

PROTEROS DATASYSTEMS



Proteros Bulletin – Q3 2011

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Contact

If you wish to obtain further information on this product or any other Proteros Data Systems Ltd product, you are always welcome to contact us at:

+44 (0) 800 689 1953

enquiries@proteros.co.uk

www.proteros.co.uk

Media

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TABLE OF CONTENTS

FRURION™ PRODUCT UPDATE4

PRODUCT ENHANCEMENTS.....4

 RESPONSE CODES4

CLIENT OPERATIONS7

FORTHCOMING IMPROVEMENTS7

 HEX DUMP DISPLAY7

 PRE CONFIGURATIONS.....9

Furion™ Product Update

A new version of the Furion™ test simulator product suite is now available for downloading from our client ftp server. Full download details can be obtained from your client representative.

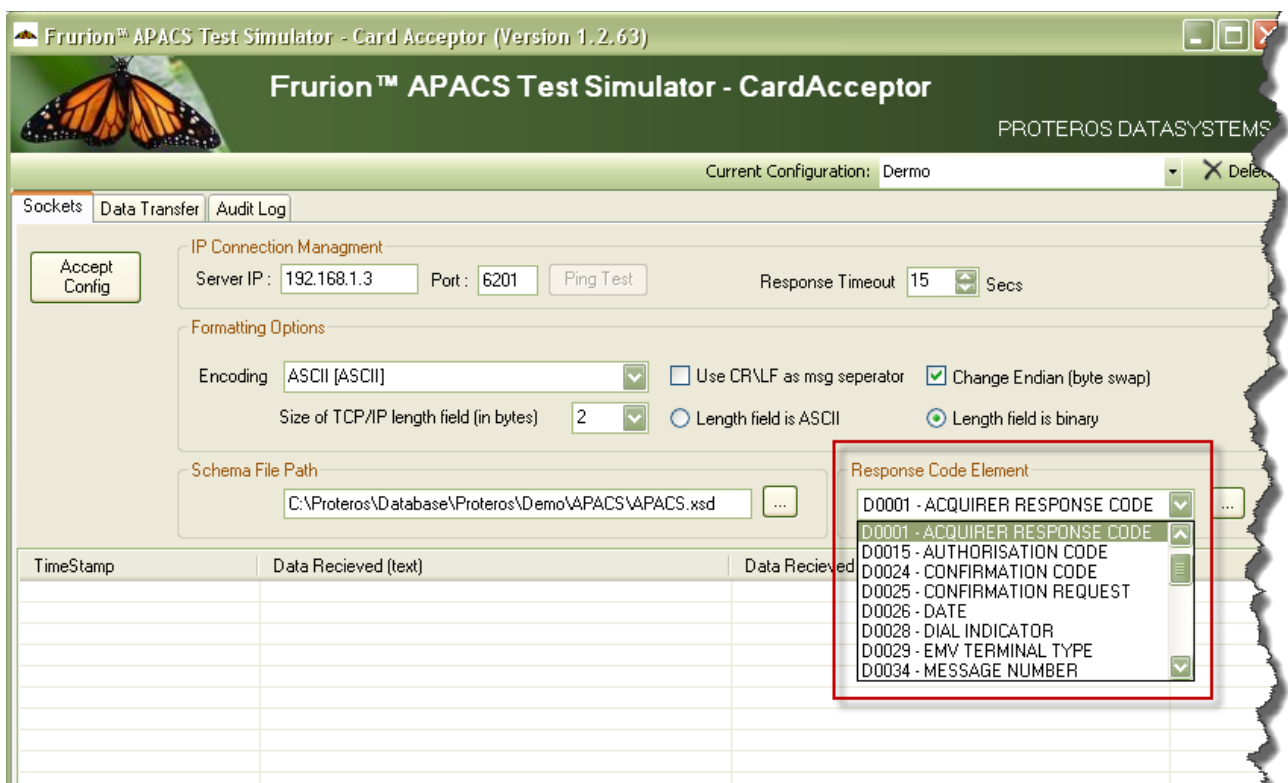
Product Enhancements

Response Codes

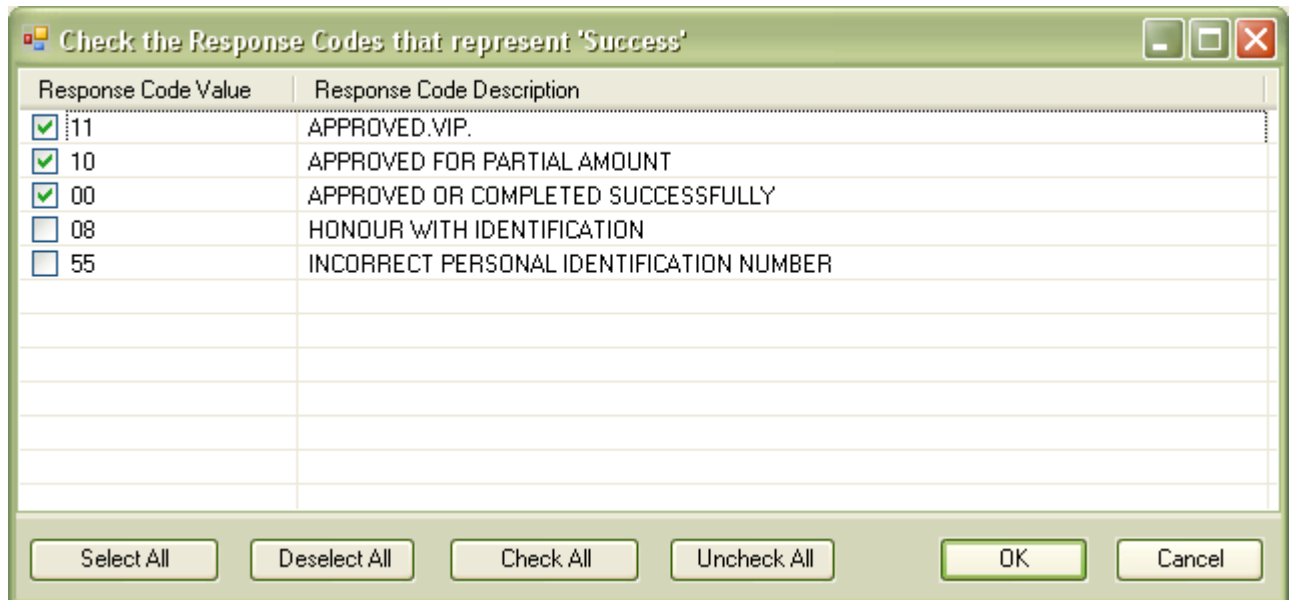
Continuing our commitment to giving the user total flexibility, it is now possible to select the field you wish to define for carrying the response code and which reference values are considered positive and negative during a simulation.

Whilst it is appreciated that in the ISO8583 and APACS standards the response codes are clearly defined, it was felt that the old architecture was not compatible with our flexible approach and so we removed the “hard-coded” logic and made this user-defined.

There is now a new field in all the Proteros simulators, allowing the user to define which field carries the response code.



