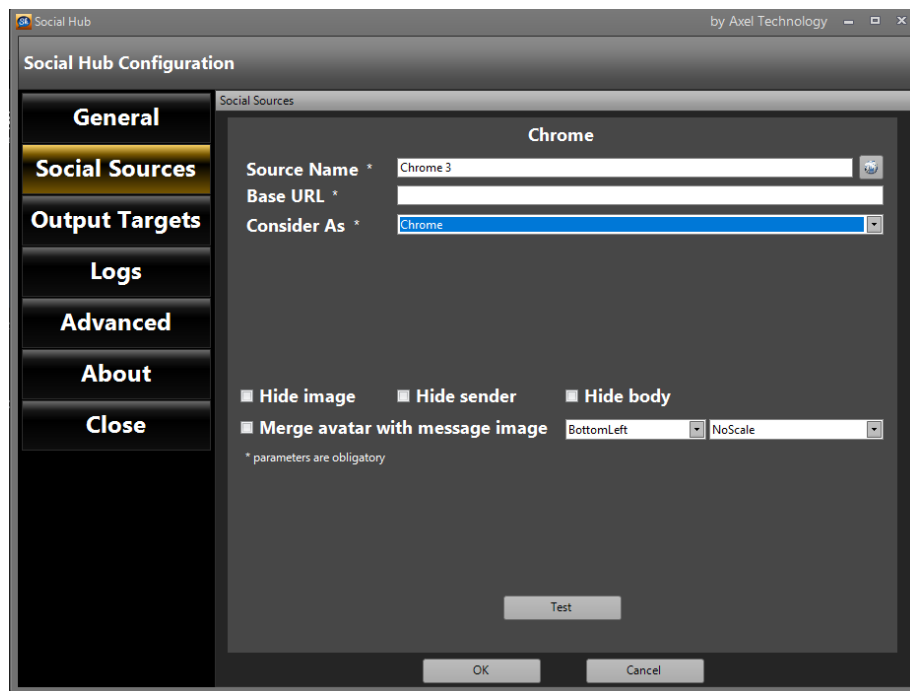
This action will open a window in which it is possible to select the social network to be configured (*Custom, Email, Facebook, Flickr, Instangram, Line, OpenWeatherMap, Rss, Skype, Sms, Twitter, Watchfolder*)




Select the social network and click **Ok**

2.2.1 Chrome

This source type is the CHROME WEB PAGES source. This source allows you to send to your playout all the selected text contents from every web page on the browser **Google Chrome**.



Source name: Choose a name to identify your Chrome source in a fast way

 : by clicking on this button you can assign a different representative image for the source

Base URL: if it is necessary you can type here the only URL from which is possible to export contents.

Consider As: It is possible to forward the message selected into Chrome as coming from a different social network source except from the same Chrome source.

Hide image: in every target the sender image will be hidid

Hide sender: In every target the sender name/nick name will be hidid

Hide body: In every target the message body will be hidid

Merge avatar with message image: In every target the sender image will be substituted with the social logo

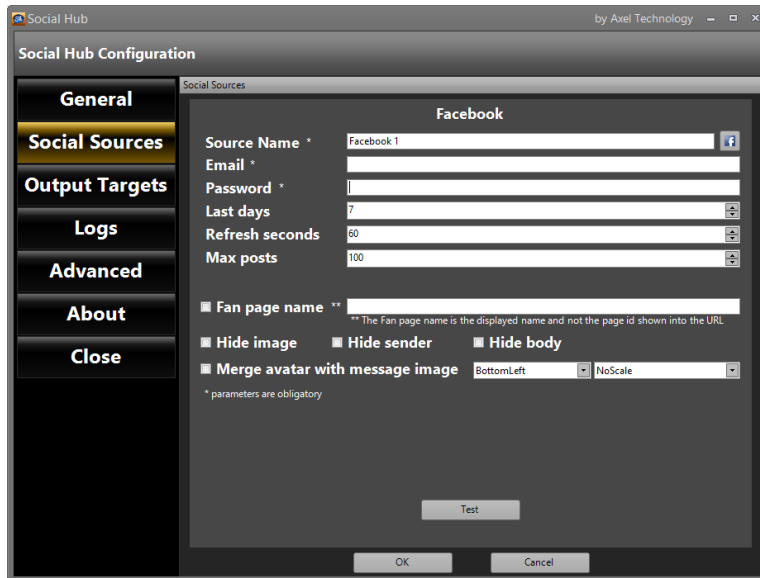
Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo


Test: Test the connection

2.2.2 Facebook [DEPRECATED]

This source type is the Facebook source. This source allows you to send to your playout all the desired Facebook posts. Set here the parameters related to your Facebook account.



Source name: Choose a name to identify your Facebook source in a fast way

 : by clicking on this button you can assign a different representative image for the source

Email: Email of the Facebook account

Password: Password of the Facebook account

Only the message body will be forwarded to your playout

Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo

Test: With all the deprecated social sources the TEST connection has not to be executed.

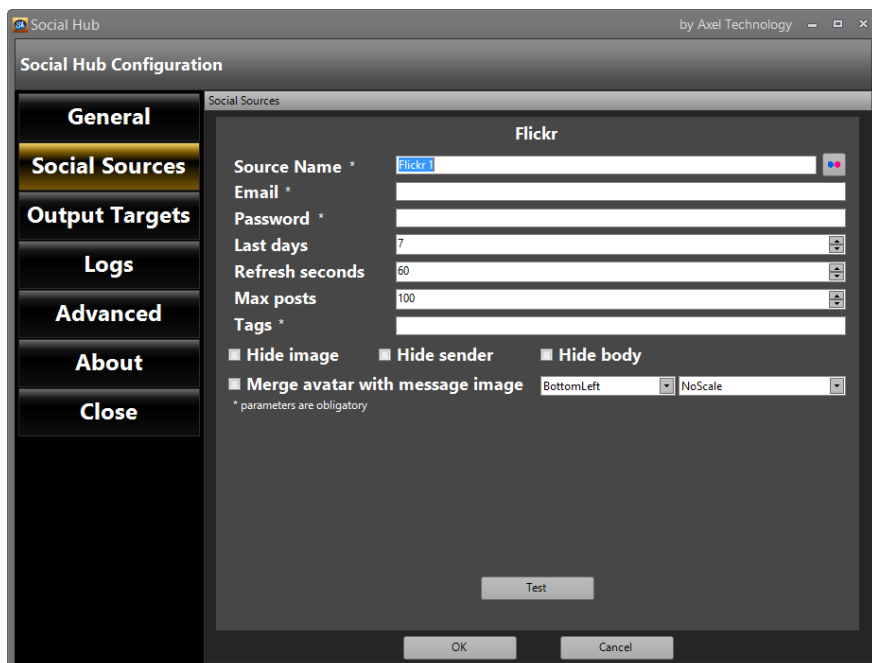
Simply typing your email and password and by clicking on OK, social hub will login to your facebook account on chrome.

Every time you are on your Facebook account on the chrome where the plugin is installed at www.facebook.com, you can send each selected post to social hub and social hub will receive the post


from this Facebook source (not from the Chrome source).

2.2.3 Flickr [DEPRECATED]

This source type is the Flickr source. This source allows you to send to your playout all the desired Flickr posts.



Source name: Choose a name to identify your Flickr source in a fast way

: by clicking on this button you can assign a different representative image for the source

Email: Email of the Flickr account

Password: Password of the Flickr account

Only the message body will be forwarded to your playout

the social logo

Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo

Test: With all the deprecated social sources the TEST connection has not to be executed.

Simply typing your email and password and by clicking on OK, social hub will login to your flickr account.

Every time you are on your Flickr account on the chrome where the plugin is installed at www.flickr.com, you can send each selected post to social hub and social hub will receive the post from the this Flickr source (not from the Chrome source).

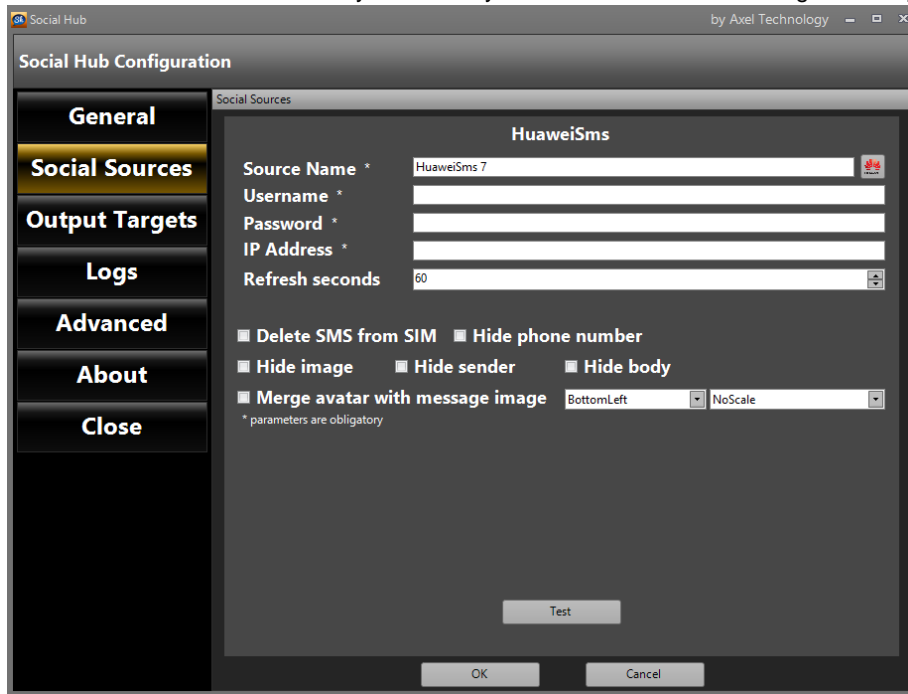
2.2.4 HuaweiSms

This source type is the HuaweiSms source. This source allows you to send to your playout the received sms.


By having one of the Huawei GSM module (see an example in the following image), it is possible to communicate with them through their own IP Address and forward all the received SMS to SocialHub.



All the SMS will be automatically received by Social Hub with the following settable parameters.



Source name: Choose a name to identify your HuaweiSms source in a fast way

: by clicking on this button you can assign a different representative image for the source

Username: type the device Username (if previously set by the device side)

Password: type the Password (if previously set by the device side)

IP Address: type the device IP Address useful to receive SMS into Social Hub

Refresh seconds: Number of seconds to refresh automatically the contents

Delete SMS from SIM: after the Sms was imported into Social Hub the original SIM SMS will be automatically deleted.

Hide phone number: when the message is aired through the layout the related phone number will be hidid

Hide image: in every target the sender image will be hidid

Hide sender: In every target the sender name/nick name will be hidid

Hide body: In every target the message body will be hidid

Merge avatar with message image: In every target the sender image will be substituted with the social logo

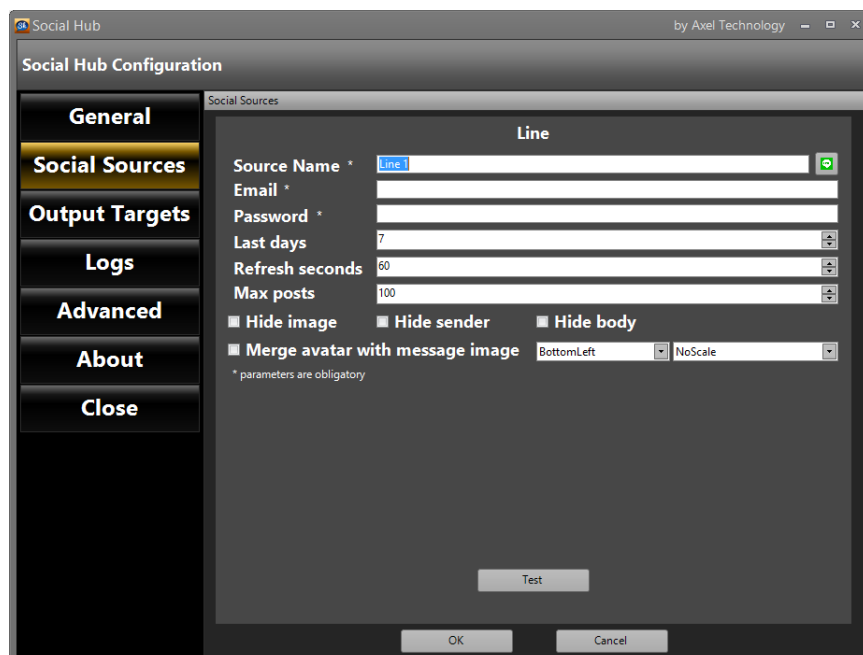
Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo

Test: Test the connection

2.2.5 Line

This source type is the Line source. This source allows you to send to your playout all Line posts. All the Line posts will be automatically received by Social Hub with the following settable parameters.



