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Release Notes –Version 2.2.19

HL7Kit Pro Toolkit
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Summary

Number	Created on	Summary
		Important new features
400	27/10/2014	Support of HL7 V2.XML format
448	30/11/2014	Define event ID's for all messages in Event Log
600	04/08/2015	Replace external library of message parsing (C code) with built-in C# module
1043	07/03/2016	Support of MySql DB in HL7Kit
		Improvements
317	07/08/2014	Worklist Manager : Change inserting new MWL entry
323	07/08/2014	Worklist Manager : Add filters to advanced search
335	14/08/2014	Worklist Manager : Add Requesting Service to Patient Registration
337	17/08/2014	Worklist Manager fixes
475	18/12/2014	HL7 Mapper: Add & mapping to rules
555	15/04/2015	HL7 Mapper: Add mapping of entire message text into DB
563	19/05/2015	Allow using ^ in receiving and sending application and facility
568	11/06/2015	Set ACK Message control ID (MSH 10) to timestamp "ACKyyyyMMddHHmmssfff"
602	05/08/2015	Add new options to HL7 Service
672	25/10/2015	Add a flag that directs the kit to use MSH6 from the inbound message as the value for MSH4 of the ACK
689	16/10/2015	Add 5000 symbols limitation of event log entry length
974	12/02/2016	Configurable Segment terminators
		Bugs fixed
339	19/08/2014	Installer in Control Panel programs list doesn't have right icon
450	01/12/2014	HL7Sender: pop-up message has no 'Cancel' option
456	03/12/2014	HL7Receiver: Tab "Override ACK" - the data is inaccessible
457	03/12/2014	HL7Receiver: If the window resized the buttons are moved on the tab "Override ACK"
562	18/05/2015	Segments are placed in wrong order in case there are more than one instance of the nested alias

Detailed Release Notes

317 – Worklist Manager : Change inserting new MWL entry

1. Add time selector for start_date_time field in SCHED_PROC_STEP
2. Add drop down for requested procedure description/code
3. Remove Patient Internal Id and Accession Number text boxes from the form
4. Build Internal Id and Accession Number automatically for entering to DB:
 - a. Patient Internal Id = new Id from N_PATIENTS table
 - b. Accession Number = "A" + Patient Internal Id
5. Remove Requested Procedure ID and Scheduled Procedure Step ID from the form
6. Set req_proc_id and sched_proc_step_id to row id from correspondent tables (REQUESTED_PROCEDURE and SCHED_PROC_STEP)
7. Auto Generate STUDY Instance UID

323 - Worklist Manager : Add filters to advanced search

1. By period - everything, today, this week, this month, this year
2. From - to date
3. By modality
4. By requested procedure description

335 - Worklist Manager : Add Requesting Service to Patient Registration

1. Add to the Patient Registration screen a text field in the service request section: "Requesting Service (Hospital ID):"
2. Add a field "Requesting Service" to the Service Request table and to the CFIND_MWL_QUERY view

337 - Worklist Manager fixes

1. Add Patient ID (for display read only)
2. Break Patient name to first name and last name
3. Accession Number: 15 characters max. Numeric, move to "service request section"
4. Add button on main screen and on edit row screen named "New Order (for this patient)". When clicked clear all fields but for patient name, id, sex and birth date so we create new request for same N_PATIENT record
5. Change label of "Performing Physician" to "Perform By"

400 - Support of HL7 V2.XML format

1. HL7Sender allows the user to open HL7 V2.XML files
2. HL7Sender allows the user to save HL7 Messages as HL7 V2.XML documents
3. HL7Receiver allows saving messages to disk in HL7 V2.XML format
4. HL7Receiver allows passing HL7 V2.XML formatted messages as parameter to external application
5. Remote application supports V2.XML representation
6. Reading and Writing V2.XML Messages

450 - HL7Sender: pop-up message has no 'Cancel' option

When one message is opened and the user clicks 'CPOE/RIS simulator' there is a pop-up message "Do you want to save it before other message loading?" with options "Yes" and "No", there is no option to cancel - the "x" in the form is disabled. Canceling should be available via clicking 'x'.

475 - HL7 Mapper: Add & mapping to rules

Add & column to mapper to allow breaking fields by & (sub component).


```
OBR|3|2183|
OBX|1||2183|2415|
```

563 - Allow using ^ in receiving and sending application and facility

In all applications (sender, receiver and service) one cannot set name and facility with components. If value is set in config or form, only first component is used.

