

Troubleshoot fixing guide PlugnCast G3

September 2016 Version 001C



1 Table des matières

1	Introd	luction	4
2	Prerequisite		4
3	Command line		
4 Troubleshooting			4
	4.1 P	recaution when migrating to MS-Windows10 or MS-Windows 10 Anniversary Update (Version 1	607) _4
	4.2 V	Veb browser	5
	4.2.1	Google Chrome or Mozilla Firefox	
	4.2.2	Zoom 100%	5
	4.2.3	Password saved by the Web browser	5
	4.2.4	Computer display resolution	5
	4.2.5	Values in combo box are empty sometimes	5
	4.2.6	Not able to connect anymore to PlugnCast with Google Chrome	5
	4.3 P	lugnCast UI	6
	4.3.1	Library: swf Model preview issue (when cross domain is not implemented)	6
	4.3.2	Library: meetingRoom preview is not supported	
	4.3.3	Library: slideshow mode or interactive mode with MS-PowerPoint (or PDF) medias	6
	4.3.4	Library: facing issue to open video media after a while with Firefox (rare)	6
	4.3.5	Library: full screen preview issue	7
	4.3.6	Library: maff/swf media edition issue	7
	4.3.7	Library: indexation issue when importing medias on Ubuntu server	7
	4.3.8	Library: size limitation of external resource imported when saving a model form	8
	4.3.9	Playout: default media for a layout region	
	4.3.10	Playout: manifest red stamp for a media MS-PowerPoint (or PDF) due to (missing) font required	9
	4.3.11	Playout: clean calendar event in the past to increase efficiency	
	4.3.12	Targets: player not on time (in https)	9
	4.3.13	Targets: group by variable cannot be edited when a variable is erased	10
	4.3.14	Settings/frontal: player not detected in PlugnCast with PlugnCast in https	11
	4.3.15	Settings: external frontal with poor connection could affect publication time	
	4.3.16	Settings: configuration script	11
	4.3.17	Settings: alarm sending by email (SMTP)	11
	4.4 P	lugnCast server	12
	4.4.1	Work with other ports	12
	4.4.2	List WebDAV directories	12
	4.4.3	Export a playout	12
	4.4.4	Connection increase with number of fonts	
	4.4.5	Issue to connect to PlugnCast in https even after having completely restart your Web browser	13
	4.4.6	Character fonts cannot be fetched	13
	4.5 P	layer not detected in PlugnCast UI with PlugnCast in https	13
	4.5.1	Certificate missing	
	4.5.2	Player not on time	



5 Major fix to be applied once in some conditions		
5.1	Activate software download by Plugncast G3 when passing to Gekkota 3.12.22	14
5.2	Repair datadase	15



1 Introduction

The goal of this document is to help users to fix trouble shoot with PlugnCast G3

2 Prerequisite

• PlugnCast Version 3.10.32 (and above)

3 Command line

Requirement	Troubleshoot & Fix
It is possible to erase all existing super administrator accounts users and restore default super administrator account (login: *superadmin*, password: *superadmin*)	After that, all players are unselected, variables value are not visible in the variable table of target menu. Click on *select the variables* icon again and select the appropriate column to see them again
It is possible to renew the SSL certificate of your PlugnCast server (when used in HTTPS)	plugncast.exe -k resetssl

4 Troubleshooting

4.1 Precaution when migrating to MS-Windows10 or MS-Windows 10 Anniversary Update (Version 1607)

opulate (version 2007)	
Requirement	Troubleshoot & Fix
Even if it is advised to install PlugnCast G3 on	IMPORTANT: In case migration from MS-Windows 8.X to MS-
MS-Windows server 2008 or MS-Windows	Windows 10 or from MS-Windows 10 to MS-Windows 10
server 2012, PlugnCast G can work also on	Anniversary Update (Version 1607) with PlugnCast already
- MS-Windows7,	installed, in order to avoid to lose all your PlugnCast data, save
- MS-Windows 8.1,	the PlugnCast G3 server file system before the migration and
- MS-Windows 10	restore it after migration (default
	<pre>path ```C:\Users\Public\Documents\Innes Plugncast Server```)</pre>
	Consequently, it is advised to go further by inactivating the MS-
	Windows version upgrade service