Source name: Choose a name to identify your Line source in a fast way



: by clicking on this button you can assign a different representative image for the source

Email: Email of the Line account

Password: Password of the Line account

Last Days: Number of days to be shown

Refresh seconds: Number of seconds to refresh automatically the contents

Max Posts: Maximum number of posts to be shown

Hide image: in every target the sender image will be hidid

Hide sender: In every target the sender name/nick name will be hidid

Hide body: In every target the message body will be hidid

Merge avatar with message image: In every target the sender image will be substituted with the social logo

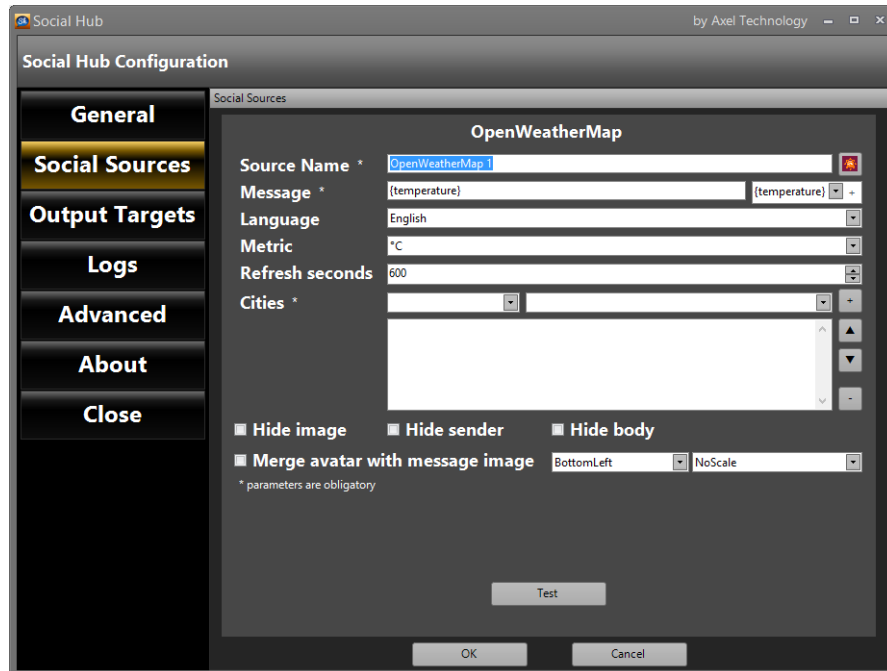
Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo

Test: Test the connection

2.2.6 OpenWeatherMap

This source type is the OpenWeatherMap source. This source allows you to send to your playout all weather forecasts related with a specified zone. All the desired OpenWeatherMap weather data and forecasts will be automatically received by Social Hub with the following settable parameters.



Source Name: Choose a name to identify your OpenWeatherMap source in a fast way



: by clicking on this button you can assign a different representative image for the source

Message: by this control you can decide for the structure of your message. As shown in the right drop-down menu, the choosable informations are the following ones: temperature, min, max, description, city, humidity, pressure. Select here the first forecast information to add in the message and click on +, then select the second information and click on + etc. In the left field you will see something like: "{first forecast}+{second forecast}..."

Language: select here the language for the API results

Metric: select here the metrics to use between °C, °K, °F

Refresh seconds: Number of seconds to refresh automatically the contents

City: select the City and click on plus

Country/State: select the Country or State for the API request

Selected Cities: here you can see for all the cities you have chosen.

Hide image: in every target the sender image will be hidid

Hide sender: In every target the sender name/nick name will be hidid

Hide body: In every target the message body will be hidid

Merge avatar with message image: In every target the sender image will be substituted with the social logo

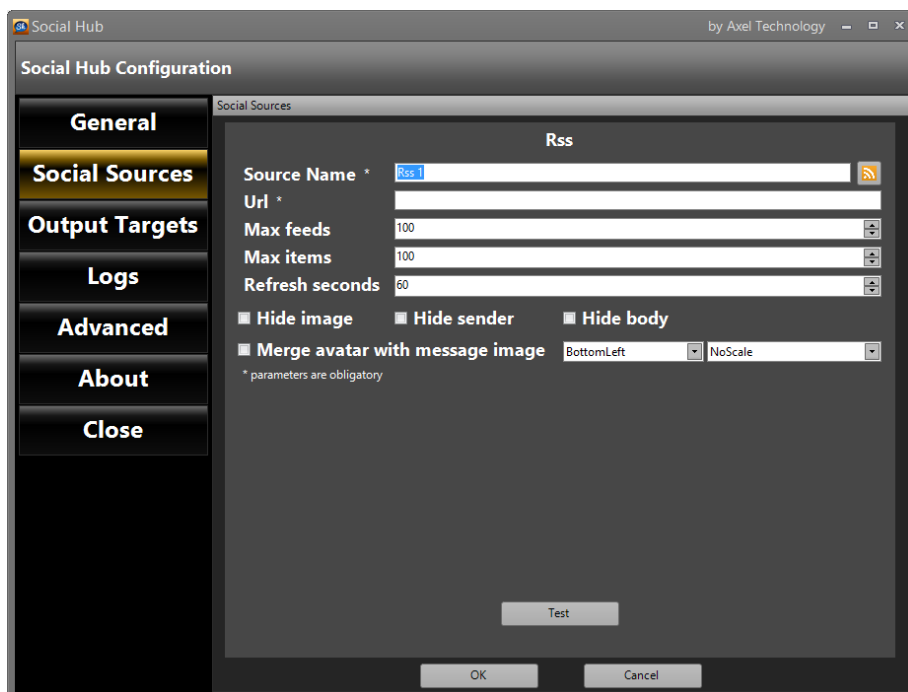
Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo


Test: Test the connection

2.2.7 Rss

This source type is the RSS source. This source allows you to send to your playout RSS Feeds from a desired URL. All the desired RSS feeds will be automatically received by Social Hub with the following settable parameters.



Source Name: Choose a name to identify your RSS source in a fast way

 : by clicking on this button you can assign a different representative image for the source

URL: type here the URL from which RSS Feeds will be extracted

Max feeds: select the maximum number of feeds to display

Max items: select the maximum number of items to display related with a specified feed

Refresh seconds: Number of seconds to refresh automatically the contents

Hide image: in every target the sender image will be hid

Hide sender: In every target the sender name/nick name will be hid

Hide body: In every target the message body will be hid

Merge avatar with message image: In every target the sender image will be substituted with the social logo

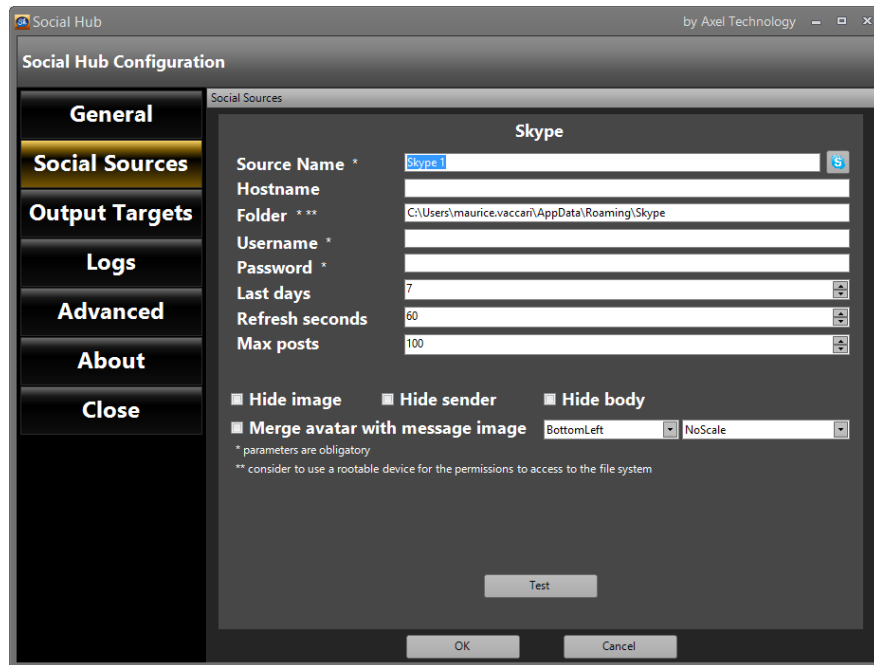
Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo


Test: Test the connection

2.2.8 Skype [DEPRECATED]

This source type is the Skype source. This source allows you to send to your playout all Skype messages.



Source Name: Choose a name to identify your Skype source in a fast way

 : by clicking on this button you can assign a different representative image for the source

Hostname: (Optional) Write here a desired Hostname

Folder: Type here the path in which your Skype contents will be saved

Username: skype username

Password: skype password

Only the message body will be forwarded to your playout

Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo

Test: With all the deprecated social sources the TEST connection has not to be executed.

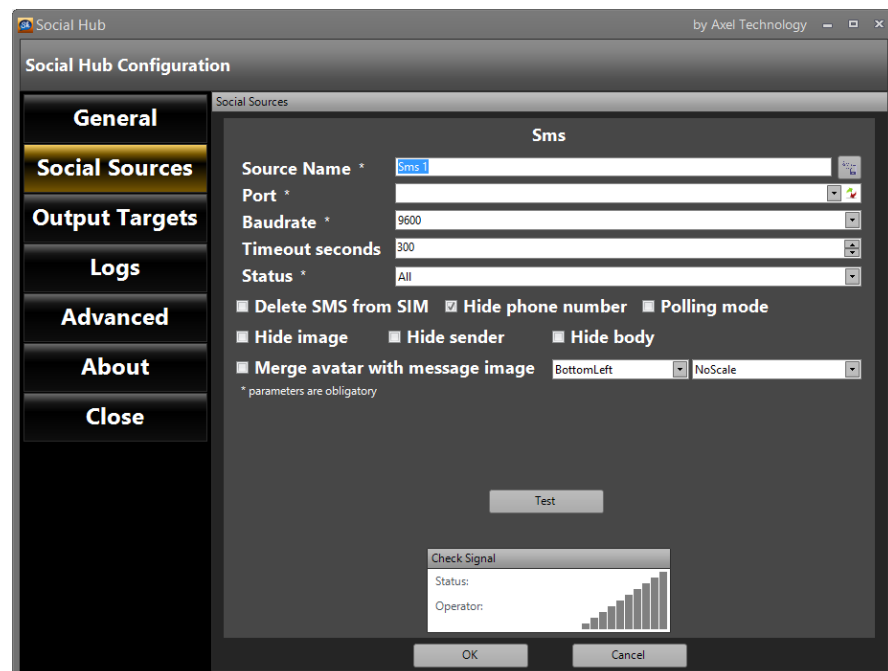
Simply typing your email and password and by clicking on OK, social hub will login to your Skype account.

Every time you are on your Skype account on the chrome where the plugin is installed at the <https://web.skype.com/> page, you can send each selected post to social hub and social hub


will receive the post from the this Skype source (not from the Chrome source).

2.2.9 Sms

This source type is the SMS source. This source allows you to send to your playout all SMS messages.