The requested behavior should allow facility names like "A^B^C" to be received and configured both when using HL7 and V2.XML formats

600 - Replace external library of message parsing (C code) with built-in C# module

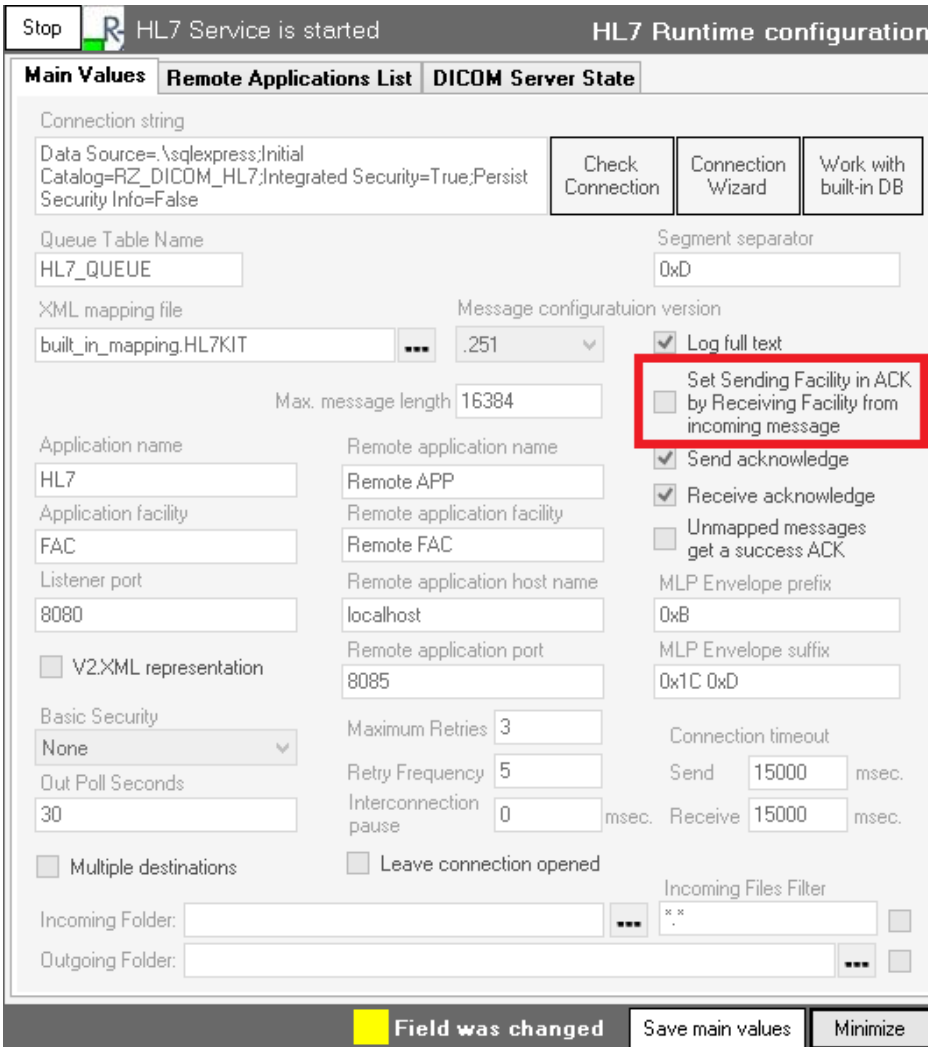
To eliminate unnecessary parsing errors and increase speed/performance.

602 - Add new options to HL7 Service

1. Add sleep between connections (configurable with 0 as valid option)
2. Add option as in Sender to leave connection opened for few messages

672 - Add a flag that directs the kit to use MSH6 from the inbound message as the value for MSH4 of the ACK

If this flag is selected - value of "Receiving Facility" in MSH segment of incoming message will be used as "Sending Facility" in MSH segment of the ACK message, If not selected - "Application Facility" value will be inserted.