4.2 Web browser

4.2.1 Google Chrome or Mozilla Firefox

Requirement	Troubleshoot & Fix
PlugnCast UI is more efficient with latest	It is advised to use a recent version of Mozilla Firefox (ex: version
version of Web browser (Google Chrome and	36) or Google Chrome (ex: version 40) to ensure to not face any
Firefox)	unexpected issue linked to very old browser

4.2.2 Zoom 100%

Requirement	Troubleshoot & Fix
PlugnCast UI is designed to work with zoom 100%	Some unexpected display rendering issue (for example, when creating a new region for a grid) could be noticed when zoom is not 100% (done by using CTRL + mouse wheel in Web browser).
	In order to solve this kind of issue, in Web browser restore default zoom to 100%

4.2.3 Password saved by the Web browser

Requirement	Troubleshoot & Fix
When changing password of its proper	It is advised to clean Web browser history to ensure that
account, Web browser can keep password of	password is not saved
last session (another user for example)	
displayed	

4.2.4 Computer display resolution

Requirement	Troubleshoot & Fix
PlugnCast UI is designed for Screen	It is recommended to have a screen resolution of 1366x603 (at
resolution upper than 1366x603	least) to be able to display properly the PlugnCast Web UI (else
	some button could not appear in the interface)

4.2.5 Values in combo box are empty sometimes

Requirement	Troubleshoot & Fix
Combo box should always contain a value	In some rare case some value in combo box are not visible (combo box blanked). The problem is disappearing after a while (without any understood reason) by continuing to use PlugnCast normally (seen with Firefox 39 and above). The value is properly applied. That does not affect the PlugnCast behaviour.

4.2.6 Not able to connect anymore to PlugnCast with Google Chrome

Requirement	Troubleshoot & Fix
After a Windows server (hosting PlugnCast)	To solve the issue close Google Chrome web browser and open it
reboot and both Mozilla Firefox and Chrome	again
browser were connected to PlugnCast,	
Chrome browser may not be able to	
reconnect again to PlugnCast with F5 key	
(facing SSL_ERROR)	



4.3 PlugnCast UI

4.3.1 Library: swf Model preview issue (when cross domain is not implemented)

Requirement	Troubleshoot & Fix
PlugnCast Model RSS should be able to preview RSS stream	swf models preview in PlugnCast G3 is supported only when cross domain is implemented on RSS Web site (For example, preview of Flash model Free Feeds Sytadin www.sytadin.fr) When it is possible, do prefer using RSS maff models which are
	implementing properly RSS preview (even if cross domain is not supported in the Web site) Note: for custom model RSS, use a Innes MDK supporting HTML and last version of WidgetUtils (sept 2016 or above)
	Note: The model maff Feeds Sytadin should be available by 2016. The model maff RSS Fil d'actualités – bandeau horizontal (1.10.13) are already available

4.3.2 Library: meetingRoom preview is not supported

Requirement	Troubleshoot & Fix
PlugnCast should be able to preview Meeting	Until there there is no fix to preview the MeetingRoom model
Room model instance	instance.
	Preview should be available in MeetingRoom Mono 1.10.43 and
	MeetingRoom Summary 1.10.47 by 2016

4.3.3 Library: slideshow mode or interactive mode with MS-PowerPoint (or PDF) medias

Requirement	Troubleshoot & Fix
PlugnCast can transform a media from	Default behaviour for PDF/MS-PowerPoint/maff/swf media is 1X.
interactive mode (requiring user action) to	Ensure that these medias used in playout contain a duration by
slide show mode (all the page of the media is	page value so that they be played as a slideshow (else the media
played) (and reciprocally)	is played in interactive mode making that user keyboard event is
	required to go ahead on next pages of the media)

4.3.4 Library: facing issue to open video media after a while with Firefox (rare)

Requirement	Troubleshoot & Fix
The video and audio formats supported in	PlugnCast could face some issue to open some specific video
PlugnCast preview are the Web formats	medias with Firefox browser in case cache is corrupted. To solve
supported by the used Web browser	the issue, empty Firefox cache by going in menu
	options/advanced/network and click empty cache (note that
	CTRL + F5 might not be sufficient to solve the issue)