Source Name: Choose a name to identify your SMS source in a fast way

 : by clicking on this button you can assign a different representative image for the source

Port: COM used by the external GSM Module

Baudrate: Connection speed

Timeout Seconds: Seconds to wait before close gsm connection (depends on the hardware)

Status: Choose a Status if you want to filter only some kind of SMS to be shown

Delete SMS from SIM: After the download on Social Hub, the message will be deleted from the SIM

Hide Phone Number: Social Hub will Hide the last numbers on the SMS screen

Polling mode: if you use an old GSM device is necessary to enable this connection mode

Hide image: in every target the sender image will be hid

Hide sender: In every target the sender name/nick name will be hid

Hide body: In every target the message body will be hid

Merge avatar with message image: In every target the sender image will be substituted with the social logo

Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo

Test: Test the connection

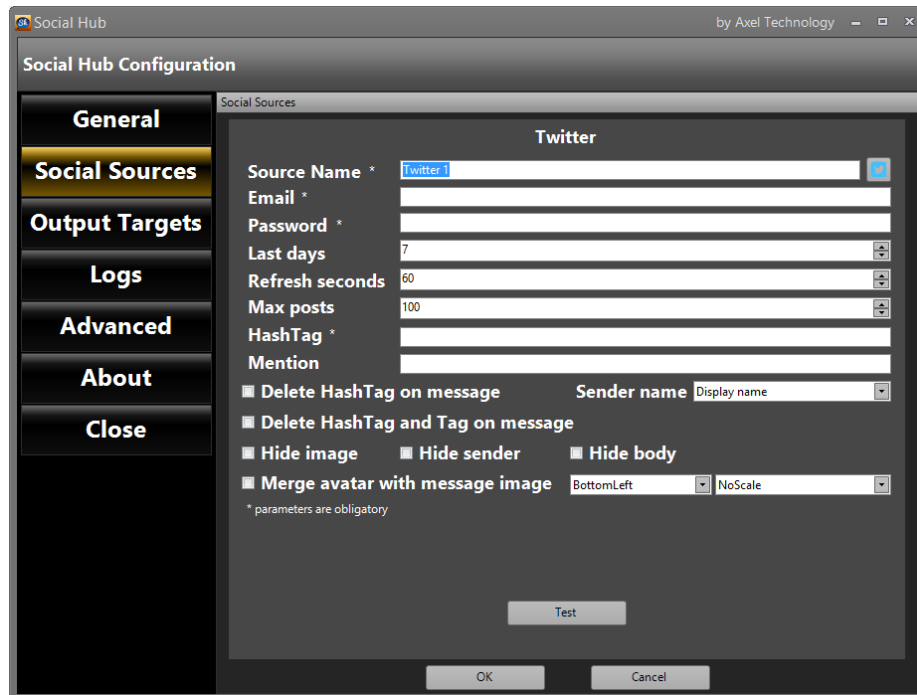
Check Signal: This field is dedicated to some checks on the phone signal

Status: signal strength bars

Operator: SIM operator name

2.2.10 Twitter[DEPRECATED]

This source type is the Twitter source. This source allows you to send to your playout all Twitter Tweets.



Source Name: Choose a name to identify your Twitter source in a fast way



: by clicking on this button you can assign a different representative image for the source

Email: Email used to login on Twitter

Password: Password used to login on Twitter

Only the message body will be forwarded to your playout

Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo

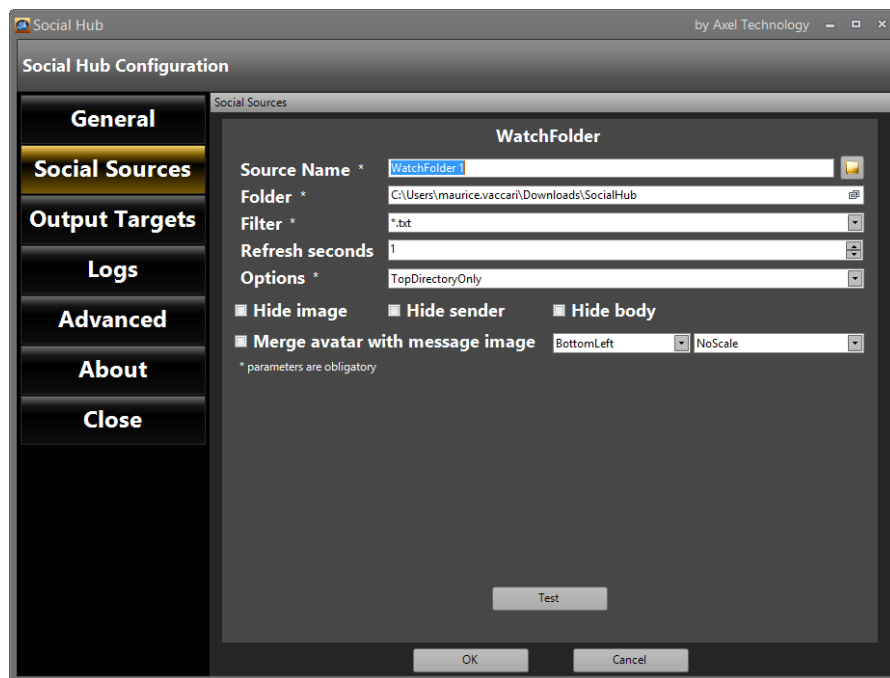
Test: With all the deprecated social sources the TEST connection has not to be executed.

Simply typing your email and password and by clicking on OK, social hub will login to your Twitter account.


Every time you are on your Skype account on the chrome where the plugin is installed at the <https://web.skype.com/> page, you can send each selected post to social hub and social hub will receive the post from the this Skype source (not from the Chrome source).

2.2.11 Watchfolder

It is possible to set a WATCHFOLDER. Here you can put documents that will be shown automatically as soon as they will be inserted on the folder



Source Name: Choose a name to identify your WatchFolder source in a fast way

: by clicking on this button you can assign a different representative image for the source

Folder: Path of the watchfolder

Filter: Select files extension between *.txt or *.log (*.txt by default)

Refresh seconds: Number of seconds to refresh automatically the contents

Options: It is possible to choose if search for new documents only on the main folder or also on the sub folder

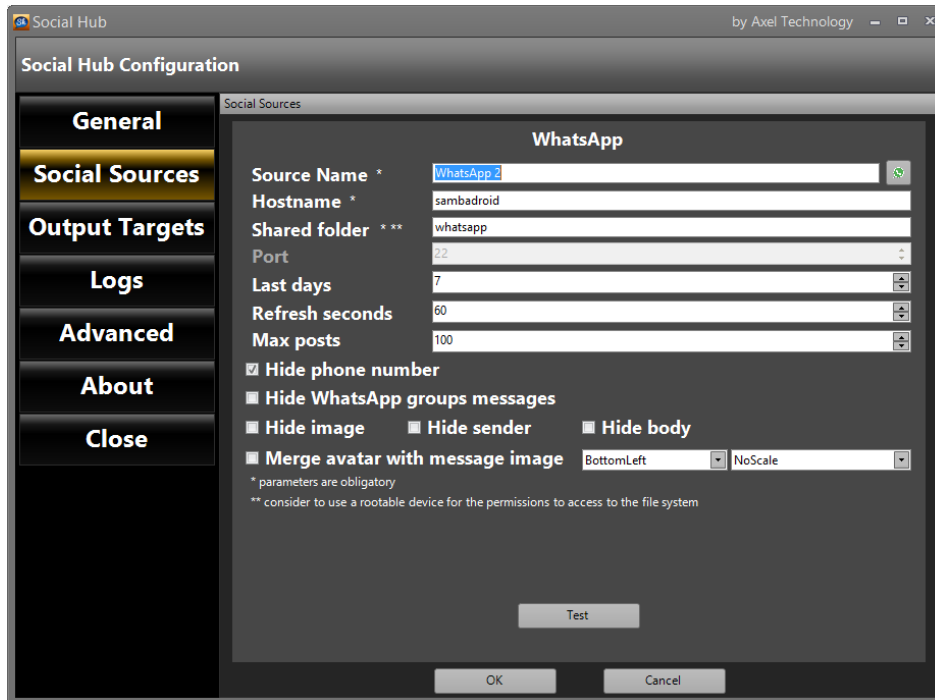
Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)

Scale Field: decide here the scale of the social logo

Test: Test the connection

2.2.12 WhatsApp

This source type is the WhatsApp source. This source allows you to send to your playout all WhatsApp messages. Refer to ANDROID VIRTUAL MACHINE section of this manual for the configuration.



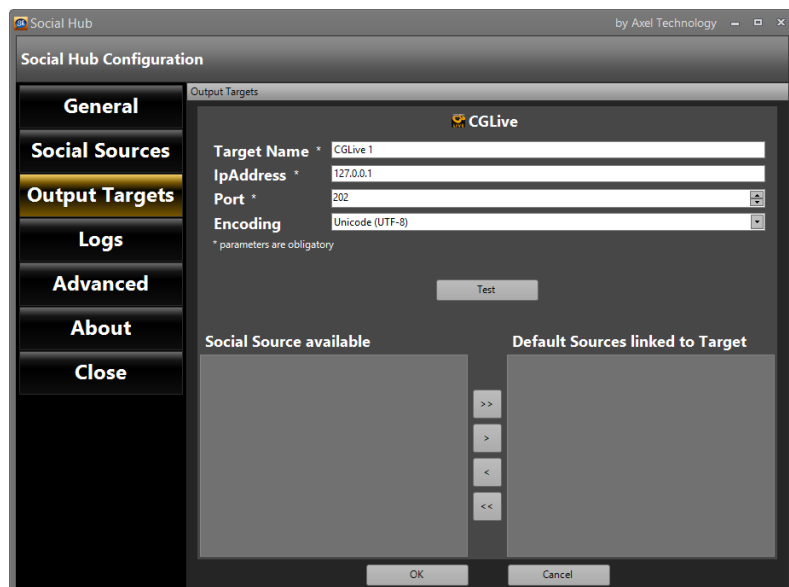
: by clicking on this button you can assign a different representative image for the source

2.3 OUTPUT TARGETS

In this section it is possible to configure the Output target for the social sources.

Click on  to configure a new target

2.3.1 CGLive



This output target refers to Axel Technology CGLive software.

Target Name: Name to be assigned to the CGLive target

IpAddress: CGLive IP address

Port: Tcp/ip port for CG Live connection (usually 201)

Encoding: Select the encoding format from the list

Test: Check the connection with CGLive

On the lower part of the screen there are two fields:

Social Source Available: It shows the list of all the Social Sources already configured

Social Source linked to Target: It shows the Social Sources that will be managed by the selected target

To add a new social source to the target, select the Social Source on the left panel and press 

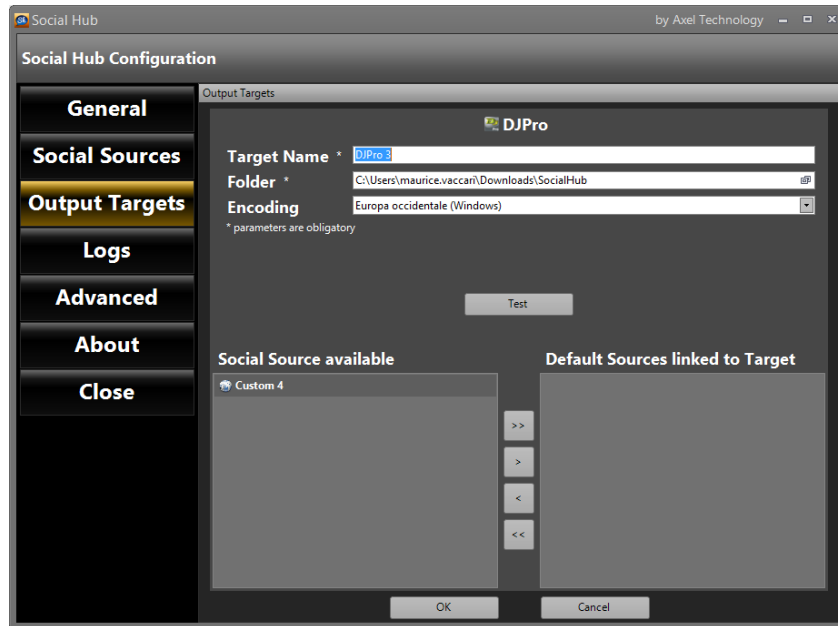
To remove a social source from the target, select it on the right panel and press 

To add or remove all the social sources, use  and 

Press **OK** to save the configuration. Press **Cancel** to discard changes.

2.3.2 DjPro

This output target refers to Axel Technology DjPro software.



Target Name: Name to be assigned to the DjPro target


Folder: Folder where Social Hub will put the information to be sent to DjPro


Encoding: Select the encoding from the list

Test: Check the connection with DjPro

Social Source Available: It shows the list of all the Social Sources already configured

Social Source linked to Target: It shows the Social Sources that will be managed by the selected target

To add a new social source to the target, select the Social Source on the left panel and press 

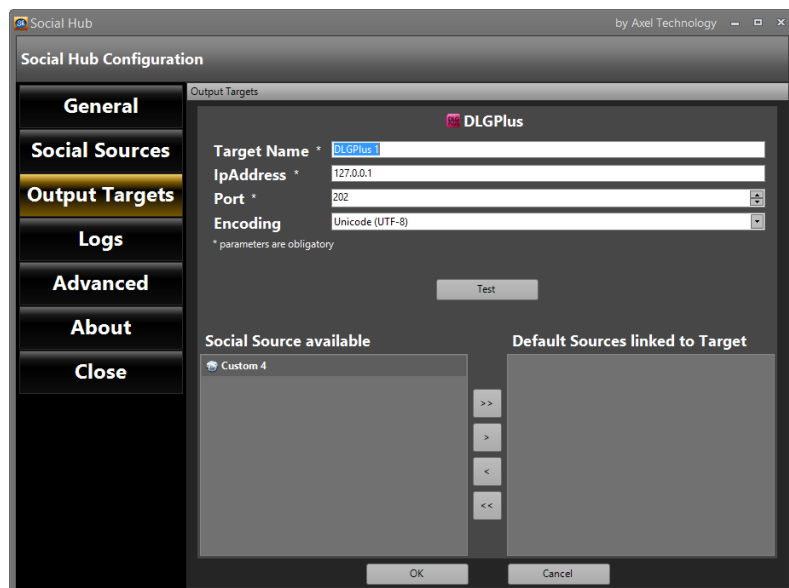
To remove a social source from the target, select it on the right panel and press 

To add or remove all the social sources, use  and 

Press **OK** to save the configuration. Press **Cancel** to discard changes.

