New - Vantage Cloud Port

Vantage 8.0 introduces a new feature: Vantage Cloud Port

- Vantage Cloud Port enables the ability to place certain actions into a mode where their execution will take place within containerized micro-services in the cloud. For more information, please visit our Vantage Cloud Port information page: https://www.telestream.net/vantage/vantage-cloud-port.htm

About This Release

This update includes the following:

- New features and bug fixes for Timed Text Flip and Timed Text Conform

Installation

This ComponentPac update can be installed on Vantage systems running Vantage 8.0 or Vantage 8.1. *Please test this update in a lab environment before deploying in production.*

Secured Version Control App Note: http://www.telestream.net/pdfs/app-notes/app_Secured_Version_Control.pdf

New features this Update

- SUB-2080 Added option to treat EBU-STL Open Subtitles files as if they were actually Teletext encoded in Double Height mode
- SUB-2056 Added option to set the region overflow visibility to visible or hidden when outputting IMSC TTML
- SUB-2049 Added WebVTT output option to merge subtitle regions (cues) that occur at the same time, because some WebVTT players do not display such subtitles correctly otherwise, even though this is supported by the specification
- SUB-2024 Added WebVTT output option to omit the optional cue "size" attribute from the cue settings, because some players clip the text if the cue size is too small.

Fixed in this Update

- SUB-2072 / SUB-2042 When exporting to SCC field 2, XDS/V-chip data will be disabled by default because it causes problems in systems that don't support it. It can be enabled via checkbox if required.

- SUB-2069 Fixed extra blank line in some source files being inserted into WebVTT outputs which created invalid files
- SUB-2068 Fixed missing spaces between words when converting some sources with italics or other styling to EBU-STL or Teletext
- SUB-2063 Fixed TTML files created from PAC files could contain invalid Unicode sequences
- SUB-2053 Fixed special character 'œ' missing from French PAC files
- SUB-2050 / SUB-1975 When converting source files to CEA-608/708 captions that contain unsupported characters, you will now get the correct error message when the job fails, instead of a more generic error message
- SUB-1879 Fixed subtitles in Hebrew EBU-STL files that began the subtitle with numeric digits had reversed digits.
- SUB-2057 Fixed job failure that could occur when failing to delete temp files that were still locked for use by the job process.

Known Issues

The following are known issues in this release, which may be fixed in a future Vantage or Vantage component release.

SUB-2042: XDS/V-chip data is not supported when outputting 23.976fps SCC files.

SUB-2042: When extracting captions from video files to SCC and the source video file is 29.97 NDF, it is recommended to enable the frame rate conversion filter, and set the output to 29.97 NDF (drop frame unchecked) to force the output to remain at 29.97 NDF, otherwise the output file may have drop frame characteristics.

SUB-1425: When running in Cloud Port mode, DCP subtitle files that link to PNG image files using relative file paths will not process correctly because the PNG files do not get localized to the cloud.

SUB-1274: When encoding 608 captions, and the source contains an em dash in column 32, the em dash may be encoded in a way that not all caption decoders will decode correctly. It is not recommended to place an em dash in column 32.

SUB-1024: Minor differences in font rendering may be seen when comparing subtitle overlays made in cloud mode versus the same action run on-premise. This can include small variations in positioning, word wrapping, font anti-aliasing, etc. Some features such as support for vertical subtitles and Ruby annotations do not work in cloud mode and will be addressed in a future update.

SUB-1043: If the Font parameter is bound to a variable and the job is run in cloud mode, the font will not be verified as being available in cloud mode. If the job is run with a variable that specifies a font that isn't available in cloud mode, a different font may be substituted without warning.

SUB-1058: When running in cloud mode and outputting to Subtitle Overlay, all text in a region will be drawn with the same text outline setting. Some sources such as TTML may specify different text outlines in the same region, but in cloud mode, only the first text outline setting from each region will be used.

SUB-927: When encoding Teletext, the maximum number of characters per line is 37 (when the double-height mode is enabled) or 38 (when the double-height mode is disabled). Subtitle sources with more than this number of characters will encode to Teletext but lines of text that are too long will be truncated.

SUB-614: When outputting SRT, some timecode results are different from MacCaption SRT files.