4.3.5 Library: full screen preview issue

Requirement	Troubleshoot & Fix
It is possible to preview some media in full	In some rare case, fullscreen preview does not work properly
screen	with Mozilla Firefox browser in case the function has been
	inactivated by user.
	To solve this issue, type *about:permissions* in new Mozilla
	Firefox browser tab, select IP address of PlugnCast and on the
	right panel, for *fullscreen* scrolling list: choose *activated* to
	activate fullscreen

4.3.6 Library: maff/swf media edition issue

Requirement	Troubleshoot & Fix
All maff/swf medias created with PlugnCast can be modified	In some very rare case, some model instance's form (realized with PlugnCast model library) can be not edited (edition tab is greyed), so cannot be modified (seen especially with linked medias). Anyway the media instance is working properly.
	To solve the issue, - either the model can be realized again easily: - create new model with the same configuration and delete the old one which cannot be editable - either the model is long and complex to be realized: - send a request for support to support@innes.pro

4.3.7 Library: indexation issue when importing medias on Ubuntu server

Requirement	Troubleshoot & Fix
It is possible to import any file (in case the	Ubuntu/SAAS: In some case, the importation of file seems to be
type is supported and file size is under the	done properly but the indexation for these files fails making that
limit)	the user needs to wait for the timeout expires (4/5 minutes)
	before having again the hand on PlugnCast. Moreover, the
	metadata of the files whose indexation has failed are unusable.
	To work around, it is advised to stop and restart PlugnCast server.
	Note: contrary to Windows servers, SAAS system do not reboot
	every night like Windows servers. Innes is working to fix this issue
	in a next PlugnCast version



6 711 Ko

4.3.8 Library: size limitation of external resource imported when saving a model form

Model form has to support importation of some external medias.

Requirement

Troubleshoot & Fix

In PlugnCast G3, the size of external media is limited when the form is saved (for example: "Diaporama", "MeetingRoom", "Fil d'actualité")

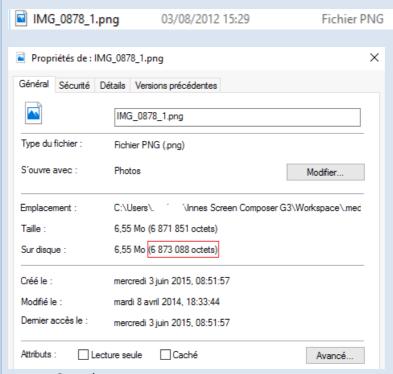
The limitation of the maximal size of an external media newly inserted or newly updated when saving a model form is 4,19 MB by default. Above this size, an error HTTP 413 is raised.

In case several files are imported in the form in a single shot: when the form is saved, the total of the imported (or updated) media sizes need to be also lower than 4,19 MB.

Note that this size is included a http request header of roughly 300 bytes

Note that in case an external image is inserted in the form, in case its resolution is more than 1920x1080, the image is resized to match maximal resolution 1920x1080 (Full HD). The size of the image media is decreasing according to the resolution when the form is saved. This size of resized image will be taken into account for the limitation explained above.

This default limitation can be changed by modifying a PlugnCast user preference By example, to support this image of ~6,711 Ko



- Stop the server
- In prefs.js (default directory C:\Users\Public\Documents\Innes Plugncast
 Server\.profile), add the line
 user_pref("innes.webserver.httpd.max-request-size",
 6873388);
- Start the server

This limitation should be solved in a next version of PlugnCast G3 (version number not communicated).



Note: in the example below, 6873088 + 300 = 6873388 (bytes) is chosen instead default value 4194304 (bytes) stored in httpd-common-prefs.js (default directory: C:\Program Files (x86)\Innes Plugncast Server\defaults\preferences

4.3.9 Playout: default media for a layout region

Requirement	Troubleshoot & Fix
In playout view, it is possible to affect a default media for a region	Create a new region in a grid. Before to save the grid, select *insertion des medias dans* habillage instead of *insertion des medias dans* le calendrier
	IMPORTANT: Please note that in this case, all the calendar events are deleted from the channel. Consequently, it is not possible to add media in a calendar event (note: default media in region is not supported for audio channel). To be able to add again events in calendar return back to *insertion des medias dans* le calendrier