The ellipse button to the right brings up all the reference values associated with the selected field. From here the user is able to mark which values are positive and which are negative before a simulation takes place. This aids when comparing expected against actual results as the simulator uses the values to determine if the associated response code it has received from the host is successful or not.



Response Code Value	Response Code Description
<input checked="" type="checkbox"/> 11	APPROVED.VIP.
<input checked="" type="checkbox"/> 10	APPROVED FOR PARTIAL AMOUNT
<input checked="" type="checkbox"/> 00	APPROVED OR COMPLETED SUCCESSFULLY
<input type="checkbox"/> 08	HONOUR WITH IDENTIFICATION
<input type="checkbox"/> 55	INCORRECT PERSONAL IDENTIFICATION NUMBER

Select All Deselect All Check All Uncheck All OK Cancel

If you are simulating a host system, you are now able to select the value to be returned in the response code field.

Frurion™ APACS Test Simulator - Acquirer (Version 1.2.63)

Frurion™ APACS Test Simulator - Acquirer

PROTEROS DATASYSTEMS

Current Configuration: Demo Delete

Sockets Data Transfer Audit Log

IP Connection Management

Start Listening Server IP: 10.191.61.19 Port: 6201

Formatting Options

Encoding: ASCII [ASCII] Use CR\LF as msg separator Change Endian (byte swap)

Size of TCP/IP length field (in bytes): 2 Length field is ASCII Length field is binary

Configuration Files

Schema File Path: C:\Proteros\Database\Proteros\Demo\APACS\APACS.XSD

Mapper File Directory: C:\Proteros\Database\Proteros\Demo\APACS

Response Code

Element: D0001 - ACQUIRER RESPONSE CODE Value: 00 - APPROVED OR COMPLETED SUCCESSFULLY

<Select a value>
 11 - APPROVED.VIP.
 10 - APPROVED FOR PARTIAL AMOUNT
 00 - APPROVED OR COMPLETED SUCCESSFULLY
 08 - HONOUR WITH IDENTIFICATION
 55 - INCORRECT PERSONAL IDENTIFICATION NUMBER