2.3.3 DLGPlus

This output target refers to Axel Technology DLG Plus software.



Target Name: Name to be assigned to the DLGPlus target

IpAddress: DLGPlus Ip address


Port: Tcp/ip port for DLG Plus connection (usually from 201 to 204 it depends on channel)

Encoding: Select the encoding from the list

Test: Check the connection with DLGPlus

Social Source Available: It shows the list of all the Social Sources already configured

Social Source linked to Target: It shows the Social Sources that will be managed by the selected target

To add a new social source to the target, select the Social Source on the left panel and press 

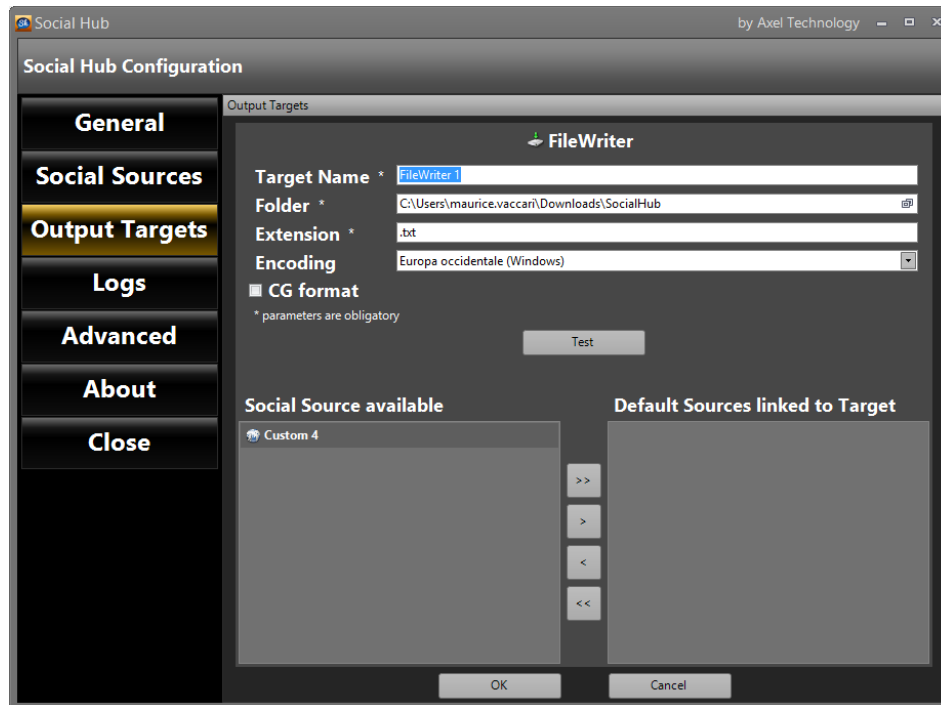
To remove a social source from the target, select it on the right panel and press 

To add or remove all the social sources, use  and 

Press **OK** to save the configuration. Press **Cancel** to discard changes.

2.3.4 FileWriter


This output target refers to the creation of a .txt file in a specified folder.



Press **OK** to save the configuration. Press **Cancel** to discard changes.

Target Name: Name to be assigned to the FileWriter target

Folder: Folder destination of the FileWriter file

: By clicking on this button you can directly browse in your pc to the folder selection;

Extension: Extension of the file


Encoding: Select the encoding from the list


CG format: extracts the message in a specific format simply readable by CG Live and CG Axel Softwares. The structure of the file will be as the following example: `<text> " here you will read the exported message " </text>`

Test: Check the connection with the folder

Social Source Available: It shows the list of all the Social Sources already configured

Social Source linked to Target: It shows the Social Sources that will be managed by the selected target

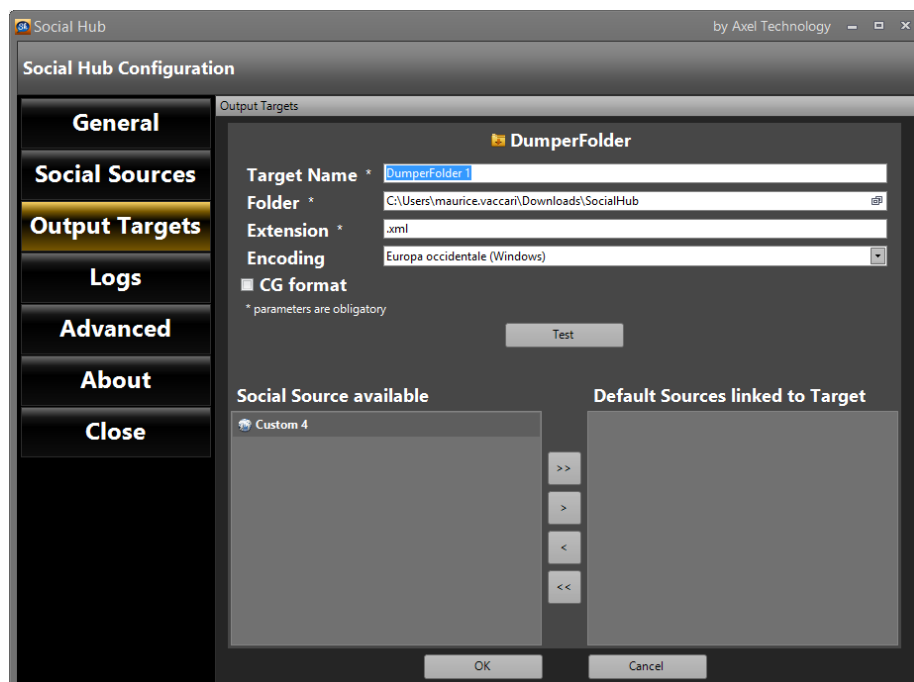
To add a new social source to the target, select the Social Source on the left panel and press 


To remove a social source from the target, select it on the right panel and press 

To add or remove all the social sources, use  and 

2.3.5 DumperFolder

Differently from the FileWriter target, the DumperFolder creates different files, every file is related to a specific message.



To remove a social source from the target, select it on the right panel and press 

To add or remove all the social sources, use  and 

Press **OK** to save the configuration. Press **Cancel** to discard changes.

Target Name: Name to be assigned to the DumperFolder target

Folder: Folder destination of the Dumped files

: By clicking on this button you can directly browse in your pc to the folder selection;

Extension: .xml by default

Encoding: Select the encoding style from the list


CG format: extracts the message in a specific format simply readable by CG Live and CG Axel Softwares. The structure of the file will be as the following example:

```
[[IMG1:C:\Users\maurice.vaccari\DumperFolder\TWITTER_07E00A12-0A291D00BB-0001.jpg]]<text>Waldo Romero<br>RT @NatGeoChannel: If you have multiple universes—would they intersect in some testable way? What do you think? #StarTalkTV https://t.co/YP...</text>
```

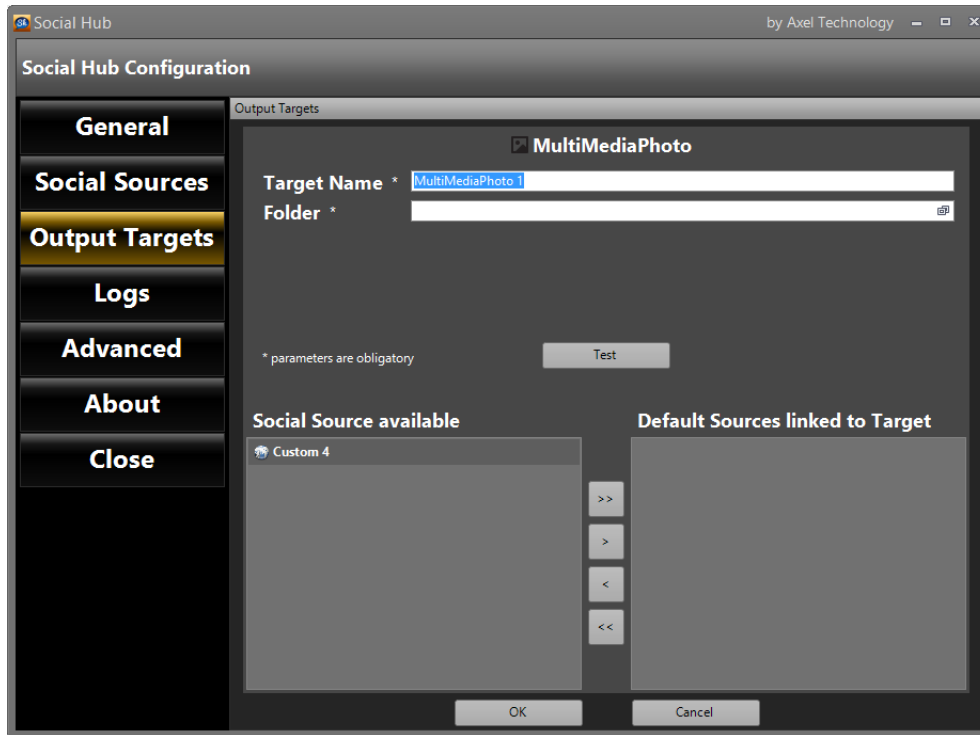
Test: Check the connection with the folder

Social Source Available: It shows the list of all the Social Sources already configured

Social Source linked to Target: It shows the Social Sources that will be managed by the selected target

To add a new social source to the target, select the Social Source on the left panel and press 


2.3.6 MultiMediaPhoto



MultiMediaPhoto target is useful to save attached Image files from a message to a specified folder.

Target Name: Name to be assigned to the MultiMediaPhoto target


Folder: type here the desired destination folder


: By clicking on this button you can directly browse in your pc to the folder selection;

Test: Test the connection with the folder

Social Source Available: It shows the list of all the Social Sources already configured

Social Source linked to Target: It shows the Social Sources that will be managed by the selected target

To add a new social source to the target, select the Social Source on the left panel and press 

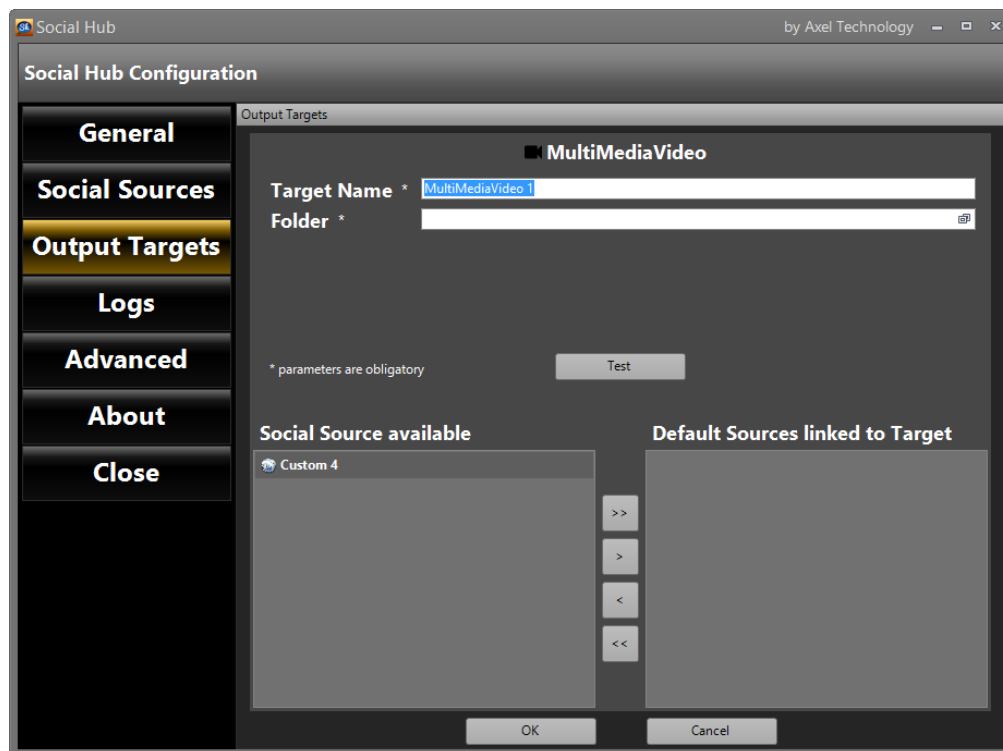
To remove a social source from the target, select it on the right panel and press 

To add or remove all the social sources, use  and 

Press **OK** to save the configuration. Press **Cancel** to discard changes.