4.3.10 Playout: manifest red stamp for a media MS-PowerPoint (or PDF) due to (missing) font required

Requirement	Troubleshoot & Fix
Some missing fonts could make that MS-	In order to solve this, insert the missing font in library/fonts
PowerPoint or PDF medias fonts is not	
rendered properly.	Note: That does not affect the publication
These medias can be seen easily in media	
manifest because the media is stamped in	
red	
Version 3.12.20 (and above)	

4.3.11 Playout: clean calendar event in the past to increase efficiency

Requirement	Troubleshoot & Fix
PlugnCast can erase all event in the past for a	By default, the events in the past are not cleaned by PlugnCast
playout	(and kept in database). In order to lighten database size and
	optimize PlugnCast efficiency, it is advised to clean events in the
	past when it is possible by using *sweep* button (icon with
	tooltip *delete past events*) in playout/calendar view)

4.3.12 Targets: player not on time (in https)

Requirement	Troubleshoot & Fix
PlugnCast is able to update time&date of the	To solve the issue, please see above "Player not detected in
player when time shift is more than 24 hours.	PlugnCast UI with PlugnCast in https"
In https, a PlugnCast domain certificate is	
required in the player. This certificate has an	
expiration date (ex min_date: 15/11/2015 -	
max_date: 15/11/2020). In case the player is	
not on time at all (below certificate min_date	
or above certificate max_date), the player	



can not communicate with the PlugnCast	
server domain anymore. And PlugnCast can	
not update the player time&date	

4.3.13 Targets: group by variable cannot be edited when a variable is erased

Requirement	Troubleshoot & Fix
PlugnCast can create/modify/delete group of player by "variable"	In case a variable used by a group is deleted, the group is not modified according to and cannot be modified anymore by user. In that case this error message is raised *group can not be edited because it has dependencies with variables which don't exist anymore*. To solve the issue delete the group and create it again



4.3.14 Settings/frontal: player not detected in PlugnCast with PlugnCast in https

Requirement	Troubleshoot & Fix
When PlugnCast domain's frontal is hosted	Export the PlugnCast certificate (associated to the domain) with a
on **HTTPS**, the player (Gekkota) needs	Web browser (Mozilla Firefox, Google Chrome)
the PlugnCast domain's certificate to be	Open Gekkota WebUI and go to maintenance menu
allowed connect to the server	- In certificate menu, add the PlugnCast certificate (exported
	just above) and reboot the player
	In case the player is still not detected by PlugnCast, ensure in
	PlugnCast that the server certificate exported (in
	menu *certificate SSL*) is containing the right domain name
	(```Extension > Nom > valeur```). If not, auto-generate again a
	server certificate with the current domain and export again (in
	case server certificate auto-generation, apply the same
	procedure for all your players)
	Ensure also that
	- Player is on time (activate if possible NTP)
	- Firewall incoming port 80, 443 (others port if some of
	them is used in your PlugnCast) are opened

4.3.15 Settings: external frontal with poor connection could affect publication time

Requirement	Troubleshoot & Fix
PlugnCast supports external frontal	PlugnCast is managing globally the publication on build-in frontal and external frontal. In case the communication with external is very slow, the publication efficiency on frontal build-in will be also globally slowed

4.3.16 Settings: configuration script

Requirement	Troubleshoot & Fix
PlugnCast is supporting configuration script	These configuration script name formats are supported: - ``` <mac>.configuration.js``` (lower case as well upper case for ```<mac>```) - ex: *00-1c-e6-02-fc-01.configuration.js* - ```<hostname>.configuration.js``` (lower case as well upper case for ```<hostname>```) - ```<uuid>.configuration.js``` (lower case as well upper case for ```<uuid>```) - ```configuration.js``` - note: in this case, PlugnCast is splitting configuration.js into proper not existing ```<uuid>.configuration.js```, ```<hostname>.configuration.js```, or ```<mac>.configuration.js``` depending on player identification method</mac></hostname></uuid></uuid></uuid></hostname></hostname></mac></mac>

4.3.17 Settings: alarm sending by email (SMTP)

O	0	9	,
Requirement			Troubleshoot & Fix
Alarm sending by email			Alarm with email sending is not implemented



