



# **SOCIAL HUB**

(Rev. 2.2 ENG)





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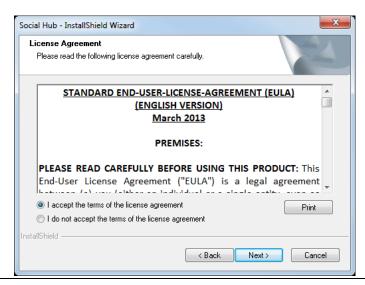


# **1** INSTALLATION

Run install shield

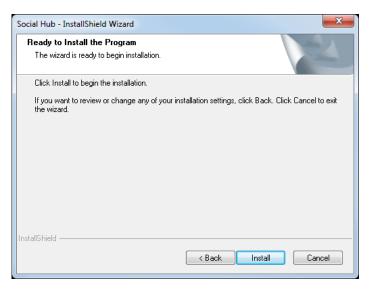


#### Choose Next

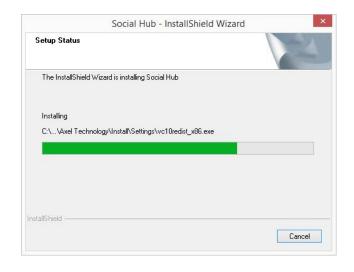




Check "I accept the terms of the license agreement" and choose Next



Click on Install to start the installation







Social Hub - InstallShield Wizard installation completed installation completed CK 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 New extension added (Social hub) A window will appear as shown in the following picture: Another program on your computer added an extension that may change the way Chrome works. Social hub

\*\*\*\*\* (4) 18 users <u>View details</u> It can:

· Read and change all your data on the websites you visit

Enable extension

Remove from Chrome

click on Enable Extension



#### After the InstallShield click on OK to end installation

# ENG

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



Now you are ready to start!





# **2** CONFIGURATION

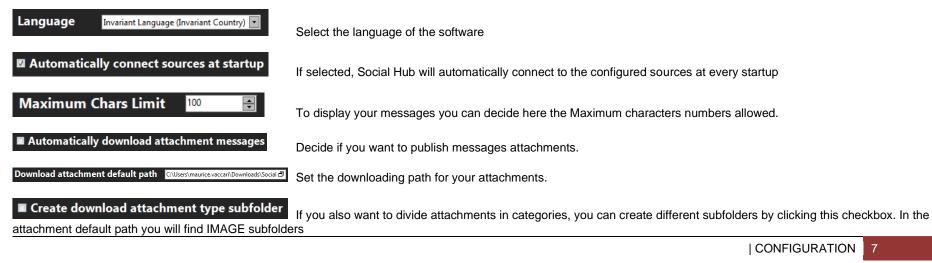
After installation, it is necessary to configure the software. Run Social Hub and click on the Configuration button



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



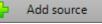
#### 2.1 GENERAL





# 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, S\_ms, Twitter, Watchfolder*)

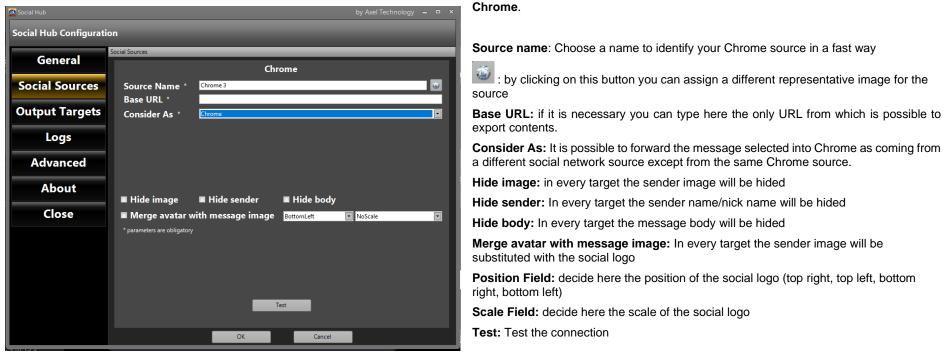


Select the social network and click Ok



# 2.2.1 **Chrome**

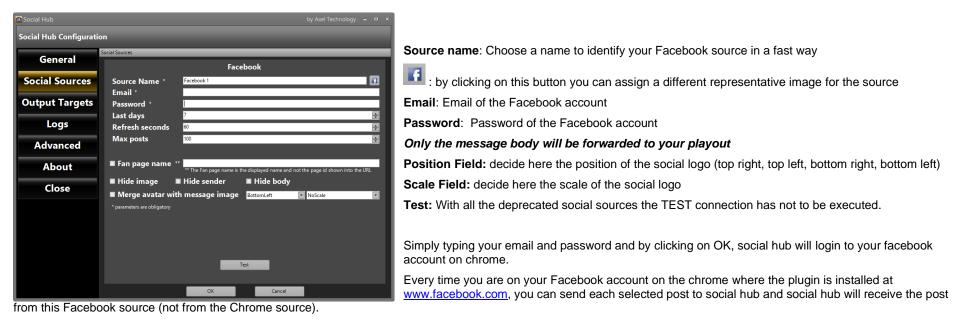
This source type is the CHROME WEB PAGES source. This source allows you to send to your playout all the selected text contents from every web page on the browser Google





# 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.



## 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.





Social Hub	by Axel Technology 🗕 🗖	x
Social Hub Configurati	on -	
General	Social Sources Flickr	ī
Social Sources	Source Name * Flictr1	
Output Targets	Password *	
Logs	Last days 7 Refresh seconds 🚳	
Advanced	Max posts 100 🖝	
About	■ Hide image ■ Hide sender ■ Hide body	
Close	Merge avatar with message image     BottomLeft     NoScale     Parameters are obligatory	
	Test	
	OK Cancel	

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

even the source 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 <u>www.flickr.com</u>, 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 HuaweiiSms

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

By having one of the Huaweii 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.