2.3.7 MultiMediaVideo

MultiMediaVideo target is useful to save attached Video files from a message to a specified folder.



Target Name: Name to be assigned to the MultiMediaVideo target


Folder: type here the desired destination folder


: By clicking on this button you can directly browse in your pc to the folder selection;

Test: Test the connection with the folder

Social Source Available: It shows the list of all the Social Sources already configured

Social Source linked to Target: It shows the Social Sources that will be managed by the selected target

To add a new social source to the target, select the Social Source on the left panel and press 

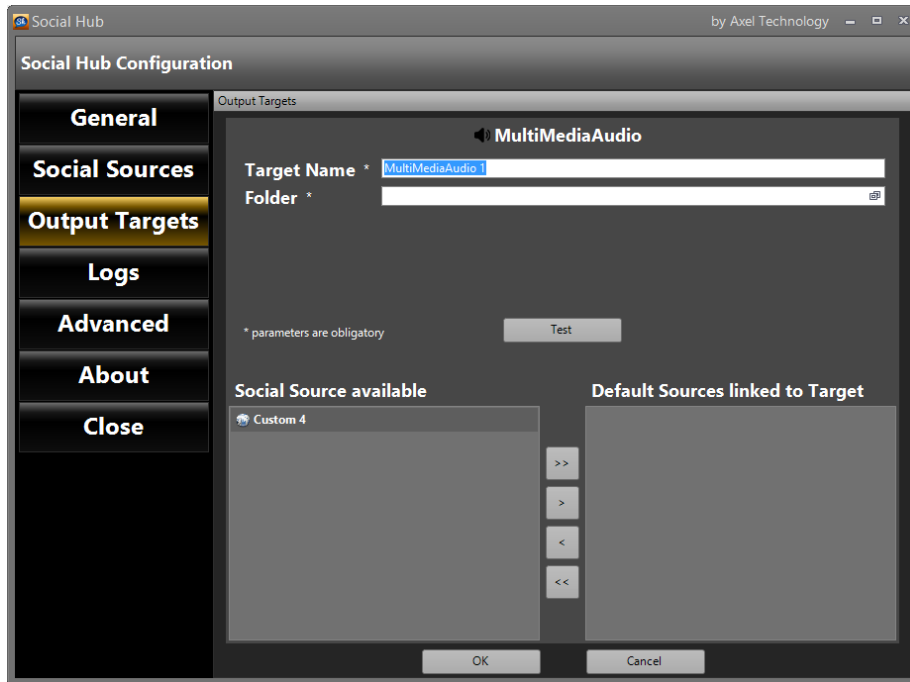
To remove a social source from the target, select it on the right panel and press 

To add or remove all the social sources, use  and 

Press **OK** to save the configuration. Press **Cancel** to discard changes.


2.3.8 MultiMediaAudio

MultiMediaAudio target is useful to save attached Audio files from a message to a specified folder.



Target Name: Name to be assigned to the MultiMediaAudio target


Folder: type here the desired destination folder


: By clicking on this button you can directly browse in your pc to the folder selection;

Test: Test the connection with the folder

Social Source Available: It shows the list of all the Social Sources already configured

Social Source linked to Target: It shows the Social Sources that will be managed by the selected target

To add a new social source to the target, select the Social Source on the left panel and press 

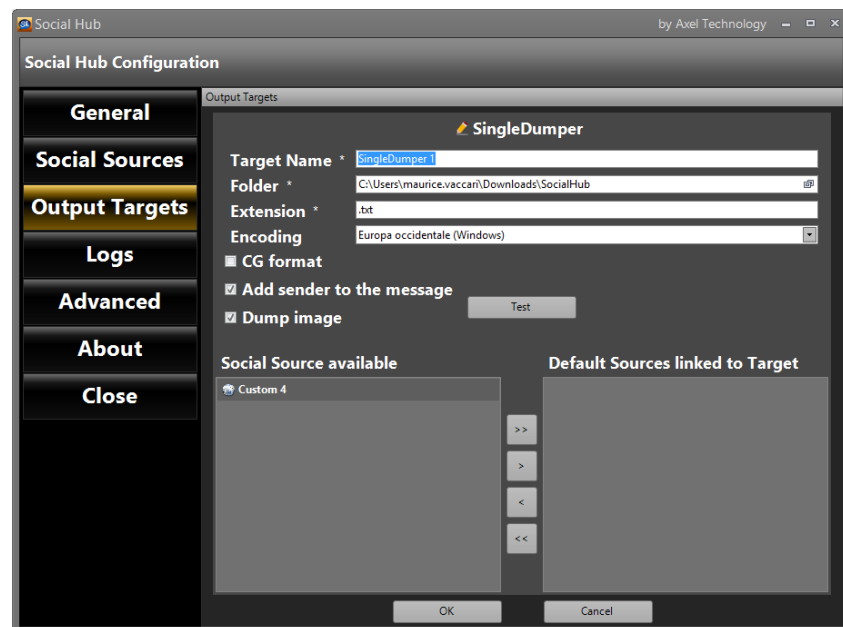
To remove a social source from the target, select it on the right panel and press 

To add or remove all the social sources, use  and 

Press **OK** to save the configuration. Press **Cancel** to discard changes.

2.3.9 SingleDumper

Differently from the DumperFolder, SingleDumper creates a single file. Every time you send a message to this target the same file will be overwritten.



Target Name: Name to be assigned to the SingleDumper target

Folder: type here the desired destination folder

: By clicking on this button you can directly browse in your pc to the folder selection;

Extension: file extension .txt by default

Encoding: Select the encoding style from the list

CG format: extracts the message in a specific format simply readable by CG Live and CG Axel Softwares. The structure of the file will be as the following example:

```
[[IMG1:C:\Users\maurice.vaccari\DumperFolder\TWITTER_07E00A12-0A291D00BB-0001.jpg]]<text>Waldo Romero<br>RT @NatGeoChannel: If you have multiple universes—would they intersect in some testable way? What do you think? #StarTalkTV https://t.co/YP...</text>
```

Add sender to the message: decide to add the sender to the message or not

Dump image: decide to dump also images or not

Test: Check the connection with the folder

Social Source Available: It shows the list of all the Social Sources already configured

Social Source linked to Target: It shows the Social Sources that will be managed by the selected target

To add a new social source to the target, select the Social Source on the left panel and press 

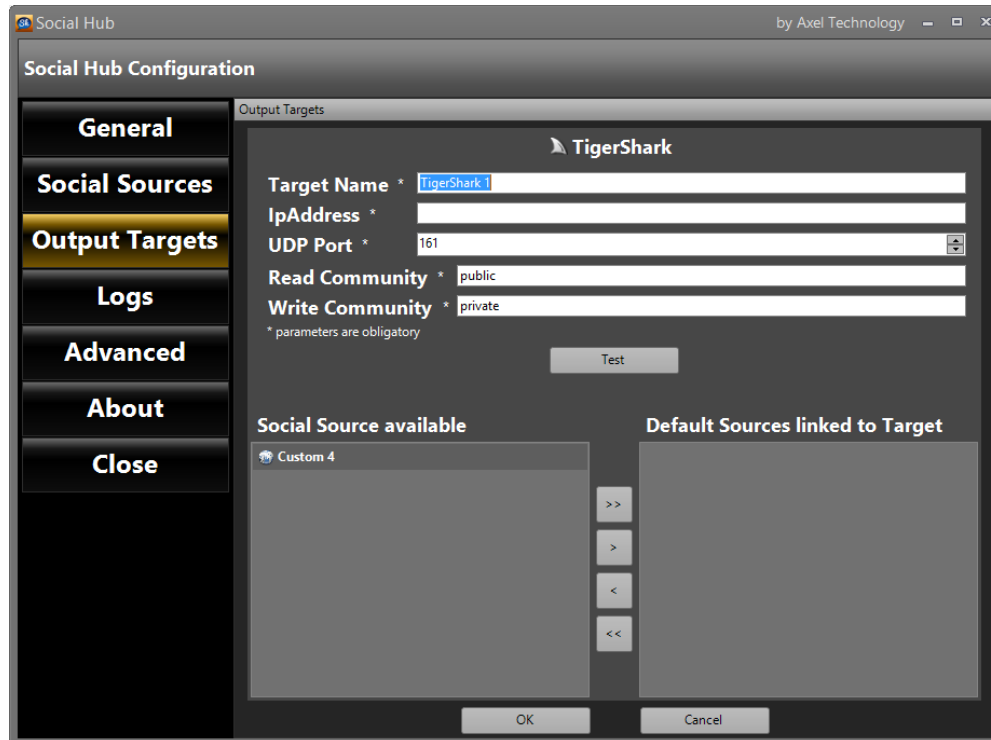
To remove a social source from the target, select it on the right panel and press 

To add or remove all the social sources, use  and 

Press **OK** to save the configuration. Press **Cancel** to discard changes.

2.3.10 TigerShark

TigerShark target is useful to send the message directly to the RT of the Axel Technology RDS Encoder *Tiger Shark*.



Target Name: Name to be assigned to the Tiger Shark target

IpAddress: listening Tiger Shark Ip address

UDP Port: UDP Port number


Read Community: Public or Private


Write Community: Public or Private

Test: Check the connection with the Tiger Shark

Social Source Available: It shows the list of all the Social Sources already configured

Social Source linked to Target: It shows the Social Sources that will be managed by the selected target

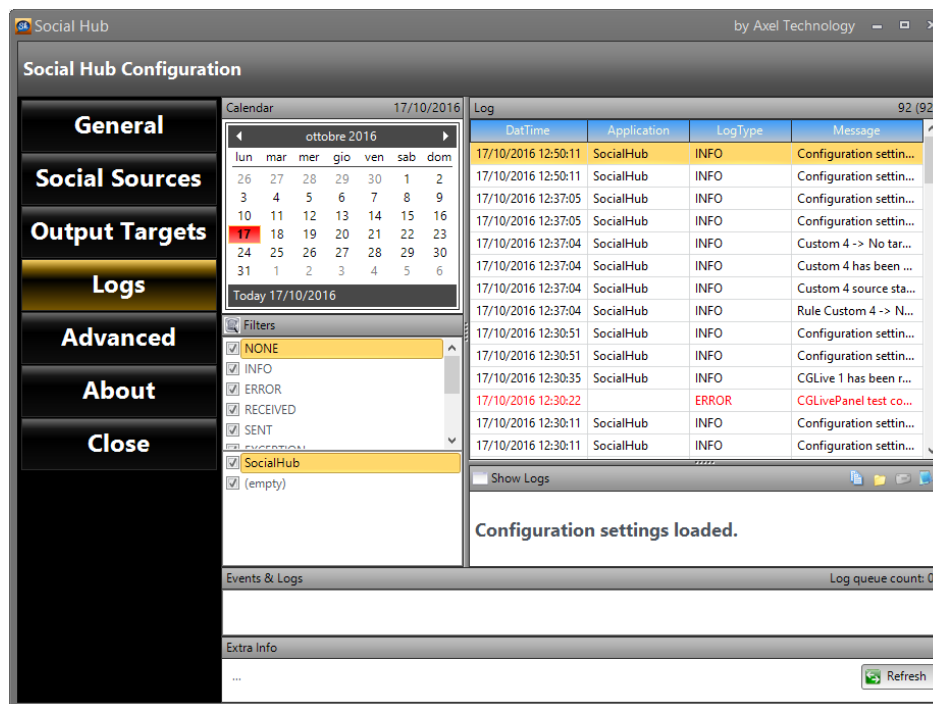
To add a new social source to the target, select the Social Source on the left panel and press 

To remove a social source from the target, select it on the right panel and press 

To add or remove all the social sources, use  and 

Press **OK** to save the configuration. Press **Cancel** to discard changes.