TimeStamp	Client IP Address:Port	Data Recieved (hex)

Client Connections: Messages Recieved: Messages Transmitted: Status:

Client Operations

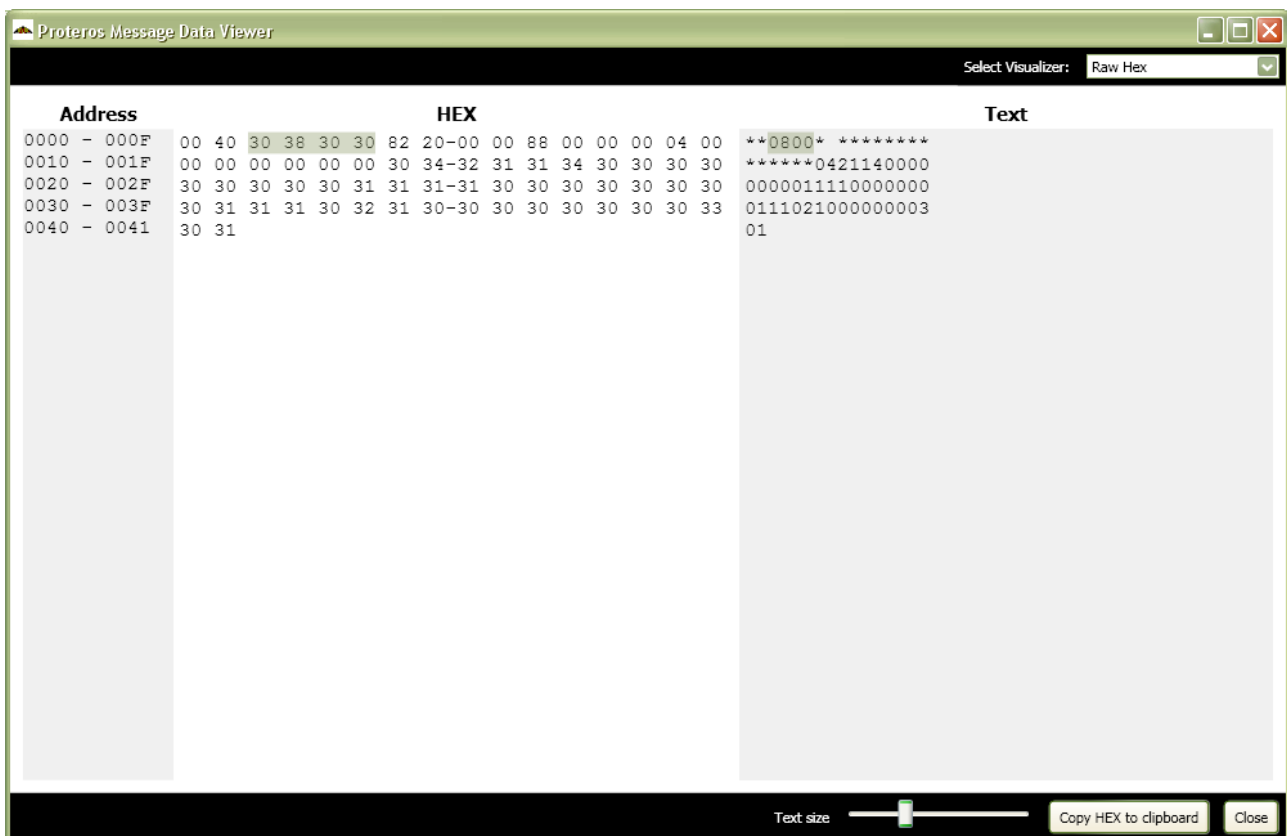
The Proteros ftp site has now been extended to all clients so as to serve as the only portal for product updates and patches. Please see your client representative for firewall and other settings, if required.