Social Hub		by Axel Technology 🗕 🗖 🗙		
Social Hub Configuration				
	Social Sources			
General		HuaweiSms		
Social Sources	Source Name * Username *	HuaweiSms 7		
Output Targets	Password *			
	IP Address *			
Logs	Refresh seconds	60		
Advanced	Delete SMS from	n SIM ■ Hide phone number		
About	■ Hide image ■ Merge avatar wit	■ Hide sender ■ Hide body ith message image BottomLeft ■ NoScale ■		
Close	* parameters are obligatory			
		Test		
		OK Cancel		

Source name: Choose a name to identify your HuaweiiSms 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 hided

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

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

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

**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

12 CONFIGURATION |



# 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.

Social Hub	by Axel Technology 🗕 🗖 🗙	
Social Hub Configuratio	n	Source name: Choose a name to identify your Line source in a fast way
General	Social Sources	Even by clicking on this button you can assign a different representative image for the source
Social Sources	Source Name * Line 1	Email: Email of the Line account
Output Targets	Email * Password *	Password: Password of the Line account
	Last days 7	Last Days: Number of days to be shown
Logs	Refresh seconds 60	Refresh seconds: Number of seconds to refresh automatically the contents
Advanced	Max posts 100 ■ Hide image ■ Hide sender ■ Hide body	Max Posts: Maximum number of posts to be shown
About	Merge avatar with message image PottomLeft NoScale  * parameters are obligatory	Hide image: in every target the sender image will be hided
Close		Hide sender: In every target the sender name/nick name will be hided
		Hide body: In every target the message body will be hided
		Merge avatar with message image: In every target the sender image will be substituted with the social logo
	Test	<b>Position Field:</b> 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
	OK Cancel	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.

🛛 Social Hub by Axel Technology 🗕 🗖 🗙					
Social Hub Configuration	Social Hub Configuration				
	Social Sources				
General		OpenWeath	erMap		
Social Sources	Source Name *	OpenWeatherMap 1			
Output Targets	Message *	{temperature}		{temperature} 💌 +	
output rangets	Language Metric	°C			
Logs	Refresh seconds	600			
Advanced	Cities *				
About					
Close	Hide image	Hide sender	Hide body	V -	
			nttomLeft NoScale		
	* parameters are obligatory				
		Test			
		ОК	Cancel		

Source Name: Choose a name to identify your OpenWheatherMap 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 hided

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

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

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.

Social Hub	by Axel Technology 🗕 🗖 🗙	Source Name: Choose a name to identify your RSS source in a fast way
Social Hub Configuration	on	
General	Social Sources Rss	I by clicking on this button you can assign a different representative image for the source
Social Sources Output Targets	Source Name * 🔤 🔊 🔊 🔊 🔊 🔊 🔊	<b>URL</b> : type here the URL from which RSS Feeds will be extracted
Logs	Max reeds www.www.max reeds www.www.www.www.www.www.www.www.www.ww	Max feeds: select the maximum number of feeds to display
Advanced	■ Hide image ■ Hide sender ■ Hide body ■ Merge avatar with message image BottomLeft ▼ NoScale ▼	Max items: select the maximum number of items to display related with a specified feed <b>Refresh seconds:</b> Number of seconds to refresh automatically the contents
About	* parameters are obligatory	Hide image: in every target the sender image will be hided
Close		Hide sender: In every target the sender name/nick name will be hided
		Hide body: In every target the message body will be hided
		Merge avatar with message image: In every target the sender image will be substituted with the social logo
	Test	<b>Position Field:</b> 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
	OK Cancel	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.

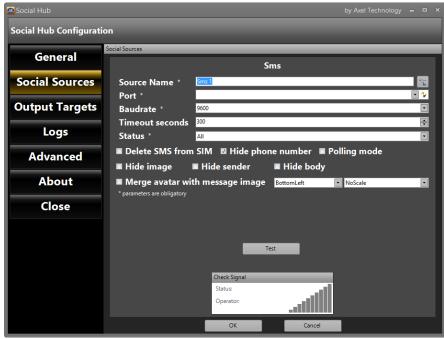
Social Hub	by Axel Technology 😑 🔍	×
Social Hub Configurati	on	
General	Social Sources Skype	Source Name: Choose a name to identify your Skype source in a fast way
Social Sources	Source Name * Skype1	S : by clicking on this button you can assign a different representative image for the source
	Hostname	Hostname: (Optional) Write here a desired Hostname
Output Targets	Folder * ** C:\Users\maurice.vaccan\AppData\Roaming\Skype Username *	Folder: Type here the path in which your Skype contents will be saved
Logs	Password *	Username: skype username
Advanced	Last days 7 👻 Refresh seconds 🖗	Password: skype password
About	Max posts 100	Only the message body will be forwarded to your playout
Close	■ Hide image ■ Hide sender ■ Hide body ■ Merge avatar with message image <sub>BottomLeft</sub>	<b>Position Field:</b> decide here the position of the social logo (top right, top left, bottom right, bottom left)
	* parameters are obligatory ** consider to use a rootable device for the permissions to access to the file system	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.
	Test	Simply typing your email and password and by clicking on OK, social hub will login to your Skype account.
	OK Cancel	Every time you are on your Skype account on the chrome where the plugin is installed at the <u>https://web.skype.com/</u> 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 is 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 hided Hide sender: In every target the sender name/nick name will be hided Hide body: In every target the message body will be hided 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]