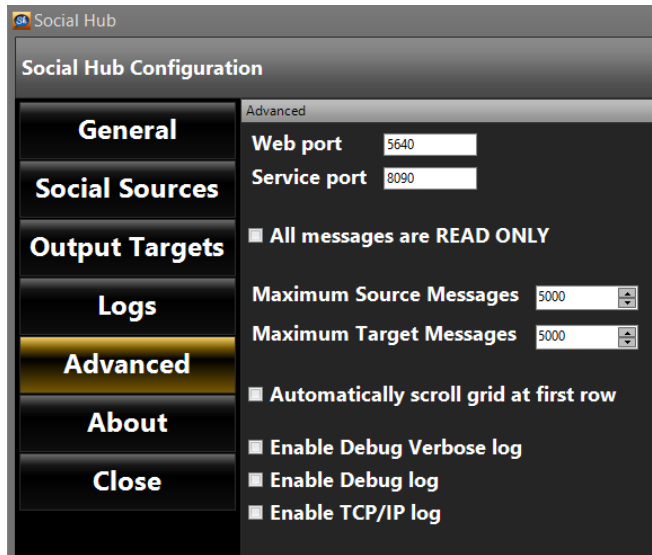
2.4 LOGS



The Logs page shows the logs written by Social Hub with all the information about the connection of the social sources and user operations. Choose on the calendar panel the date of the log (the days in red are the ones which have a log, the white days are without log).

Filters: It is possible to exclude or include information on the logs using the Filters checkbox

2.5 ADVANCED



Web Port: Port used for web interface

Service Port: Port used for service REST API

All messages are READ ONLY: It will not be possible to modify the messages received

Maximum Source Messages: Maximum number to be shown when ALL SOURCES is enabled

Maximum Target Messages: Maximum number to be shown for each target

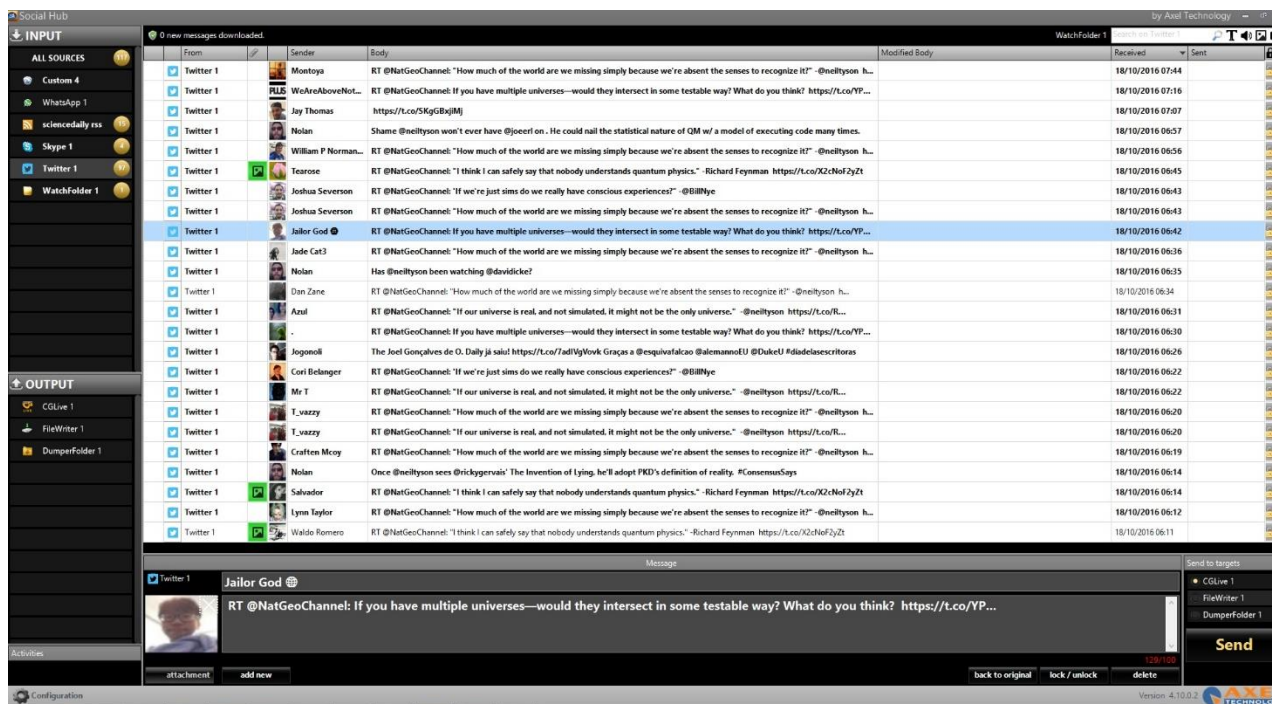
Automatically scroll grid at first row:

Enable Debug Verbose log: Enable verbose log (only for debug)

Enable Debug log: Enable a special log for debug

Enable TCP/IP log: Enable Tcp/ip communications log

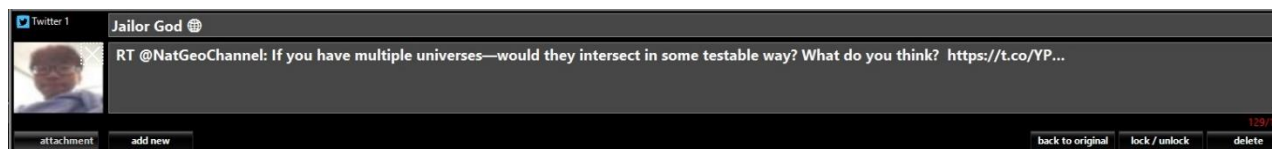
3 MAIN PANEL



INPUT: It is possible to select a single source or ALL SOURCES

OUTPUT: Shows the list of all the outputs where it is possible to select them to check all the messages sent to that source.

On the lower part of the screen there is the box that shows information about the selected message and where it is possible to modify the text of the message before you send it to the target. The modified text will be shown on the **Modified Body** column.



After the text modification, it is possible to come back to the original message with **Back to original** button.

Attachment: by clicking this button you can add every attached file.

Add new: this button allows you to type a new message. Every added message will be related with the social section in which you are. In example if you type a new message while you are in the twitter section you will create a new twitter message. **Lock/Unlock:** If locked, it will not be possible to modify the text

To delete the selected message, press **Delete**

In the **Send to targets** panel are shown all the targets inserted on the Configuration → Output Targets section.

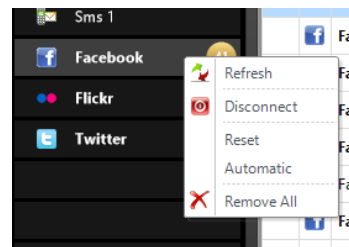


All the targets linked to that social sources (see chapter 2.3) will be automatically selected (yellow check) to receive the message.

To add manually a target for the selected message, it is possible to check it on the **Send to targets** panel.

When you are ready to send the message to all the selected output targets, click on the **Send** button.

A right click on the source name will show the following menu



Refresh: It will refresh the post of the selected social media

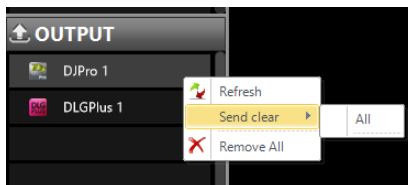
Disconnect: It will disconnect from the selected social media

Reset: It will reset the date check for the messages download (useful if you change social media user)

Automatic: If selected, all the messages will be automatically sent to all the target configured for this social media

Remove All: It will remove from the screen all the post of the selected social media

A right click on the Output Target name will show the following menu



Refresh: It will refresh the post of the selected target

Send clear: this command allows you to delete from the selected target all the messages from the selected source.

Remove all: It will remove from the screen all the post of the selected target

A right click on a post (message) will show the following menu:



Copy: It will copy the text of the selected post on the clipboard

Send: It will send the post to the selected targets

Delete: It will delete the selected post

Check as read: It will change the status of the selected message from unread to read

Check as locked: It will change the status of the selected message from unlocked to locked

4 CHROME SOURCE FUNCTIONING

This special source allows you to select every selected text from the browser Google Chrome. In the following example we want to save or directly send a message from the science magazine web site:

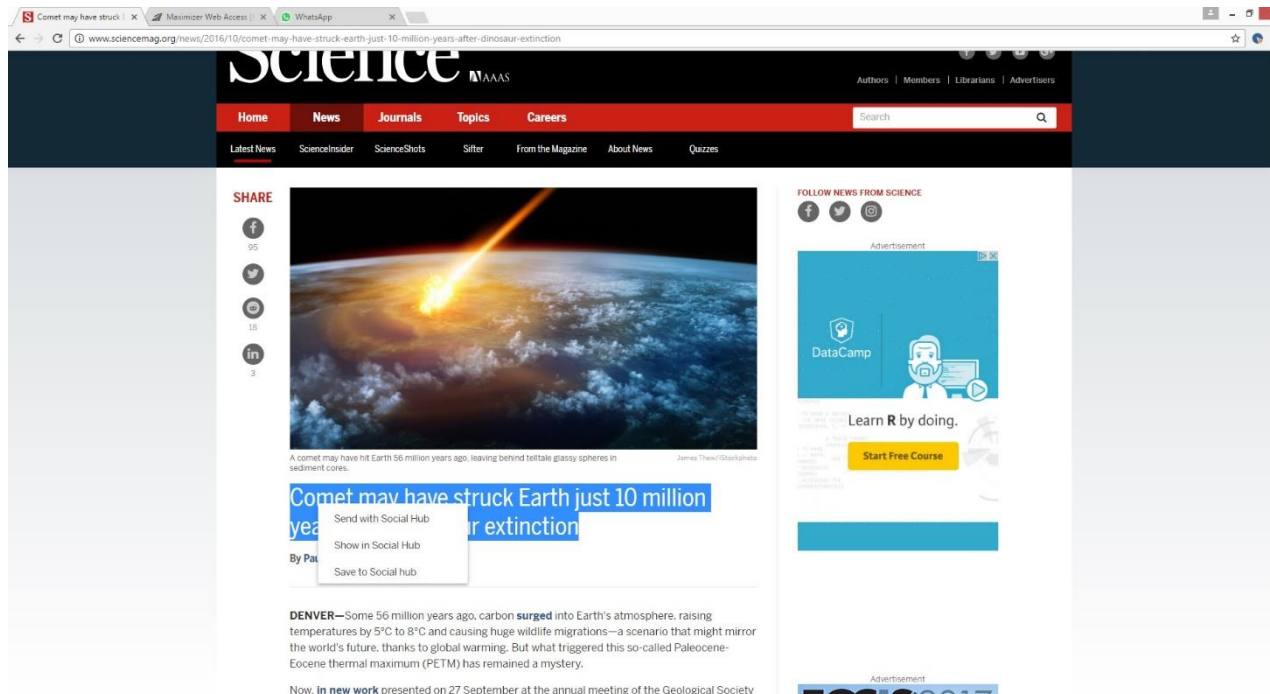


Select the desired text and right click with the mouse, then choose between the three following options.

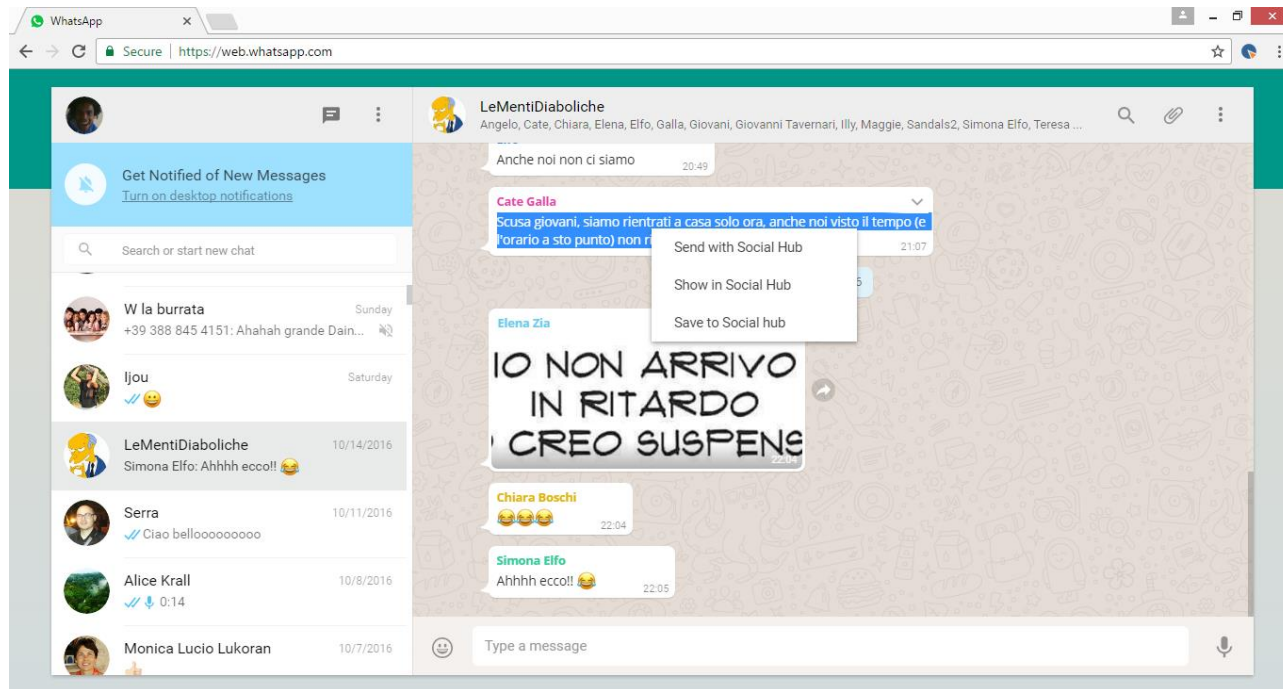
Send with Social Hub: this command directly send the message from the Custom Source to the set output target

Show in Social Hub: this command prepare a editable new message in the Custom Source section

Save to Social Hub: this command save the message in the Custom Source section



In the following example you can see a selection from <http://web.whatsapp.com>



5 WHATSAPP MESSAGES EXTRACTION

Messages could be sent to a target from WhatsApp in two ways: [ANDROID VIRTUAL MACHINE](#), or thanks to a special Google Chrome plugin that acts only at <https://web.whatsapp.com>.

