

Go! Production Suite

v2.0.5 Release Notes

Go! v2.0.5

Go! Plugin For Adobe Premiere Pro v2.0

Media Transformer v7.0.1

Version History

Document Name: **Go! Production Suite v2.0 Release Notes**

Version	Description	Date	Author
1	Go! Production Suite Release Notes	15 th March 2017	AC
2	Go! Production Suite Release Notes	22 nd May 2017	DH

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This document does not form part of the product's technical or functional specification and does not form part of any contractual agreement.

If you have any questions please contact SAM Support

Any problems with install or operation of this software should be reported to the SAM Support Department where a representative will assist with the issue.

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Any questions please mail customersupport@S-A-M.com and we will do our best to help.

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Software Release Details

Release Description	Go! Production Suite Release
Release Type	Bug Fix Release
This version	2.0.5
Release Date	22 nd May 2017
Other Notes	

Release Scope & Supported Products

System Component		Transformer Services	
✓	Media Transformer		ISA Search Service
✓	Go!		InterSite Connect
✓	Go! Plugin for Adobe Premiere Pro		Render Engine
	QTube Edit		
	QTube Browser		

Product Overview

The Go! Production Suite is a set of editor clients supported by sQ server software that enables an end-to-end news or programme production workflow, from any connected location on a wide range of devices.

The Go! web-based editor allows users to start creating news packages on virtually any connected device, including desktops, touch tablets and smart phones. Users can search and view their remote media libraries, including live feeds with tails and build a professional news package with transitions and effects using an edit timeline. Users can record a voiceover, use other local media, and publish back to an sQ Server with metadata. MXF & MP4 files can be downloaded, grab snapshots, add and review comments and edit metadata.

The Go! Plugin for Adobe Premiere Pro enables Adobe Premiere Pro users to search an sQ Server for clips and timelines - including growing files and clips created using Go! and use them on their Premiere Pro timeline as a downloaded MXF file. Once the edit is complete it is uploaded with metadata back to the sQ Server.

Using the Go! Plugin for Adobe Premiere, Windows 7 users can now work directly "in-place" on the server without downloading files, speeding up workflows.

The Media Transformer provides an HTTP gateway - in the form of a MEDIA REST API - to the content and services inside sQ Server. It is this API that all editors in the Go! Production suite are built upon.

Installation

Note: From this release the Transformer is supplied as a preconfigured virtual machine.

If however a custom installation is required, please pay careful attention to the configuration notes below.

Media Transformer can be run on both Windows Server 2008 R2 64-bit and Windows Server 2012 R2 64-bit

New Install

The Windows Server installation should be setup with an Administrator user account called **SAM**. When installing the Media Transformer software, ensure you are logged on as the user **SAM**. You will need to run the installation program, setup.exe, and the software as an Administrator. To do this, right-click on the files before running them and select 'Run as Administrator'. You will only need to do this when installing the software and running it for the first time.

Upgrades

When installing the Media Transformer software, ensure you are logged on as the **SAM** user. You will need to run the installation program, setup.exe, and the software as administrator. To do this right-click on the files before running them and select Run as Administrator. You will only need to do this when installing the software and running it for the first time.

By default, the Media Transformer installs and upgrades with the new User Management *turned on* (requires manual SQL Server installation), providing the tools that customer need to deploy remote workflows in operational mission critical environments. A successful installation includes fully operational user management *if* no legacy 3rd party integration is required.

If you are upgrading from a QTube Transformer (prior to v5.4 rev 8 p1) that *requires* existing legacy third party integration to continue working, you will need to change the authentication settings back to Basic Authentication in the Media Transformer Settings to turn off operational and user management tools. Failure to do this will result in the Media Transformer not running up properly. The option to disable user management will only be available for a short while. After notice has been given of it being disabled all customers will need to migrate to Forms Authentication and User Management being enabled. Please contact support for more information.

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Registry settings

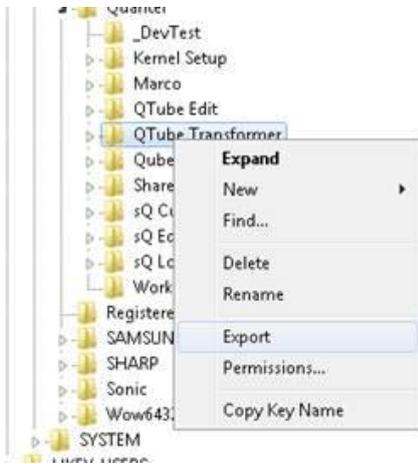
Some customers may still be using QTube Transformer software.