4.4 PlugnCast server

4.4.1 Work with other ports

IMPORTANT Innes recommend to allocate an entire computer machine to warranty efficiency of PlugnCast G3 server. Innes does not warranty the proper working of PlugnCast G3 server in case other applications or services are launched on this PC server. PlugnCast G3 server is working on default ports 80 (HTTP) • Step1: create an empty preferences text file all.js, copy/paste in it these 2 lines below (in the example, new port for HTTP and HTTPS) and save - pref("innes.webserver.providers.http.port", 8080); - pref("innes.webserver.providers.https.port", 8443);	Requirement	Troubleshoot & Fix
 Step2: stop PlugnCast G3 server by clicking **Stop** desktop icon Step3: copy the file all.js in PlugnCast G3 user profile (default directory is C:\Users\Public\Documents\Innes Plugncast Server\.profile\preferences) Step4: in Windows firewall, add a new inbound rule to allow traffic on the new ports Step5: start PlugnCast G3 server by clicking **Start** desktop icon Step6: in Web browser, type https://<server_plugncast_ip_addr>:<new_port> example: https://myServerPlugnCast.com:8443</new_port></server_plugncast_ip_addr> 	IMPORTANT Innes recommend to allocate an entire computer machine to warranty efficiency of PlugnCast G3 server. Innes does not warranty the proper working of PlugnCast G3 server in case other applications or services are launched on this PC server. PlugnCast G3 server is working on default ports 80 (HTTP) and 443 (HTTPS) However It is possible to make work the server on some other ports	 Step1: create an empty preferences text file all.js, copy/paste in it these 2 lines below (in the example, new port for HTTP and HTTPS) and save

4.4.2 List WebDAV directories

Requirement	Troubleshoot & Fix
It is possible to list the PlugnCast server	The WebDAV directories can be listed with the URL
WebDAV directories	https:// <your_server_ip>/.frontals/.webdav/<your_domain>/?list_directory</your_domain></your_server_ip>

4.4.3 Export a playout

4.4.3 Export a playout	
Requirement	Troubleshoot & Fix
It is possible to export a playout as tar.gz	Playout can be exported as tar.gz from the PlugnCast server to
with your Web browser	your PC with a Web browser
(by example for debug issue)	- limitation: the medias whose relative path is more than 100
	characters are not exported in tar.gz
	- type this URL in your Web browser
	https:// <your_server_ip>/.frontals/.webdav/<your_domain>/</your_domain></your_server_ip>
	- The playout is downloaded by default in this directory as an
	archive tar.gz
	C:\Users\ <user_name>\Downloads as</user_name>
	Compatibility: to be able to inflate properly the archive, the
	software has to support UTF8 (supported only on these very
	latest version of WinZip or 7Zip)
	- WinRar V5.40 beta1 (or above)
	- 7Zip V9.5 (or above)



4.4.4 Connection increase with number of fonts

Requirement	Troubleshoot & Fix
A lot of fonts can be imported in library.	Connexion time to PlugnCast is increasing with the amount of
Consequentty the connection duration to the	fonts loaded in library (roughly 20 seconds more for 200MB of
PlugnCast's domain could be increased	fonts file)
	To reduce connexion duration remove not useful fonts

4.4.5 Issue to connect to PlugnCast in https even after having completely restart your Web browser

Requirement	Troubleshoot & Fix
PlugnCast in https	In some very rare case, after the installation of a new PlugnCast version, it could be possible to not be able to connect to PlugnCast due to wrong management of certificate whereas no problem was never faced before. The only way to solve the issue is to renew the certificate plugncast.exe -k resetssl
	This issue is very rare: think to restart all your Web browser and check again before doing this command. Because this new certificate should be deployed on all your player

4.4.6 Character fonts cannot be fetched

Requirement	Troubleshoot & Fix
Message « character fonts can not be	In case facing, immediately after login, the message * character
fetched » (or in french « les polices de	fonts can not be fetched* (or in french *les polices de caractères
caractères ne peuvent être récupérées »)	ne peuvent être récupérées*), please repair the databases as
	described in chapter Fix / Repair datadase