5.1 ANDROID VIRTUAL MACHINE

Android x86 installation guide

Android is necessary to run whatsapp.

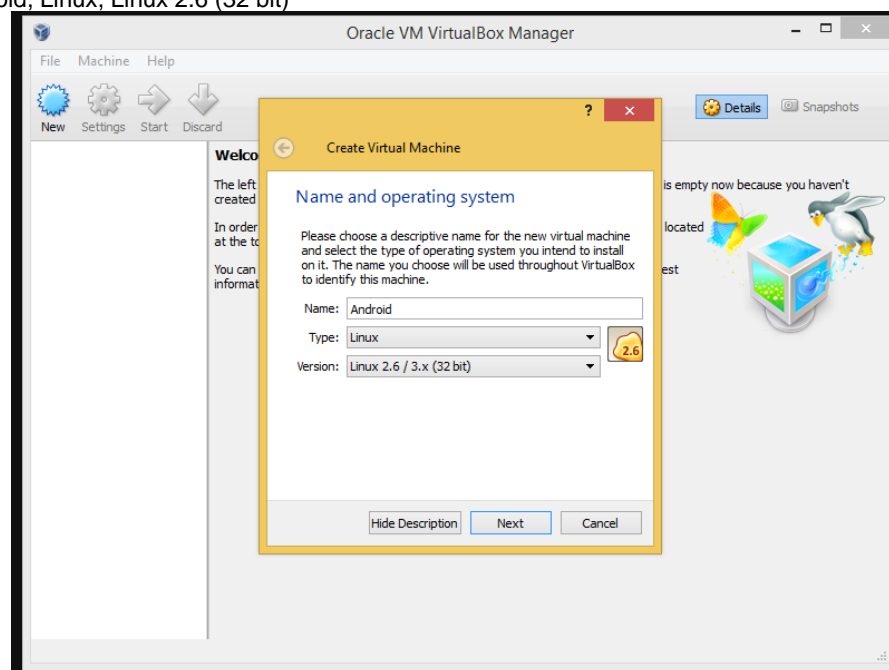
Under windows a virtual machine software like virtualbox is able to run Android.

A preconfigured virtual machine is provided with a rooted android, a preinstalled whatsapp, and a sambadroid application which allows access over the LAN, with an additional application which keeps whatsapp on the foreground at all times to allow automatic download of each message's Avatar.

Download Virtualbox from Oracle website : <https://virtualbox.org/wiki/Downloads>

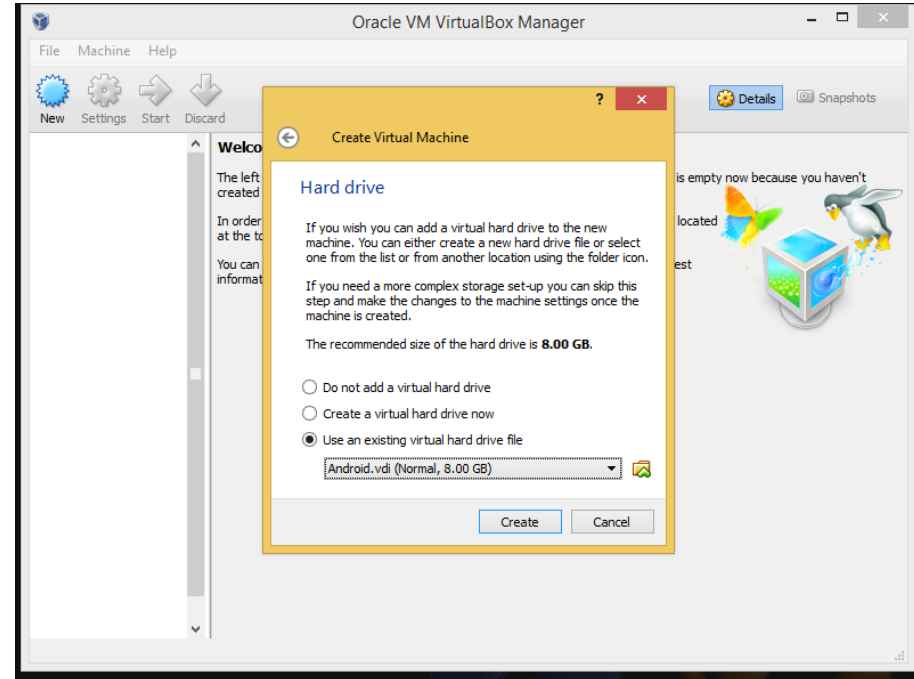
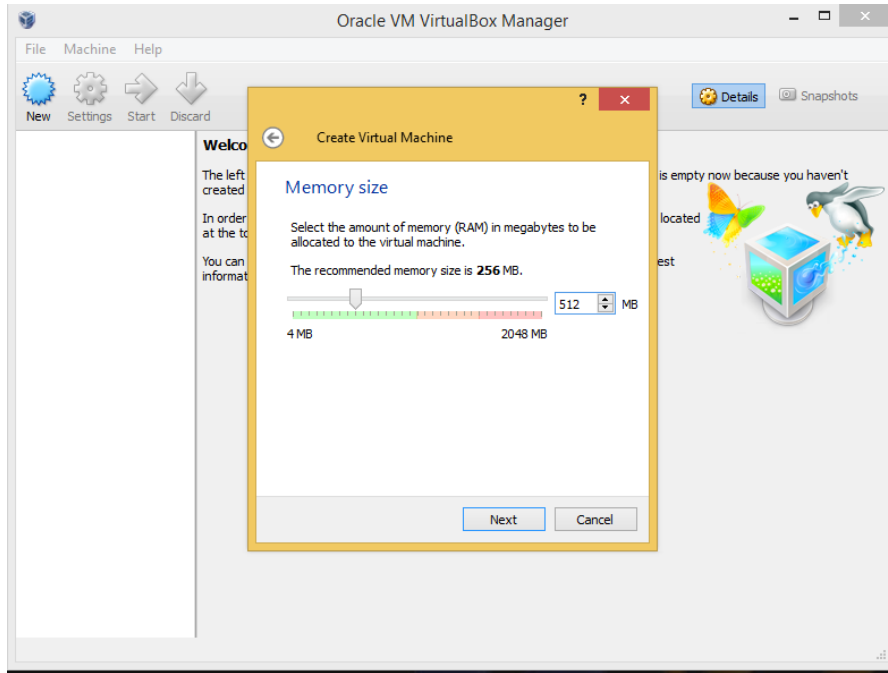
Install Virtualbox using default settings

Create a NEW Virtual Machine : name it Android, Linux, Linux 2.6 (32 bit)

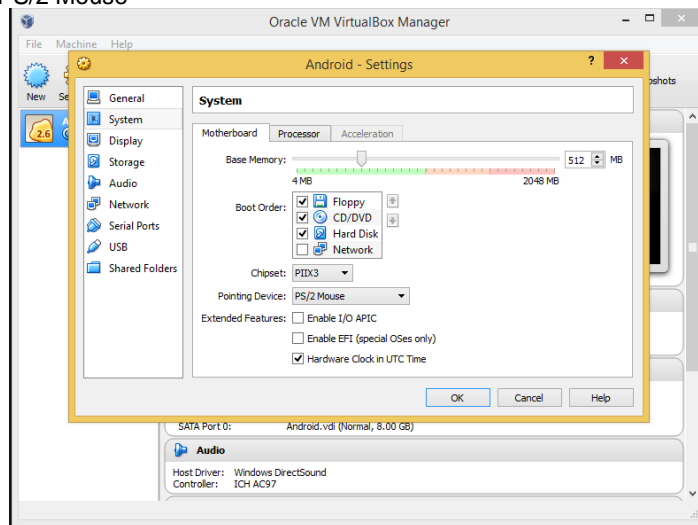


Select 512 MB RAM

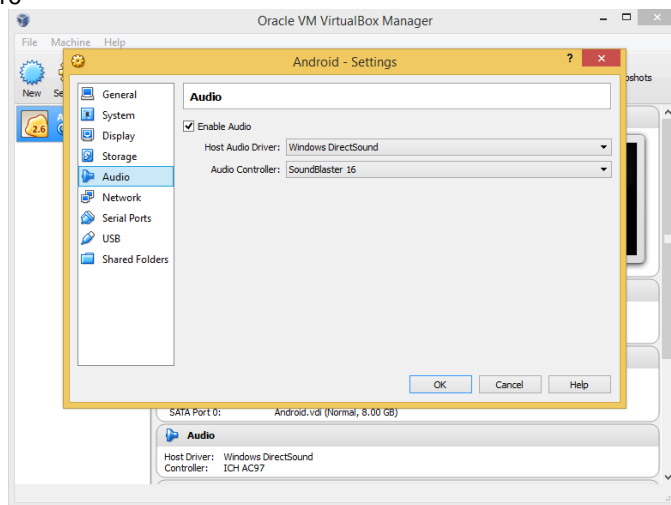
Use an existing Hard drive and select the ANDROID.VDI file which you can download from www.axeltechnology.com/public/SocialHub/Android.zip



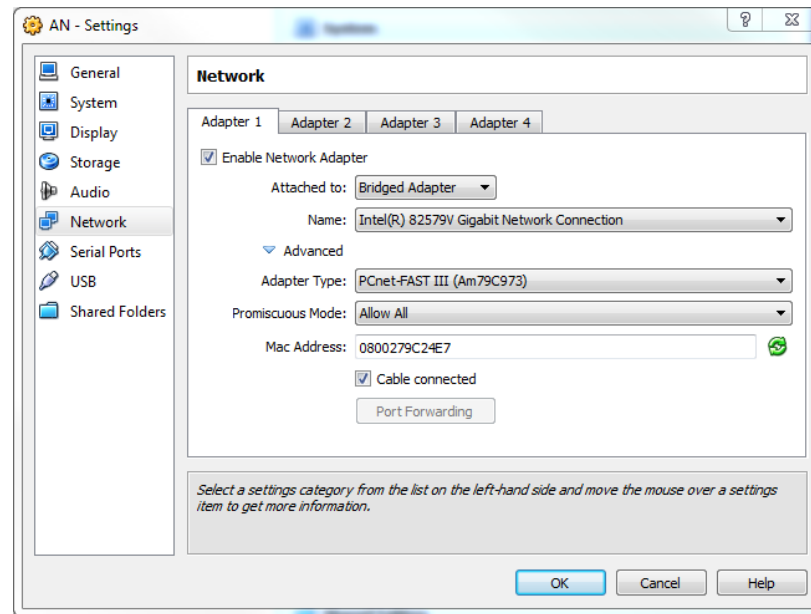
In settings , under System tab, select Pointing device : PS/2 Mouse