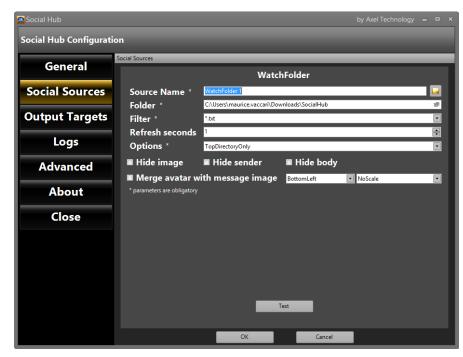
This source type is the Twitter source. This source allows you to send to your playout all Twitter Tweets.

Social Hub	by Axel Technology 🗕 🗖 🗙	
Social Hub Configuration	on	Souce Name: Choose a name to identify your Twitter source in a fast way
General Social Sources Output Targets Logs Advanced About	Social Sources  Twitter  Source Name * Twitter  Email * Password * Last days 7 Refresh seconds Max posts 100 HashTag * Mention  Delete HashTag on message Sender name Display name	<ul> <li>by clicking on this button you can assign a different representative image for the source</li> <li>Email: Email used to login on Twitter</li> <li>Password: Password used to login on Twitter</li> <li>Only the message body will be forwarded to your playout</li> <li>Position Field: decide here the position of the social logo (top right, top left, bottom right, bottom left)</li> </ul>
Close	<ul> <li>Delete HashTag and Tag on message</li> <li>Hide image Hide sender Hide body</li> <li>Merge avatar with message image BottomLeft NoScale</li> <li>* parameters are obligatory</li> </ul>	<ul> <li>Scale Field: decide here the scale of the social logo</li> <li>Test: With all the deprecated social sources the TEST connection has not to be executed.</li> <li>Simply typing your email and password and by clicking on OK, social hub will login to you Twitter account.</li> </ul>
	Test OK Cancel	Every time you are on your Skype account on the chrome where the plugin is installed at the <u>https://web.skype.com/</u> 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

image for the source 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)

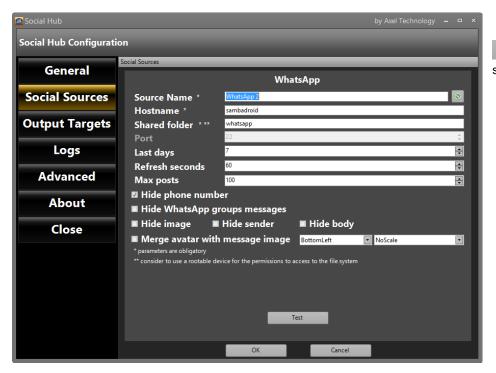
Scale Field: decide here the scale of the social logo

**Test:** Test the connection



# 2.2.12 WhatsApp

This source type is the WhatApp 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 Add target to configure a new target

# 2.3.1 **CGLive**

💁 Social Hub		by Axel Technology 🗕 🗖 🗙
Social Hub Configuration	on	
General	Output Targets	S CGLive
Social Sources	Target Name * CGLive 1 IpAddress * 127.0.0.1	
Output Targets	Port * 202	a l
Logs	Encoding Unicode (UTF-8) * parameters are obligatory	¥
Advanced		Test
About	Social Source available	Default Sources linked to Target
Close		>> < <
	ОК	Cancel

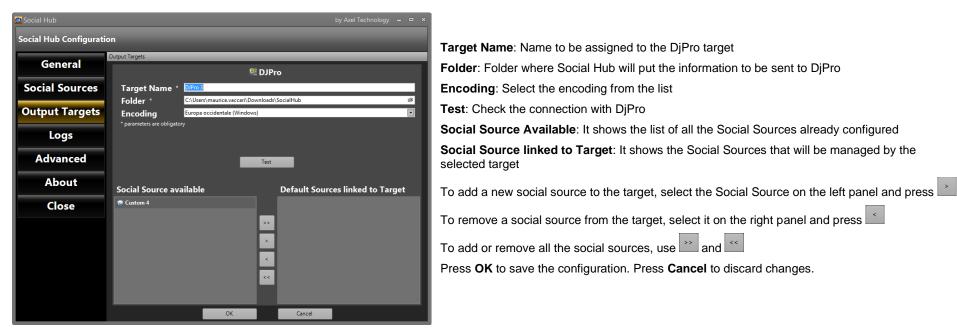
This output target refers to Axel Technology CGLive software.

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**

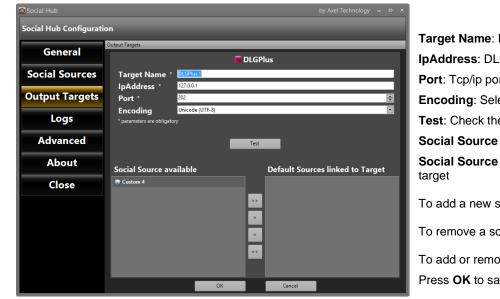
This output target refers to Axel Technology DjPro software.