4.5 Player not detected in PlugnCast UI with PlugnCast in https

4.5.1 Certificate missing

Requirement	Troubleshoot & Fix
When PlugnCast domain's frontal is hosted	Export the PlugnCast certificate (associated to the domain) with a
on **HTTPS**, the player (Gekkota) needs	Web browser (Mozilla Firefox, Google Chrome)
the PlugnCast domain's certificate to be	
allowed connect to the server	Open Gekkota WebUI and go to maintenance menu
	- In certificate menu, add the PlugnCast certificate (exported
	just above) and reboot the player
	In case the player is still not detected by PlugnCast, ensure in
	PlugnCast that the server certificate exported (in
	menu *certificate SSL*) is containing the right domain name
	(```Extension > Nom > valeur```). If not, auto-generate again a
	server certificate with the current domain and export again (in
	case server certificate auto-generation, apply the same
	procedure for all your players)



4.5.2 Player not on time

update the player time&date

or above certificat max_date), the player can not communicate with the PlugnCast server domain anymore. And PlugnCast can not

Troubleshoot & Fix

To solve the issue, please see above "Player not detected in PlugnCast UI with PlugnCast in https"

Note: Innes recommends also to use NTP server (in player WebUI) so that the player is always on time

5 Major fix to be applied once in some conditions

5.1 Activate software download by Plugncast G3 when passing to Gekkota 3.12.22

3.1 Activate software download by Finglicast d5 when passing to dekkota 3.12.22	
Requirement	Troubleshoot & Fix
This fix is dedicated to activate HTTP	- In order to activate software upgrade with PlugnCast G3,
software download on player so that they	- download this migration script ```enable-g3-addon-manager-
can support software download and	http-downloader.js``` [download](plugncast-g3/enable-g3-addon-
configuration script management in	manager-http-downloader.js){.auth-downloads}
PlugnCast G3 environment	- insert it in PlugnCast library and
	- drop it in your playout *playout/property* tab) then
	- publish the playout in the target players
	- Preconditions
	- Ensure that player Gekkota_os version is 3.12.20 (or above)
	- Ensure that player Gekkota_rt version is 3.12.22 (or above)



5.2 Repair datadase

Requirement

This fix is permitting to repair the corrupted databases (calendar, library & frontal databases).

This command line need to be launched once for all customer having installed a PlugnCast version 3.12.20 (or below) and passing to 3.12.21 (or above)

Troubleshoot & Fix

plugncast.exe -k repairdbs -domain <plugncast_customer_domain>

- Until version 3.10.20, PlugnCast databases has an issue that can corrupt itself (anyway in most of the cases probably no problem has been faced yet). It is highly recommended to repair the corrupted databases of your domains with this command line
 - Go on plugncast workstation, and open command line prompt
 - Go in PlugnCast installation directory
 - By default: C:\Program File (x86)\Innes Plugncast Server
- Launch this command line plugncast.exe -k repairdbs -domain <plugncast_customer_domain>:
- Result: few seconds after command launch, in case a database repairing is successful (few seconds), the corrupted database is copied and saved back in the same directory with time&date suffix, and new one are created (see time&date of the new files).
 - Default database directory for a domain:
- C:\Users\Public\Documents\Innes PlugncastServer\.domains\<plugncast_customer_domain1>\.db\cmsdb (for calendar database)
- C:\Users\Public\Documents\Innes PlugncastServer\.domains\<plugncast_customer_domain1>\.db\frontalsdb(for frontal database)
- C:\Users\Public\Documents\Innes PlugncastServer\.domains\<plugncast_customer_domain1>\.db\metadatadb(for library database)
 - In case one of the three databases is not repaired,
 - Stop server (stop icon)
 - Try once again the command line
 - Start server (start icon)
 - Check again
 - In case one of the three databases is still not repaired,
 - please contact support@innes.pro
- Note: these are some examples of unexpected behaviour when the database corruption brings some problems:
- An error message is raised immediately after login: *fonts can not be fetched*. Consequently, the fonts are not available anymore in library
 - The models are not visible when opening models library
 - It is not possible to edit form of existing model instance
- Modification of playout or calendar can not be saved (saving reply an error message with HTTP error 400)