Forthcoming improvements

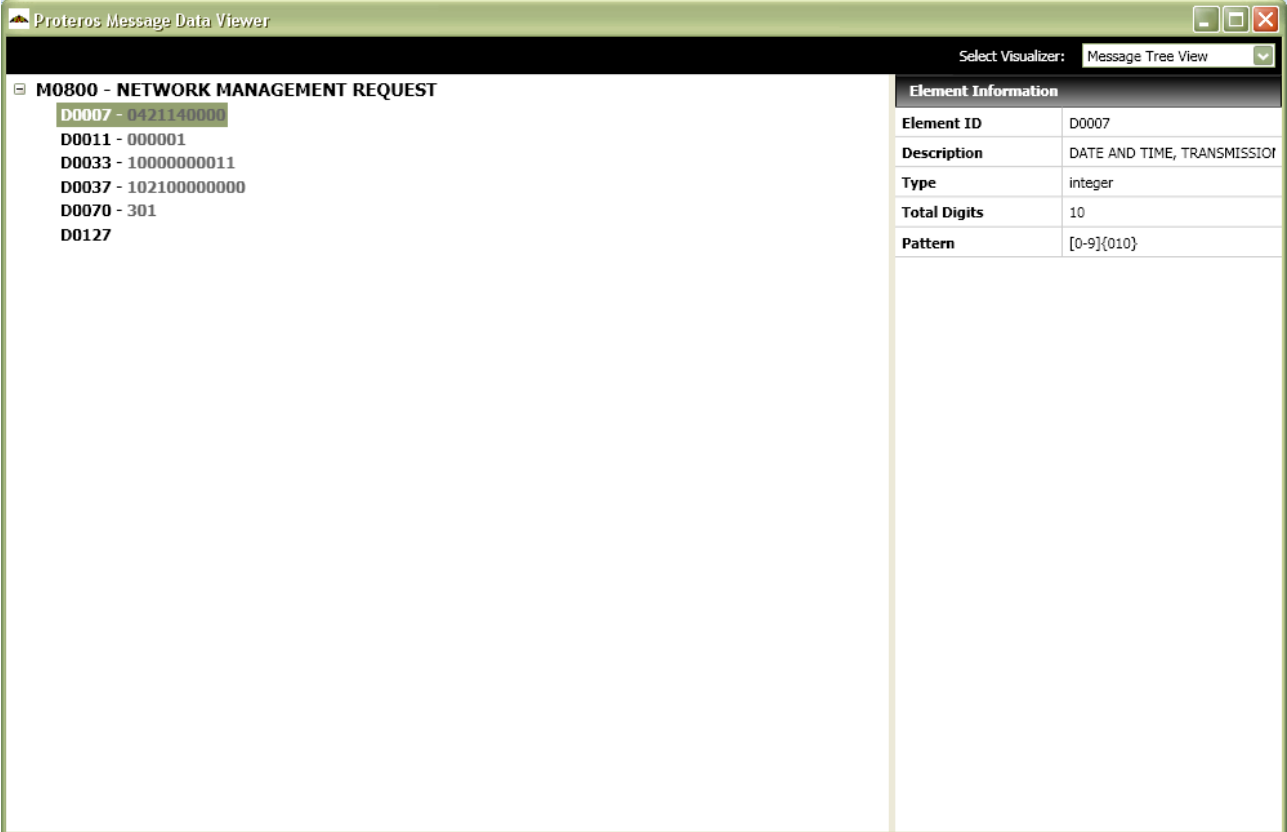
Hex Dump Display

The next release of the Frurion™ simulator suite will have a new enhanced hex dump display utility available from within the message and data definition editors but also from the simulators as well so that messages can be examined as they have been sent across before any manipulation is done.

The same features are available as with the old hex dump utility, in that you can highlight any part of the display to see the values in hex and in the message itself.



Furthermore, it is also possible to view the message in its hierarchical structure and to view the data values for each field in their native format along with the field attributes.



The screenshot displays the Proteros Message Data Viewer interface. The main window title is "Proteros Message Data Viewer". The "Select Visualizer" dropdown is set to "Message Tree View". The message structure is shown as follows:

- M0800 - NETWORK MANAGEMENT REQUEST
 - D0007 - 0421140000
 - D0011 - 000001
 - D0033 - 10000000011
 - D0037 - 102100000000
 - D0070 - 301
 - D0127

The "Element Information" table provides details for the selected element (D0007):

Element Information	
Element ID	D0007
Description	DATE AND TIME, TRANSMISSIOI
Type	integer
Total Digits	10
Pattern	[0-9]{010}

Pre configurations

While the element and message editor provide the user with total flexibility as to how messages are defined and used, Proteros has recognised that some clients would prefer to take delivery of various configurations without the need for their involvement.

We will therefore be providing an “out-of-the-box” facility for ISO8583 definitions to help reduced lead-time and implementation costs. Initially, this facility will cover:

1. VISA
2. Mastercard
3. American Express
4. A98 Switch
5. IFSF 8583
6. Echo Switch
7. National Payments Council of India (NPCI 8583)

APACS 30, 40 and 70 authorisations messages are already catered but this facility will be extended to cater for APACS 29 settlement definitions.

End of Document