ETP v1.1 Release Notes

The following is a summary of changes from ETP v1.0 to v1.1.

General

1. Java serialization source files are no longer part of the distribution. They have been moved to Bitbucket like all of the other languages. For more information, see src/java/README.md

2. The *ETP Implementation Guide* has been removed. Documentation for implementation in various languages is included with the various open source development kits.

3. Error codes are no longer enumerations. They are simply integers listed in the documentation.

4. The number and definitions of stability indexes for protocols has been changed. The current stability rating of all protocols has been reviewed and changed to match these definitions.

5. Required behavior has been clarified in many parts of the specification, and error messages have been added to signal non-compliance where necessary.

6. A security section has been added to the specification. It specifies the use of JSON Web Tokens and Basic authentication methods.

Core Protocol

1. New records were added for supplying ServerCapabilities.

2. The datatype 'bytes' was added to the DataValue union.

3. The fields applicationVersion and supportedObjects were added to the OpenSession and RequestSession methods.

4. A new message, RenewSecurityToken, was added to Protocol 0.

ChannelStreaming Protocol

1. All channel indexes are now represented by a long datatype. This appears in all records that have indexes. The interpretation of the long index units is defined by the various datum and scale fields in the ChannelIndexRecord.

2. ElapsedTime has been removed from the ChannelIndexTypes enumeration. The timeDatum field in IndexMetadataRecord can be used to achieve the same result.

3. In ChannelMetadataRecord:

    a. The mnemonic field has been renamed to channelName to be more generic for use cases other than well logs.

    b. The objectMetadata field has been removed. It has been replaced with contentType.

    c. New fields have been added for uuid, customData, and domainObject.

4. In IndexMetadataRecord:

    a. The datum field from v1.0 has been renamed to depthDatum. New fields include customData, scale, and timeDatum.

ChannelDataFrame Protocol

1. The DataFrame record was moved to the ChannelData namespace. The container for DataFrames was renamed to DataFrameSet.

2. The ChannelDelete message was renamed to ChannelRemove

Store Protocol

1. To be compatible with other messages, DeleteObject no longer takes an array of URIs, just a single one.

2. In PutObject, the field data was renamed to dataObject.

StoreNotification Protocol

1. To allow a customer to discontinue receiving change messages, a CancelNotification message was added.

GrowingObject Protocol

1. Objects are now identified by URI and not UUID.

2. The definition of ranges was changed to be independent of the ChannelStreaming definition of indexes.

DataArray Protocol

The new messages were added to this protocol:

1. PutDataArray.

2. PutDataArraySlice

WitsmlSoap

1. A new experimental protocol, WitsmlSoap, has been added. This protocol allows you to use messages that are semantically identical to previous SOAP protocols when using ETP with WITSML v1.x schemas and stores.