Any customers using the QTube Transformer will have the software's saved in the registry under a "QTube transformer" registry key.

With the final release this key is now called Media Transformer so any existing registry setting will need to be migrated from the original **QTube Transformer** to **Media Transformer**:

- 1 Open **regedit.exe**
- 2 Go to **HKEY_LOCAL_MACHINE\SOFTWARE\Quantel\QTube Transformer**
- 3 Right click and select **export**
- 4 Export this to a temporary folder
- 5 Open this exported file to a text editor
- 6 Within the editor, perform a find and replace from string '**\SOFTWARE\Quantel\QTube Transformer'** to '**\SOFTWARE\Quantel\Media Transformer'**
- 7 Save this change to the file
- 8 Back inside **regedit.exe**, Import the edited file.

This should migrate your registry settings from **QTube Transformer** to **Media Transformer**.



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Required software

Name	Description
DirectX 11	x64 applications require DirectX 11 to be installed. The SAM installer will install if the system is found to be running an earlier versions of DirectX

Media Transformer

Name	Description
Windows 2008 R2 64-bit or Windows 2012 R2 64-bit	Windows Server Operating system
IIS 7.5	Microsoft Internet Information Service
Web Platform installer	Plug-in install for IIS apps
Application Request Routing	Runtime statistics, disk cache settings and managed cached content
URL Rewrite	Provides rewriting capabilities based on rules for the requested URL address
Basic Authentication	Legacy Authentication deprecated
Forms Authentication	Required for User Management API monitoring and role based access
Web Farm Framework	The Microsoft Web Farm Framework simplifies the provisioning, scaling and management of multiple servers
Smooth Streaming	Microsoft smooth streaming application
.Net framework	Windows .Net Framework v4.5.2
Java JRE 6	Java runtime environment version 6 or later
Internet Explorer 11	Microsoft Web Browser
Google Chrome	Google web browser - always use the latest
System Security (Echo ID)	Locking Code Generator (Echo ID)
Sentinel Dongle Driver	V8.3.0.exe

Associated or optional software

Name	Description	Version	Notes
Media Transformer	Software to be installed on PC running Windows Server 2008 R2 or Windows Server 2012 R2	V7.0.1	
Go!	Web-based editor. (Installed with Media Transformer)	V 2.0.5	
Go! Plugin for Adobe Premiere Pro	Premiere Pro Plugin version of the Go! web application	V2.0	
QTube Edit	GENQ based editor to be installed on PC running Windows 7 64-bit	v5.4 rev 8_p1	
QTube Browser	Microsoft Silverlight web browser application, running on HTTP Transformer. (Installed with the HTTP Transformer). Please	V7.0.1	Deprecated

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	note this is included for legacy reasons and has been superseded by Go!		
Search Service	Presents ISA clips as HTTP and XML	v2.0.1.0	
Microsoft SQL Server	User Management and API monitoring database	2008 R2 2012 R2	
sQ Server Software	sQ400 and sQ800 servers	v5.11.22	Deprecated
sQ Server Software	sQ1000 Series server	v1.6.6	
ISA Software		v5.3.2.1	

Minimum PC Specification

Please see the **PC specifications for customer supplied hardware** document for the latest hardware recommendations.

License

An engineer will be required to install and setup the software, SAM Support Engineers are available to provide technical advice and assistance via go to assist.

At least one V7 license will be required to run the Transformer software.

License Option	Service
163	Homeless - Optional
164	Transformer Render Engine - Required
165	Transformer MediaMover Engine - Required

If connected to a QTube Edit or Qube the following are required as well:

License Option	Service
112	MLT Edit
113	MLT FX
114	MainConcept DV100 Codec
115	Panasonic AVC Intra Decode
116	Panasonic AVC Intra Encode
118	MainConcept DV25/50 Codec

Note: These licenses are separate and different to the CALs used to control user and third party system access via the HTTP Transformer API.

Important Information

SSL – Security

If using SSL security it is the responsibility of the customer to obtain a genuine certificate from an approved authoring authority e.g. Verisign.

This is also required to enable voice over record in Google Chrome.

Number of connected clients

A single HTTP Transformer instance supports 4 concurrent **remote** users with little or no performance drop, or up to 20 local LBR **pass-through** users with little or no performance drop.

When mixing local and remote users, each remote user is equivalent to 5 local users.

Please see the HTTP Transformer specification for more details of mixing local pass-through and remote ABR users.