In Audio tab select Audio controller : SOUNDBLASTER 16

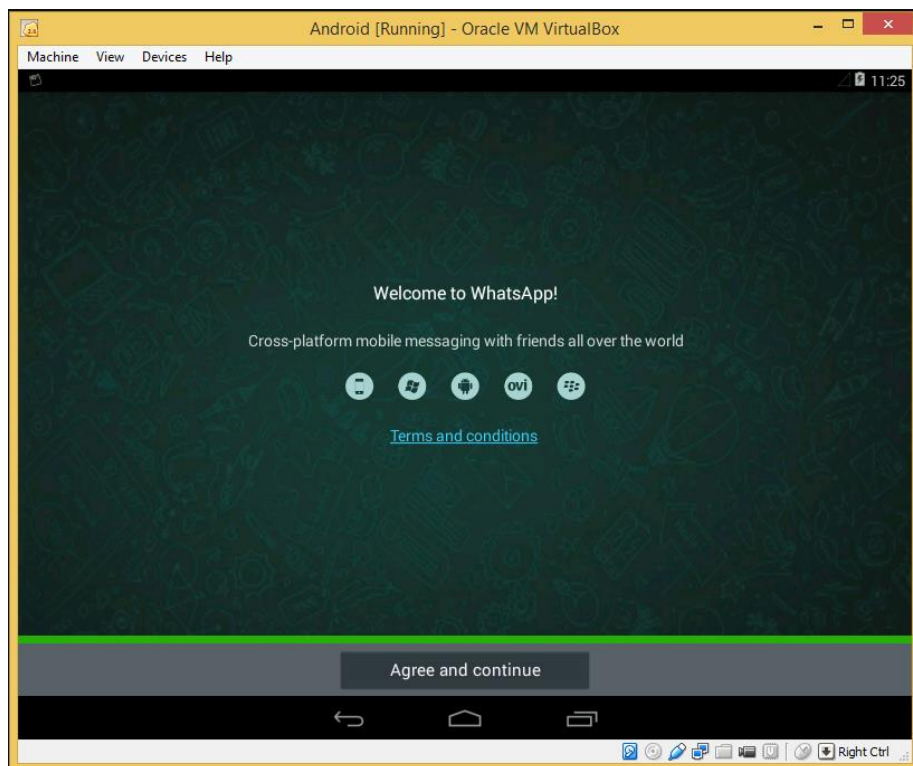


In Network tab select Attached to : BRIDGED ADAPTER, and in the advanced section, select Adapter Type : PCNET-FAST III
Also select Promiscuous Mode : Allow All

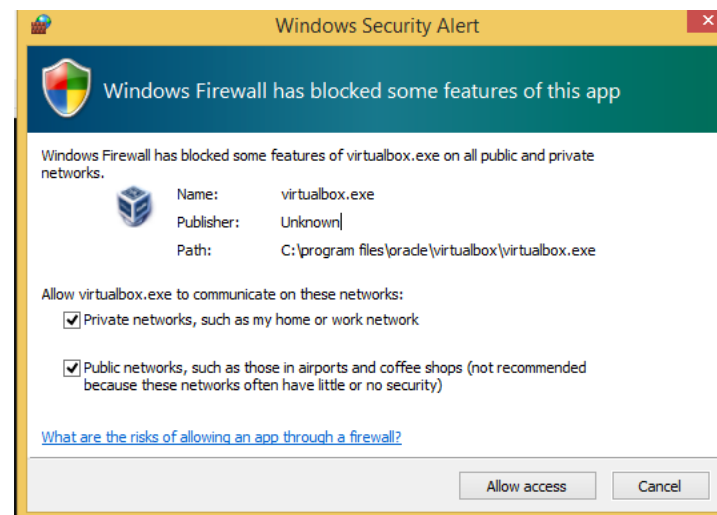


CONFIRM AND START the Android VM.

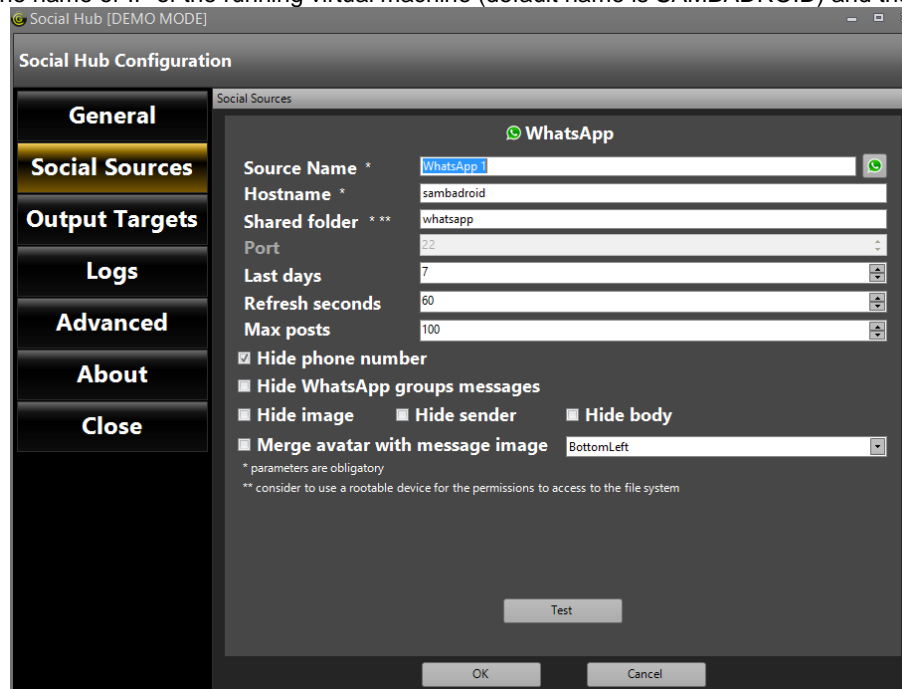
When the whatsapp app appears, configure the application specifying a mobile phone number. An external mobile phone with the sim card inserted is needed to receive the confirmation SMS.



Confirm Firewall exception if necessary



In Social Hub social source settings, specify the name or IP of the running virtual machine (default name is SAMBADROID) and the shared folder (default is whatsapp).

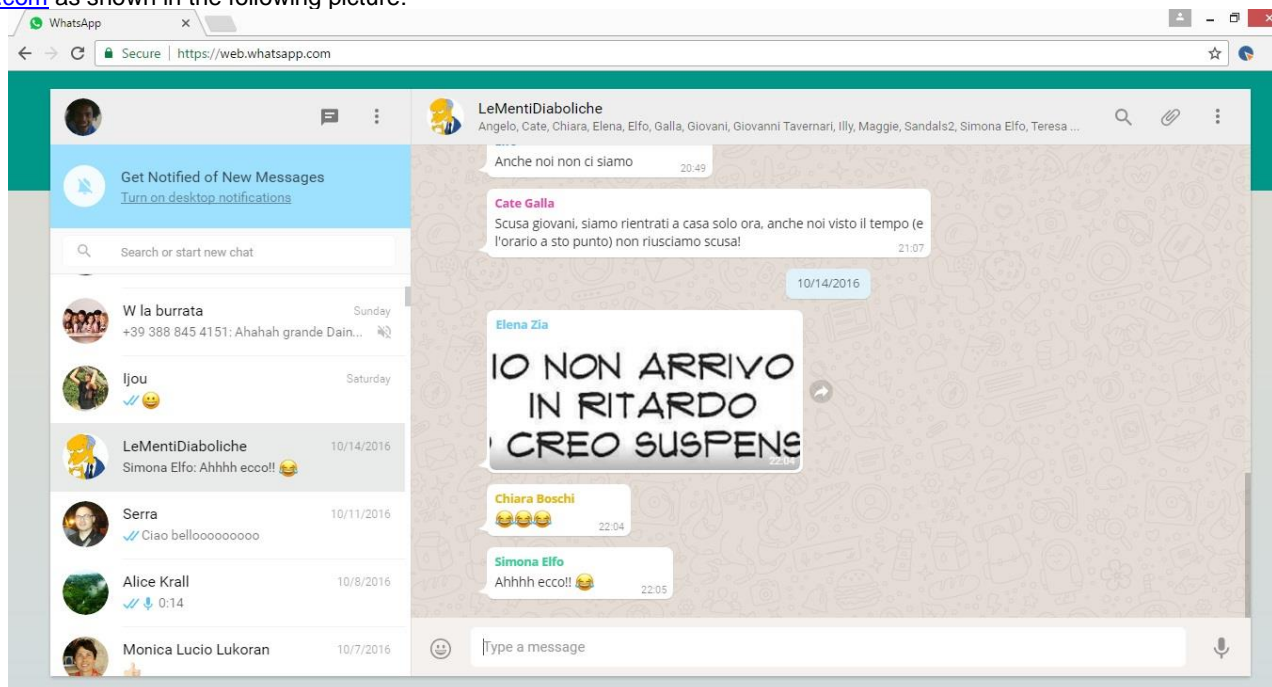



To start VM automatically, in startup make a batch file with:
Vboxmanage startvm Android

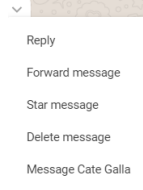
5.2 HTTPS://WEB.WHATSAPP.COM

To extract messages from web.whatsapp.com you can use another special Social Hub feature:

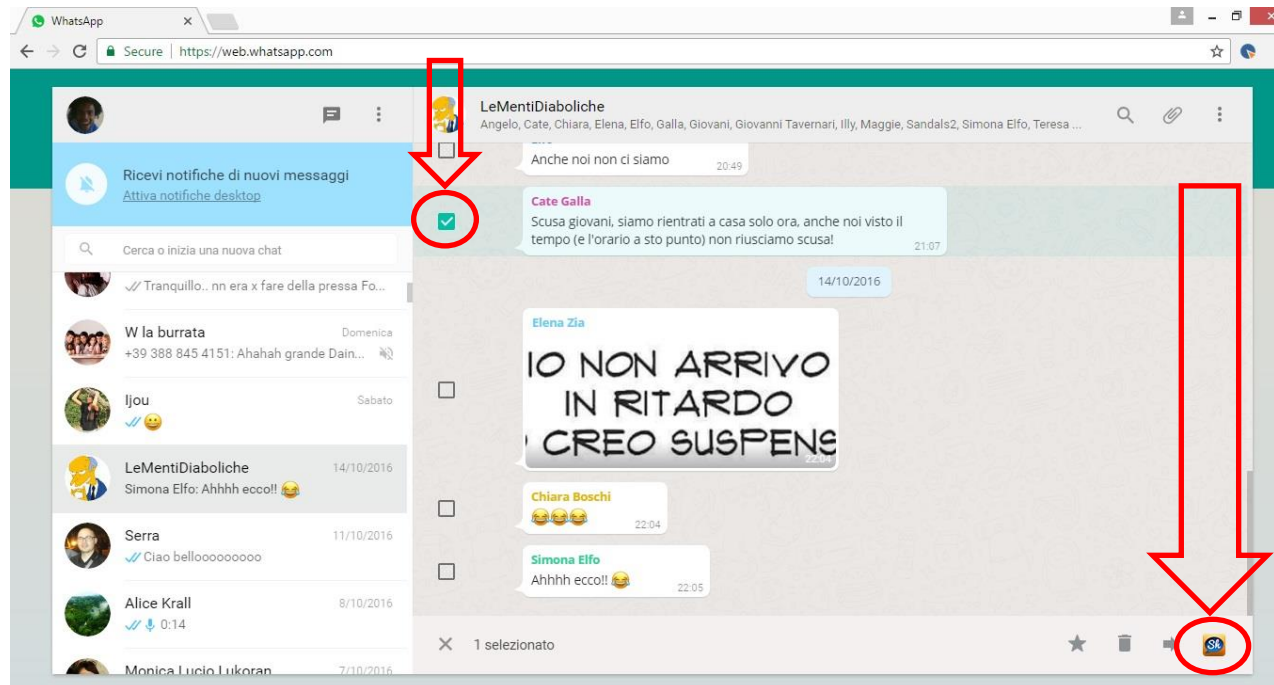
Go to <https://web.whatsapp.com> as shown in the following picture:



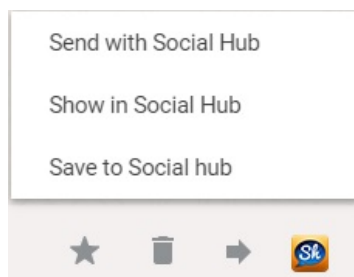
With the mouse go on the desired message and click on the  symbol, then select **Forward Message** from the following menu:



Check the desired message as shown in this picture:



At the bottom-right click on the button  and select between the following options:



Send with Social Hub: this command directly send the message from the Custom Source to the set output target

Show in Social Hub: this command prepare a editable new message in the Custom Source section

Save to Social Hub: this command save the message in the Custom Source section

If you set a WhatsApp source in Social Hub this method works, if not, it works automatically with any available Chrome source.