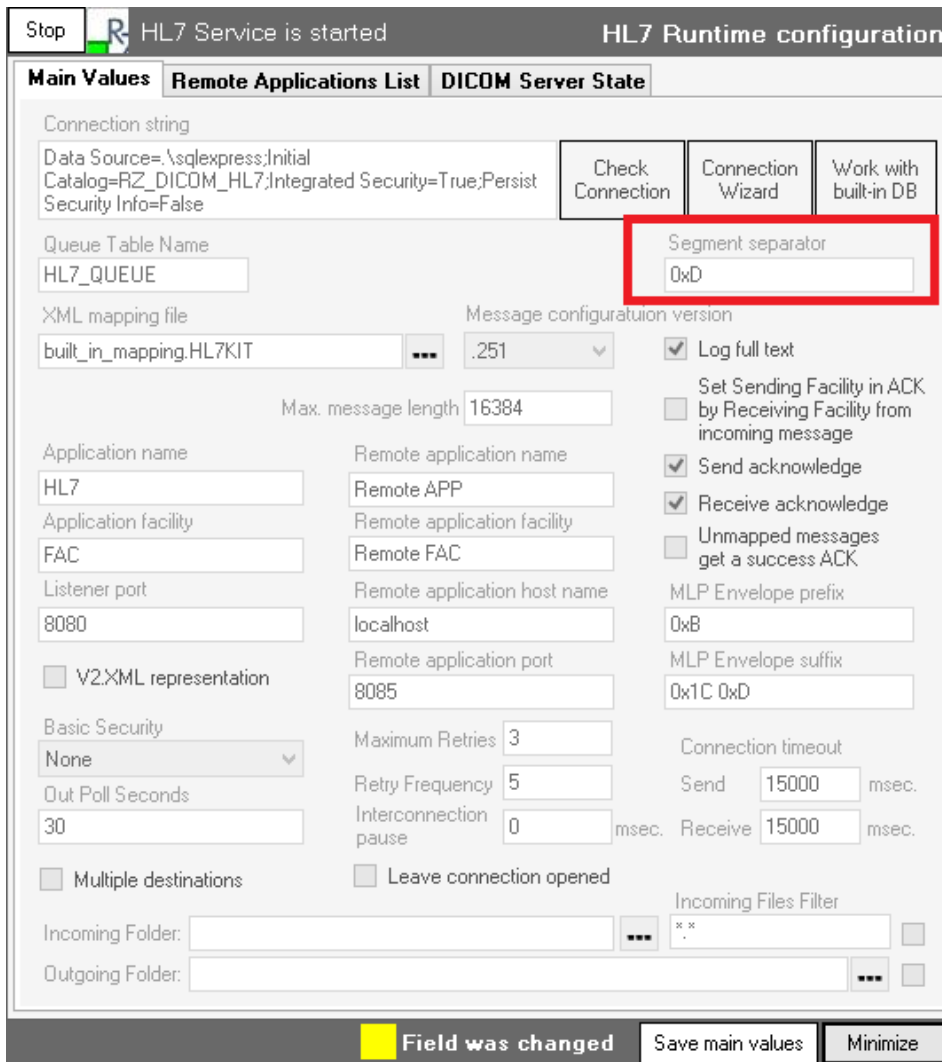


689 - Add 5000 symbols limitation of event log entry length

Otherwise if option "Log full text" is selected - system event log might overflow on incoming long messages.