SUB-794: When rendering Arabic text to a subtitle overlay, ensure you select a font that supports all Arabic characters. Some fonts (e.g. "Arial") may not support all Arabic characters correctly.

SUB-805: Certain customer-provided transport streams containing DVB Subtitles are failing to read as an input source in this version of Timed Text Flip.

SUB-747: Converting certain source files such as Spruce STL input to an EBU-STL output may fail with an error in the subtitle converter. This is because EBU-STL output only supports certain exact frame rates which may be different from what is contained in the source file. Workaround: Enable the Frame Rate Conversion filter and set the EBU-STL output to the desired frame rate (typically 25.0 or 29.97).

DVB Subtitle Output – General issues
Certain combinations of settings such as high resolution (greater than 720x576), high color depth (greater than 16), or certain font effects such as large font size, drop shadow, etc. can cause DVB subtitles to exceed the bitrate that will fit into the final transport stream after muxing with video & audio in IPTV. Care should be used to select settings that do not exceed the available bitrate in the stream.

SUB-547: If a specific font is selected for the Font setting in Subtitle Overlay, and that font is not available for use on a node, the job is expected to fail. However, on Windows Server 2016, we observed that the job may hang instead. Using -> Control Panel -> Appearance and Personalization -> Fonts -> Download fonts for all languages -> Now the workflow completes jobs without hanging.

SUB-563: Can't decode Teletext from a Media Input and output to TTML SMPTE-TT 2052 profile. Workarounds: Select IMSC 1.0 profile instead or use a two-step process to output SMPTE 2052: TT Flip action with Media input to TTML output (IMSC1 profile), followed by another TT Flip action with TTML input to TTML output (SMPTE 2052 profile).

SUB-564: Can't decode Teletext from a Media Input and output to SCC or MCC
Workaround: To convert from a Media source with embedded Teletext to SCC or MCC output, use a two-step process: Create one TT Flip action with a Media input and a TTML output (set to read a Teletext page as the source channel), then, create a second TT Flip action with a TTML input and an SCC or MCC output.

SUB-458: Converting Lambda CAP to TTML combines two vertical text regions into one text line. Workaround:
This does not occur when using TTML profiles IMSC 1.0 or iTT (which both support vertical regions properly). Only an issue when using the Default/Basic TTML profile which does not support vertical text anyway.

SUB-451: Attempting to create UHD or 4K DVB ts results in an 'Argument out of range error.'

SUB-449: Overlay text extends outside the text box in several character sets.

SUB-440: Some PAC files cause intermittent job failures when the wrong language is selected going to Subtitle Overlays

SUB-428: Some PAC files cause job failures when the wrong language is selected going to DVB Subtitles

SUB-423 / SUB-461: Captions with complex wipes produce unusable DVB outputs not compatible with IPTV. DVB subtitle streams with peak bitrates significantly higher than the maximum 400kbps will trigger buffer errors on the mux. Users may choose to generate potentially non-compliant transport stream files by disabling the option to "Treat Buffer Underflows/Overflows as Errors."

SUB-415: Timed Text font scales outside the title safe background box when scaling font to 200% or greater.

SUB-396: Timed Text: TTML source job may fail if the 4-line limit for CEA-608 captions is exceeded.

SUB-232: When using a source that specifies background boxes by default (e.g. closed captions), if you change the font to one that draws larger than the default monospace font, parts of some characters may be drawn extended outside of the background boxes. Suggested workaround: When using a source that specifies background boxes by default and you override the font, you should also enable the "Background Color Override" checkbox and specify the desired background color and opacity. This will resize the background boxes to better fit the specified font.

When using a source that contains paint-on or roll-up captions, and using a proportional font (e.g. Arial Black) without a font outline override and without a background color override specified, you may notice the text characters shift positions slightly from one frame to the next. Suggested workaround: When using a source that contains paint-on or roll-up captions, use the default monospace font (e.g. Courier New). Or, if you must specify a different font, you should also enable the font outline override and set a non-zero font outline size.

SUB-225: Some .GXF files may contain non-supported caption encoding that will result in garbled captions during timed text extraction from input Media.

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SUB-178: Subtitle Overlay output does not export non-square pixel resolutions such as 1440x1080. Must export full raster 1920x1080 and down convert.

SUB-159: Currently, input media in .LXF containers are not supported in the Same as Source outputs for caption data insertion.