# 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 lp 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

 To add or remove all the social sources, use

 To add or remove all the social sources, use

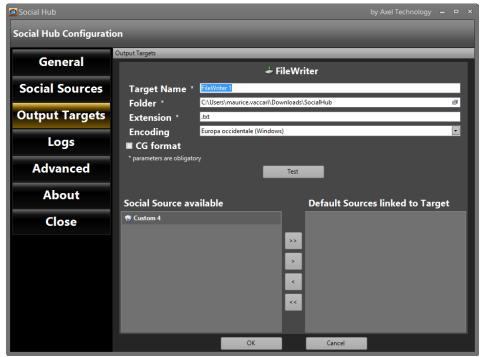
 To add or remove all the social sources, use

 To add or remove all the social sources, use



# 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

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

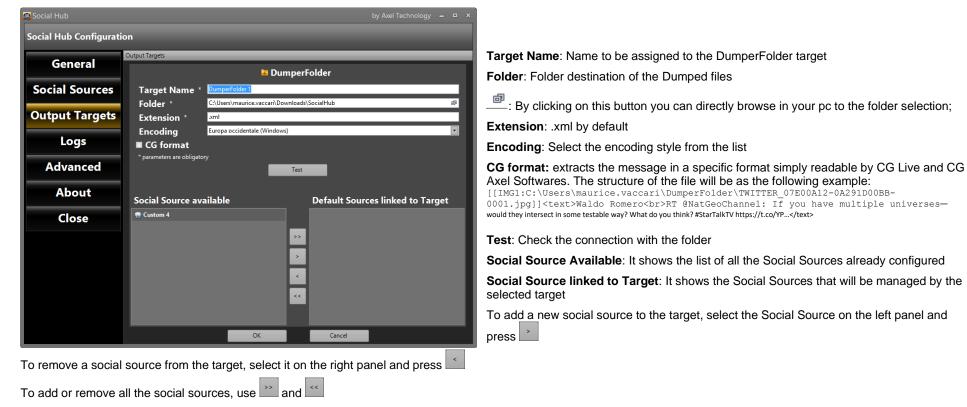
To add a new social source to the target, select the Social Source on the left panel and press

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



### 2.3.5 DumperFolder

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

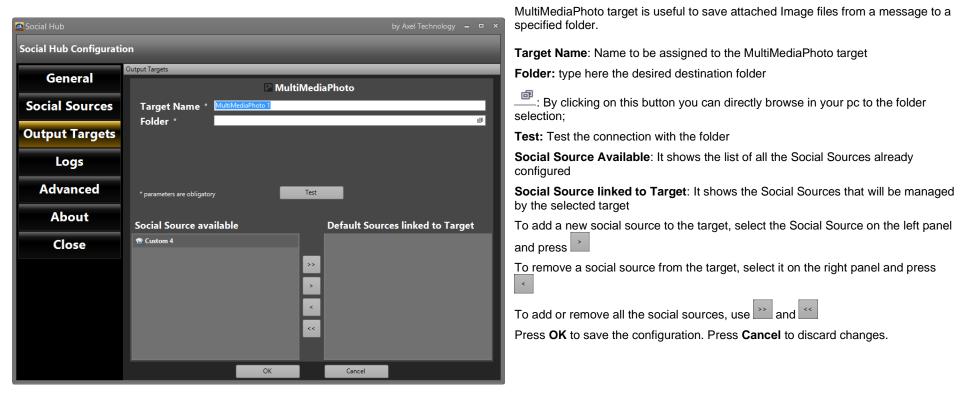


Press **OK** to save the configuration. Press **Cancel** to discard changes.





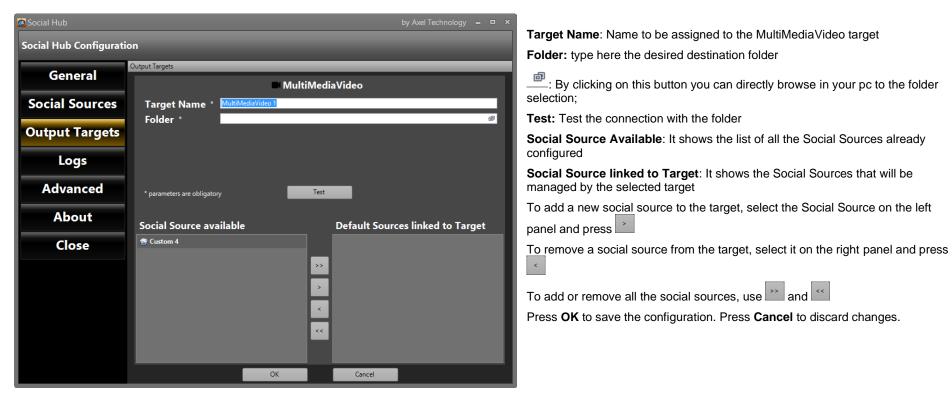
# 2.3.6 MultiMediaPhoto





#### 2.3.7 MultiMediaVideo

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





# 2.3.8 MultiMediaAudio

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

Social Hub	by Axel Technology 🗕 🗖 🗙	
Social Hub Configuration	on	Target Name: Name to be assigned to the MultiMediaAudio target
	Output Targets	Folder: type here the desired destination folder
General	MultiMediaAudio	: By clicking on this button you can directly browse in your pc to the folder selection;
Social Sources	Target Name * <u>MultiMediaAudio 1</u> Folder *	Test: Test the connection with the folder
Output Targets		Social Source Available: It shows the list of all the Social Sources already configured
Logs		Social Source linked to Target: It shows the Social Sources that will be managed by the selected target
Advanced	* parameters are obligatory	To add a new social source to the target, select the Social Source on the left panel and press
About	Social Source available Default Sources linked to Target	To remove a social source from the target, select it on the right panel and press
Close	19 Custom 4	To add or remove all the social sources, use 🔛 and <
	»•	Press <b>OK</b> to save the configuration. Press <b>Cancel</b> to discard changes.
	•	
	۲	
	•	
	OK Cancel	