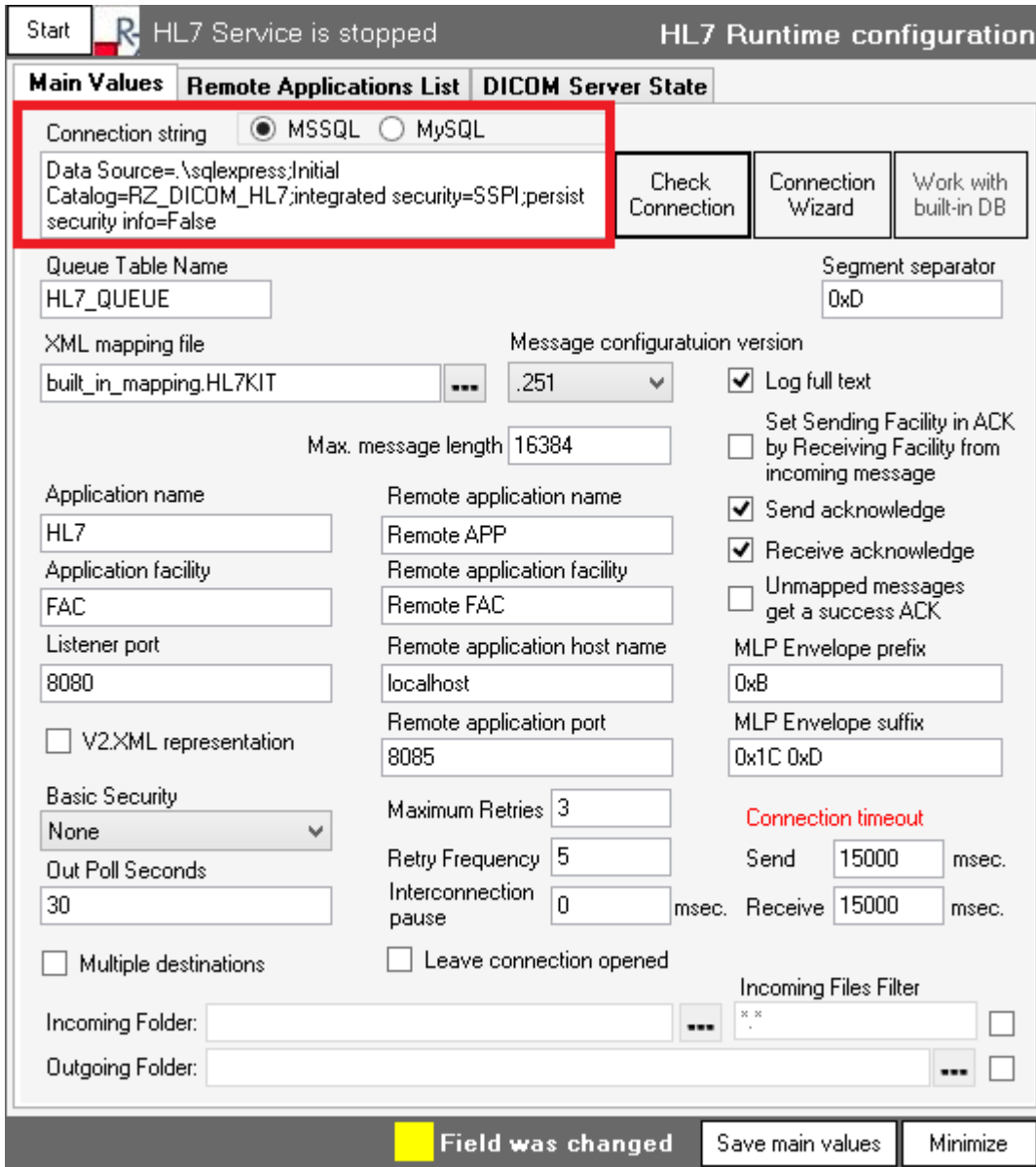
974 - Configurable Segment terminators

By default each segment is ended by LF (0xD) character. Now user can set custom characters combination (Hexadecimal notation) to use as segment separator:



The screenshot shows the 'HL7 Runtime configuration' dialog box with the 'Main Values' tab selected. The 'Segment separator' field is highlighted with a red rectangle and contains the value '0xD'. Other fields include 'Queue Table Name' (HL7_QUEUE), 'XML mapping file' (built_in_mapping.HL7KIT), 'Message configuration version' (.251), 'Max. message length' (16384), 'Application name' (HL7), 'Remote application name' (Remote APP), 'Application facility' (FAC), 'Remote application facility' (Remote FAC), 'Listener port' (8080), 'Remote application host name' (localhost), 'Remote application port' (8085), 'Basic Security' (None), 'Out Poll Seconds' (30), 'Maximum Retries' (3), 'Retry Frequency' (5), 'Interconnection pause' (0 msec), 'Send' (15000 msec), 'Receive' (15000 msec), 'MLP Envelope prefix' (0xB), 'MLP Envelope suffix' (0x1C 0xD), 'Incoming Files Filter' (*.*), and 'Outgoing Folder'. A yellow 'Field was changed' indicator is visible at the bottom left, and 'Save main values' and 'Minimize' buttons are at the bottom right.

1043 - Support of MySQL



Select MSSQL or MySQL option and use the connection string text box to configure the database connection or click the connection wizard button to use the UML utility (for MSSQL server only).

NOTE: If you are pasting connection string from another source - don't forget to select appropriate server before. Connection string template will be displayed after selecting each option