CALs

The HTTP Transformer abandons the *Named User License* model for *Concurrent Access Licenses* hereafter known as CALs.

Each concurrent user, or third party needing to use the Transformer API, requires an available CAL.

Any user can use any admin-permitted application as long as there is an available CAL.

If there is no available CAL, a user will have to wait until another Users' CAL is released. A CAL is released either by another user's session timing out, the user logging off, or an Administrator forcing a user to log off thus releasing their CAL.

The CALs in each customer order are contained in a CAL key, 1kb of text contains the CAL details.

The system administrator or SAM project or support engineer pastes the CAL key into the license dashboard in the Go! User Management system. Once the CAL start time has passed, the CALs are added to the system pool for users to acquire and release as they log on and off.

By default a CAL last 5 years from date of purchase. Near and after a CAL has expired all users in all applications are warned that the system is in breach of the terms of licensing. The software does not stop functioning.

As indicated above, CALs have an end date & time. While we are not currently issuing CALs for shorter than 5 years, once a CAL has expired it will be removed from the system pool.

The User Dashboard provides a graph of historic and currently logged on user totals Vs total CALs available.

Existing Customers' Named User Licenses

Existing or QTube customers will have previously purchased *Named User Licenses*.

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On installation of the new Remote User Management software from **HTTP Transformer v5.4 rev 8**, these will be converted to concurrent CALS and added to the system by a SAM support or project engineer, if applicable.

Audio & Video Folder

The Transformer requires audio and video folders to be set. This is needed so that when mixed audio clips are created from Go!, the transformer can do an audio mix-down. In future this will also be used for further features.

Changes in this Release

New Features and Enhancements

- Improved in-place editing performance now supported on Media Transformer running on Server 2012

Customer-reported Issues Resolved

- SQCF-1607 - Using Server 2012, IIS 8 and Basic Auth, Go fails to play
- SQCF-1629 - GO! fails to download qxavc video (format 633)

Changes in Previous Release

New Features and Enhancements in V 2.0

Go!

- A timeline ruler
- Duration length indicators
- Better zoom controls
- More editing hotkeys
- Better trim tools
- Better transition tools
- History and snapshots for changes and versions
- All round better performance
- Source timecode display

Go! Plugin for Adobe Premiere

- Improved in-place editing performance. (For Adobe Premiere running on Windows only. Requires the new Media Transformer running on Server 2008)

Note:

With in-place editing faster than real-time playout is not supported on multiple seats all accessing media at the same time.

For improved performance it is recommended that audio waveforms are turned off in Adobe Premiere. This is additional processing that will use bandwidth.

Likewise audio scrub should be turned off for improved performance.

Media Transformer

- Supports Server 2012, and will run on Server 2008

Customer-reported Issues Resolved

SQCF-1627- Seat publishes report invalid clip_copy_ID

SQCF-1625- LBR pass through of Arthur Browse not working

Known Issues

File picker

Due to a bug with Chrome on Android, the local file picker is not available when uploading files in a browser. This prevents users of Go! using Chrome on Android from selecting and uploading existing local media.

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Upgrading Go! versions

When changing to new versions of Transformer/Go! problems can occur because Chrome has a local cache storage which can prevent new features from functioning properly. To stop this, after the new version of Transformer/Go! has been installed, log on to Go!, go to the Preferences menu, select Clear Data and press apply. This will clear the cache. Please note, this will also clear the timeline, bins and will set everything back to default.

Playout freezes and black frames

We have found a bug in Chromes video decoder, which can be resolved by turning off a Chrome flag.

In Chrome open a new tab and go to `chrome://gpu`

There should be a field under Graphics Feature Status called Video Decode. This should have Hard acceleration disabled or unavailable. There is a bug in Chromes hard acceleration which causes the player to freeze.

In order to disable open a new tab and go to `chrome://flags` search for Hardware-accelerated video decode And click Disable, you will have to relaunch Chrome to take effect

Transitions on segments with insufficient tails

If there is not sufficient tails between two segments that have a transition between them, the following undesirable behaviour may be observed.

- Dark grey is used for the frames where there are missing tails to fulfil the transition duration
- The portion of the transition where dark grey is used may be reserved

Ensure there are enough tails in any segments for the full length of the transition.

A warning is provide when adding a transition if there are not enough tails for the transition duration, however if the tails are shortened or transition is lengthened *later*, a warning is not provided, resulting in the above behaviour.

History Snapshots

Currently history snapshots do not support voiceovers.

Other Information