#### 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.

Social Hub	by Axel Technology 🗕 🗖 🗙	
Social Hub Configuration	on	Target Name: Name to be assigned to the SingleDumper target
Conservation	Output Targets	Folder: type here the desired destination folder
General	🗶 SingleDumper	
Social Sources	Target Name * SingleDumper 1	$\stackrel{i}{=}$ : By clicking on this button you can directly browse in your pc to the folder selection;
Output Targets	Folder * C\Users\maurice.vaccari\Downloads\SocialHub III Extension * tot	Extension: file extension .txt by default
Logs	Encoding Europa occidentale (Windows)	Encoding: Select the encoding style from the list
Advanced	☑ Add sender to the message ☑ Dump image	<b>CG format:</b> 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:
About	Social Source available Default Sources linked to Target	[[IMG1:C:\Users\maurice.vaccari\DumperFolder\TWITTER_07E00A12-0A291D00BB- 0001.jpg]] <text>Waldo Romero RT @NatGeoChannel: If you have multiple universes—would they intersect in some testable way? What do you think? #StarTalkTV https://t.co/YP</text>
Close		Add sender to the message: decide to add the sender to the message or not
	2	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
	OK Cancel	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 remove all the social sources. To add or remove all the social sources, use and remove and remove and remove all the social sources.



# 2.3.10 TigerShark

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

Social Hub		by Axel Technology 🗕 🗖 🗙	Target Name: Name to be assigned to the Tiger Shark target
Social Hub Configurati	on		Target Name: Name to be assigned to the Tiger Shark target
	Output Targets		IpAddress: listening Tiger Shark Ip address
General	N Tige	rShark	UDP Port: UDP Port number
Social Sources	Target Name * TigerShark 1		Read Community: Public or Private
	IpAddress *		Write Community: Public or Private
Output Targets	UDP Port * <sup>161</sup>		Test: Check the connection with the Tiger Shark
Logs	Read Community * public Write Community * private * parameters are obligatory		Social Source Available: It shows the list of all the Social Sources already configured
Advanced		est	Social Source linked to Target: It shows the Social Sources that will be managed by the selected target
About Close	Social Source available  © Custom 4	Default Sources linked to 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 examples <b>OK</b> to save the configuration. Press <b>Cancel</b> to discard changes.
	ОК	Cancel	



# 2.4 LOGS

	Calendar 17/10/2016					17/1	0/2016	i Log 92						
General	•		otte	obre 2	016		•	DatTime	Application	LogType	Message			
	lun	mar	mer	gio	ven	sab	dom	17/10/2016 12:50:11	SocialHub	INFO	Configuration settin.			
Social Sources	26	27	28	29	30	1	2	17/10/2016 12:50:11	SocialHub	INFO	Configuration settin.			
	3	4	5	6	7 14	8	9	17/10/2016 12:37:05	SocialHub	INFO	Configuration settin.			
<b>Output Targets</b>	10	11	12 19	13 20	21	15 22	16 23	17/10/2016 12:37:05	SocialHub	INFO	Configuration settin.			
output langets	24	25	26	27	28	29	30	17/10/2016 12:37:04		INFO	Custom 4 -> No tar			
	31	1	2	3	4	5	6	17/10/2016 12:37:04	SocialHub	INFO	Custom 4 has been			
Logs	Toda	ay 17/	10/20	16				17/10/2016 12:37:04	SocialHub	INFO	Custom 4 source sta			
	😰 Fil	tors	_	_		_		17/10/2016 12:37:04	SocialHub	INFO	Rule Custom 4 -> N.			
Advanced		_	_	_	_	_		17/10/2016 12:30:51	SocialHub	INFO	Configuration settin.			
							î	17/10/2016 12:30:51	SocialHub	INFO	Configuration settin.			
About								17/10/2016 12:30:35	SocialHub	INFO	CGLive 1 has been r			
About		CEIVE	D					17/10/2016 12:30:22		ERROR	CGLivePanel test co			
-1	SE	NT						17/10/2016 12:30:11	SocialHub	INFO	Configuration settin.			
Close		CEDT/					~	17/10/2016 12:30:11	SocialHub	INFO	Configuration settin.			
		cialHu mpty)	ıb					Show Logs		· · · · · · · · · · · · · · · · · · ·				
								Configuration settings loaded.						
	Event	s & Lo	gs								Log queue cou			

