

KMIP v1.3 Plugfest Discussion Topics

Locate with Offset

The proposal for Locate with Offset did not make it clear if LocatedItems should always be returned even if OffsetItems is not present. The server is free to return or not return a value with or without LocatedItems.

Should LocatedItems be returned without OffsetItems?

Plugfest Recommendation

Make the specification text clearer that the server is permitted to return LocatedItems under whichever context it desires and that it can be present in the output even if OffsetItems is not present. There may be performance implications in calculating the result set size so returning it should not be mandatory.

Data in Streaming Operations

A “final” operation may not have additional Data to include in a request when indicating the end of the stream. Data is currently marked as Required=Yes. Should the Data item be optional when the “FinalIndicator” is present or should a zero length Data item be used. Both alternatives were exercised in the plugfest – but only one should be permitted.

Plugfest Recommendation

Make the Data element optional in a Request if FinalIndicator is true for all streaming operations.

Query Validations

Currently if no validations are supported then nothing is returned. There is no enclosing structure. This is consistent with ObjectType and Operations handling but not with ServerInformation which returns an empty structure if there is no server information.

Plugfest Recommendation

Note that the empty list return is expected (so there is no confusion) if a server does not want to return any list of validations. Make this clearer for all items where the information can be entirely not present in the output.

TLS Protocol Version

There is no mechanism to report the TLS protocol versions and the supported cipher suites. The TLS protocol itself does not report what the server supports (the server selects via whatever mechanism it deems appropriate). Perhaps there should be a Query Function which returns this information so a client can select its view of the “best” choice to make. This also extends to the KMIP authentication profiles which are also not returned (although they map to TLS protocol versions currently).

Plugfest Recommendation

Consider adding this in KMIP 1.4 after further TC discussion.