Robotics Service Bus - Enhancement #337
Simplify Notification Protocol Buffer Descriptors

05/28/2011 01:34 AM - J. Moringen

Status:	Resolved		**Start date:**	05/29/2011
Priority:	Low		**Due date:**	
Assignee:	J. Wienke		**% Done:**	100%
Category:	Protocol		**Estimated time:**	0.00 hour
Target version:	0.3			

Description

Remove Attachment

- move binary -> Notification
- remove length, type_id

Remove MetaInfo

- merge with MetaData

Change field semantic:

- Notification.id: encode UUID as array of 16 bytes

Downgrade field types:

- Notification.version: string -> bytes
- Notification.id: string -> bytes
- Notification.scope: string -> bytes
- Notification.wire_schema: string -> bytes
- Notification.method: string -> bytes

Decoding field values as UTF-8 when they never actually go beyond ASCII wastes performance needlessly.

Store all descriptors in a single file (Protocol.proto).

Subtasks:

Tasks # 339: Remove type_id from Attachment PB?	**Resolved**

Associated revisions

Revision f78100ad - 05/31/2011 10:50 AM - J. Wienke

update protocol and meta data representation in C++ according to ticket

fixes #337 #339
refs #176

Revision a4e400b1 - 05/31/2011 10:50 AM - J. Wienke

update protocol and meta data representation in C++ according to ticket

fixes #337 #339
refs #176

Revision b40af678 - 05/31/2011 12:30 PM - J. Moringen

Adapted spread transport to changed protocol buffers
refs #337, #339

- src/transport/spread/fragmentation.lisp (assembly::id): store id as
  octet-vector
  (assembly-concatenated-data): changed retrieval of payload according
  to changed protocol buffers
  (assembly-pool::assemblies): use `equalp' as hash-table test
  (ensure-assembly assembly-pool simple-array integer): changed
  specializer string -> simple-array
- src/transport/spread/conversion.lisp (one-notification->event):
  removed attachment; retrieve id and scope as byte arrays; retrieve
  user-level meta-data from meta-data object
  (event-notifications): do not preprocess id and scope
  (make-notification): do not create attachment; store id and scope as
  byte arrays; store user-level meta-data in meta-data object
- test/transport/spread/fragmentation.lisp: adapted creation of
  notifications to changed protocol buffers
- cl-rsb.asd (system connection cl-rsb-and-cl-protobuf): changed
  protocol buffer descriptors files
  data/{Attachment,MetaData,Notification}.proto -> data/Protocol.proto

History

#1 - 05/31/2011 09:43 AM - J. Wienke

- *Status changed from New to In Progress*

#2 - 05/31/2011 10:50 AM - J. Wienke

- *Status changed from In Progress to Resolved*
- *% Done changed from 0 to 100*

Applied in changeset r1318.