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



NPUT	😡 0 new messages down	loaded		WatchFolder 1	Search on Twitter 1	2 T 🔹 🛙
	From	@ Sender	Body .	Modified Body	Received *	Sent Sent
ALL SOURCES 🛛 🥮	Twitter 1	Montova	RT @NatGeoChannel: "How much of the world are we missing simply because we're absent the senses to recognize it?" -@nelityson h	internity scol	18/10/2016 07:44	
Custom 4	Twitter 1	PLLS WeAreAboveNot	RT @NatGeoChannel: If you have multiple universes-would they intersect in some testable way? What do you think? https://t.co/YP		18/10/2016 07:16	
WhatsApp 1	Twitter 1	Jay Thomas	https://tco/SKaGBxilMi		18/10/2016 07:07	
sciencedaily rss 🛛 🚳	Twitter 1	Nolan	Shame @neiltyson won't ever have @joeer! on . He could nail the statistical nature of QM w/ a model of executing code many times.		18/10/2016 05:57	
Skype 1 📀	Twitter 1		RT @NatGeoChannel: "How much of the world are we missing simply because we're absent the senses to recognize it?" -@neiltyson h		18/10/2016 06:56	
Twitter 1	Twitter 1	Tearose	RT @NatGeoChannel: "I think I can safely say that nobody understands guantum physics." -Richard Feynman https://t.co/X2CNoF2vZt		18/10/2016 06:45	
WatchFolder 1	Twitter 1	Joshua Severson	RT @NatGeoChannels: 'If we're just sims do we really have conscious experiences?" -@BillNye		18/10/2016 06:43	
watenroider i	Twitter 1					
		Joshua Severson	RT @NatGeoChannel: "How much of the world are we missing simply because we're absent the senses to recognize it?" • @neiltyson h		18/10/2016 06:43	
	Twitter 1	Jailor God 😡	RT @NatGeoChannel: If you have multiple universes-would they intersect in some testable way? What do you think? https://t.co/YP		18/10/2016 06:42	
	Twitter 1	Jade Cat3	RT @NatGeoChannel: "How much of the world are we missing simply because we're absent the senses to recognize it?" - @neiltyson h		18/10/2016 06:36	
	Twitter 1	Nolan	Has @neiltyson been watching @davidicke?		18/10/2016 06:35	
	Twitter 1	Dan Zane	RT @NatGeoChannel: "How much of the world are we missing simply because we're absent the senses to recognize it?" -@neiltyson h		18/10/2016 06:34	
	Twitter 1	Azul	RT @NatGeoChannel: "If our universe is real, and not simulated, it might not be the only universe." -@neiltyson https://t.co/R		18/10/2016 06:31	
	Twitter 1	<b>S</b> .	RT @NatGeoChannel: If you have multiple universes-would they intersect in some testable way? What do you think? https://t.co/YP		18/10/2016 06:30	
	Twitter 1	Jogonoli	The Joel Gonçalves de O. Daily já saiu! https://t.co/7adlVgVovk Graças a @esquivafalcao @alemannoEU @DukeU #diadelasescritoras		18/10/2016 06:26	
	Twitter 1	Cori Belanger	RT @NatGeoChannel: 'If we're just sims do we really have conscious experiences?" -@BillNye		18/10/2016 06:22	
UTPUT	Twitter 1	Mr T	RT @NatGeoChannel: "If our universe is real, and not simulated, it might not be the only universe." -@neiltyson https://t.co/R		18/10/2016 06:22	
CGLive 1	Twitter 1	T_vazzy	RT @NatGeoChannel: "How much of the world are we missing simply because we're absent the senses to recognize it?" -@neiltyson h		18/10/2016 06:20	
FileWriter 1	Twitter 1	T_vazzy	RT @NatGeoChannel: "If our universe is real, and not simulated, it might not be the only universe." .@neiltyson https://t.co/R		18/10/2016 06:20	
DumperFolder 1	Twitter 1	Craften Mcoy	RT @NatGeoChannel: "How much of the world are we missing simply because we're absent the senses to recognize it?" -@neiltyson h		18/10/2016 06:19	
	Twitter 1	Nolan	Once @neiltyson sees @rickygervais' The Invention of Lying, he'll adopt PKD's definition of reality. #ConsensusSays		18/10/2016 06:14	
	Twitter 1	Salvador	RT @NatGeoChannel: "I think I can safely say that nobody understands quantum physics." -Richard Feynman https://t.co/X2cNoF2yZt		18/10/2016 06:14	
	Twitter 1	Lynn Taylor	RT @NatGeoChannel: "How much of the world are we missing simply because we're absent the senses to recognize it?" - @neiltyson h		18/10/2016 06:12	
	Twitter 1	🔽 🎉 Waldo Romero	RT @NatGeoChannel: "I think I can safely say that nobody understands quantum physics." -Richard Feynman https://t.co/X2cNoF2yZt		18/10/2016 06:11	
						S 12 8 14
	Twitter 1	ilor God 🕮	Message			Send to targets <ul> <li>CGLive 1</li> </ul>
	Ja					FileWriter 1
	R	T @NatGeoChannel: If	you have multiple universes—would they intersect in some testable way? What do you thi	nk? https://t.co/YP		DumperFolder
E.	1				129/100	Send
	attachment	add new		back to original lock / unlock	delete	

**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.

💟 Twitter 1	Jailor God 🌐		
	RT @NatGeoChannel: If you have multiple universes—would they intersect in some testable way? What do you think? https://t.co/YP		1
-			
			129/10

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  $\rightarrow$  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



ENG

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:

		-						
•	Facebook	-	Luca Gri	llini	E' Morto Gabriel	ſ.	Сору	d un genio a
f	Facebook	ů,	Leonard	o Zambo	Caccia ai film.Ecco	2	Send	
f	Facebook	-	Gianluca	Busi	LISTENING TO:Th	×	Delete	nson-Only
f	Facebook	1	Gabrièl S	Shannon	Ubi Verbum desin	Â	Check as read	
f	Facebook	13	Biagio Er	manuele	17 aprile. Sono se		Check as locked	ta figura, al
	e				**			

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

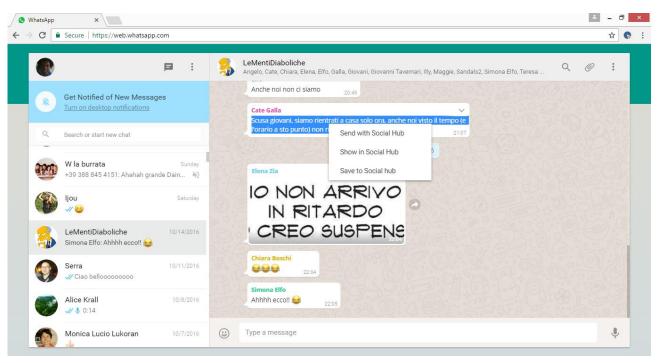
Save to Social Hub: this command save the message in the Custom Source section

Comet may have struck   × 2 Ma			×							- 0 🔜	
→ C ③ www.sciencemag.org/			h-just-10-million-ye						2	☆ 🜑	ŀ
				Маал	AS		Authors   Members	Librarians   Advertisers			l
	Home	News	Journals	Topics	Careers		Search	Q			
	Latest News	ScienceInsider	ScienceShots	Sifter	From the Magazine About News	Quizzes					
	SHARE				/	FOLLOW	V NEWS FROM SCIENCE				
	95			_			Advertisement	<b>N</b> X			
	0		-		The same same	and the second se					
	18	2	-		and the second		0				
	( <b>1</b> ) 3	-	12-Juni	- 14	gen ar starter						
			4 1		different die est						
							Learn <b>R</b> by doing	1 the			
		A comet may have sediment cores.	hit Earth 56 million yea	ars ago, leaving b	behind telltale glassy spheres in Jan	res Thew/iStockphoto	Start Free Course				
					k Earth j <u>ust 10 millio</u>	on					
		yea	with Social Hub in Social Hub	ir ex	ctinction						
		By Pat	to Social hub					_			
					on surged into Earth's atmosphere, ra uge wildlife migrations—a scenario tha						
					g. But what triggered this so-called Pa nained a mystery.	leocene-					
		Now. in new w	ork presented or	n 27 Septem	ber at the annual meeting of the Geole	ogical Society		17			,



## ENG

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: <u>ANDROID VIRTUAL MACHINE</u>, or thanks to a special Google Chrome plugin that acts only at <u>https://web.whatsapp.com</u>.

## 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 : <u>https://virtualbox.org/wiki/Downloads</u>

Install Virtualbox using default settings

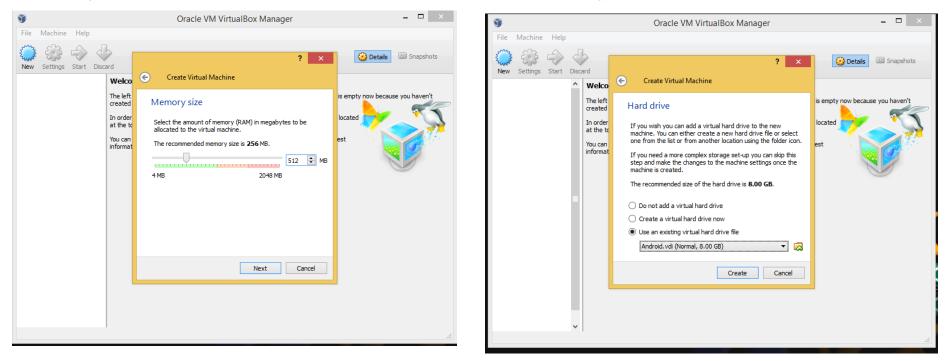
Create a NEW Virtual Machine : name it Android, Linux, Linux 2.6 (32 bit)

<b>9</b>	Oracle VM VirtualBox Manager	- 🗆 ×
File Machine Help		
New Settings Start Discard	? ×	😧 Details 🔟 Snapshots
Welco	Create Virtual Machine	
The left created	Name and operating system	is empty now because you haven't
In order at the to	Please choose a descriptive name for the new virtual machine and select the type of operating system you intend to install	located
You can informat	on it. The name you choose will be used throughout VirtualBox to identify this machine.	est
	Name: Android	
	Type: Linux   Version: Linux 2.6 / 3.x (32 bit)	
	Hide Description Next Cancel	
		.h.



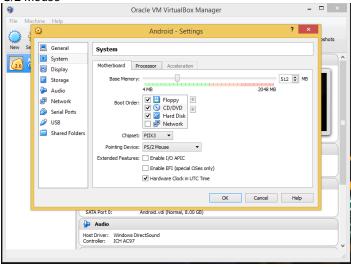
#### Select 512 MB RAM

Use an existing Hard drive and select the ANDROID.VDI file which you can download from <a href="http://www.axeltechnology.com/public/SocialHub/Android.zip">www.axeltechnology.com/public/SocialHub/Android.zip</a>





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



In Audio tab select Audio controller : SOUNDBLASTER 16

🔞 File Macl	hine Help	Oracle VM VirtualBox Manager -	
	0	Android - Settings ? 🗙	oshots
New Se	General     System     System     Display     Storage     Audio     Network     Serial Ports     US8     Shared Folders	Audio       I Enable Audio       Host Audio Driver:       Windows DirectSound       Audio Controller:       SoundBlaster 16	
-		ATA Port 0: Android.vdl (Normal, 8.00 GB)	
		ist Driver: Windows DrectSound Introler: ICH ACS97	•



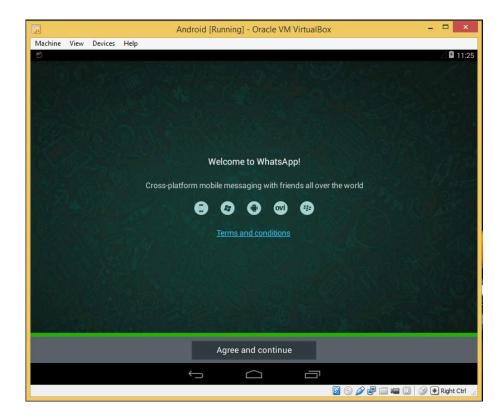
8 23 AN - Settings -📃 General Network 🗵 System Adapter 1 Adapter 2 Adapter 3 Adapter 4 🖳 Display Enable Network Adapter Storage Attached to: Bridged Adapter 💌 🖗 Audio P Network Name: Intel(R) 82579V Gigabit Network Connection -🐊 Serial Ports Advanced Ø USB Adapter Type: PCnet-FAST III (Am79C973) • Shared Folders Promiscuous Mode: Allow All • 5 Mac Address: 0800279C24E7 Cable connected Port Forwarding Select a settings category from the list on the left-hand side and move the mouse over a settings item to get more information. OK Cancel Help

In Network tab select Attacched 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

<b>@</b>		Windows Security Alert	×
💮 Windo	ows Firewa	ll has blocked some features of this app	
Windows Firewall h networks.	as blocked som	e features of virtualbox.exe on all public and private	
8	Name:	virtualbox.exe	
	Publisher:	Unknown	
	Path:	C:\program files\oracle\virtualbox\virtualbox.exe	
		ate on these networks: ny home or work network	
✓ Public netwo	orks, such as th	ose in airports and coffee shops (not recommended ten have little or no security)	
What are the risks	of allowing an a	app through a firewall?	
		Allow access Ca	ncel



Social Hub Configuration Social Sources General S WhatsApp Social Sources Source Name \* 9 hatsApp 1 Hostname \* sambadroid **Output Targets** Shared folder \*\*\* whatsapp Logs 4 Last days 60 \$ Refresh seconds Advanced Max posts 100 \$ 🛛 Hide phone number About Hide WhatsApp groups messages ■ Hide image ■ Hide sender Hide body Close Merge avatar with message image BottomLeft -\* parameters are obligatory Test

OK

Cancel

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

WhatsApp	×      Secure https://web.whatsapp.com		 ☆	
	Secure   https://web.wnatsapp.com		A	
	<b>P</b> :	LeMentiDiaboliche Angelo, Cate, Chiara, Elena, Elfo, Galla, Giovani, Giovanni Tavernari, Illy, Maggie, Sandals2, Simona Elfo, Teresa 🔍	0:	
	Get Notified of New Messages	Anche noi non ci siamo 20.49		
	Turn on desktop notifications	Cate Galla Scusa giovani, siamo rientrati a casa solo ora, anche noi visto il tempo (e		
Q	Search or start new chat	l'orario a sto punto) non riusciamo scusa! 21.07		
2000	W la burrata Sunday	10/14/2016		
HRAD	+39 388 845 4151: Ahahah grande Dain 🔌			
	ljou Saturday	IO NON ARRIVO		
a Calo	J	IN RITARDO		
8	LeMentiDiaboliche 10/14/2016 Simona Elfo: Ahhhh ecco!!	CREO SUSPENS		
	Serra 10/11/2016	Chiara Boschi		
1	🗸 Ciao belloooooooo	Simona Elfo		
	Alice Krall 10/8/2016	Ahhhh eccoll 😂 2205		
	√⁄⁄ \$ 0:14			
-	Monica Lucio Lukoran 10/7/2016	Type a message	Ų	,

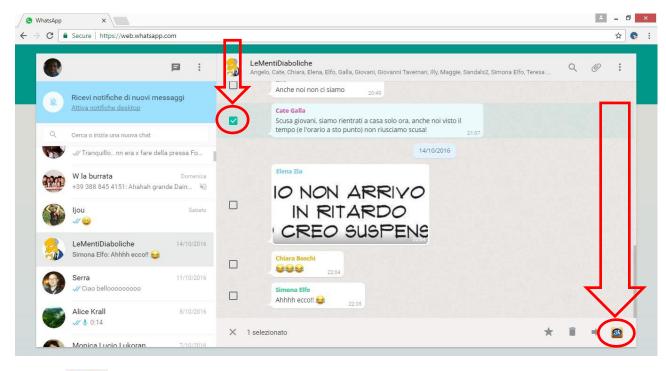
With the mouse go on the desired message and click on the Symbol, then select **Forward Message** from the following menu:

Reply
Forward message
Star message
Delete message
Message Cate Galla

AxelTech



Check the desired message as shown in this picture:





and select between the following options:



Send with Social Hub	
Show in Social Hub	Send with Social Hub: this command directly send the message from the Custom Source to the set output target
Save to Social hub	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.



# **6 FINAL CONSIDERATIONS AND AXEL TECHNOLOGY CONTACTS**

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www.axeltechnology.com

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