Test description

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| **Test ID** | MIP4SLT1\_1111 |
| **Test Title** | Retrieve Topic Expression dialects from Producer / Provider |
| **Execution Priority** | 1 |
| **Objective** | The objective is for the Consumer to retrieve the list of Topic Expression Dialects supported by the Producer |
| **Scenario** | The Consumer is interested in checking the list of Topic Expression Dialects supported by the Producer to use them for Request/Response and/or Publish/Subscribe exchanges |
| **Environment** | Internet or Co-located. Exchange Pattern: P/S and R/R. |
| **Participation** | 2 |
| **MTRS** | N/A |
| **Pre-test Conditions** | MIP4SLT1\_1211, MIP4SLT1\_1213, MIP4SLT1\_1215  Prior to initiating exchange to request resource properties, each participant in the exchange will complete the *MIP4.0 Joining Questionnaire [REF-MIP-5]* and share this questionnaire with their exchange partners. The exchange of completed questionnaires will:   * Inform exchange partners of the capabilities of a partner system * Allow partners to exchange source identifiers * Aid in the early identification of potential issues   The exchange partners are expected to resolve any identified issues prior to the actual exchange of MIP4.0 messages.   |  |  | | --- | --- | | **ID** | **Rule** | | Exigence-1 | Prior to initiating MIP4.0 Information Exchange, the exchange partners shall complete and share the *MIP4.0 Joining Questionnaire*.[REF-MIP-5] |   Both Consumer and Producer systems conform to either MIP4.0 Publish/Subscribe Exchange Pattern Specification or MIP4.0 Request/Response Exchange Pattern Specification or both. |
| **Test Inputs** | N/A. |
| **Conclusion** | The test is concluded after the Consumer has received a list of Topic Expression Dialects. The list should contain at least the mandatory Dialects defined by EMT and TIDE specification. |
| **Test Outputs** | N/A. |
| **Traceability** | REQ\_EM\_0011. |

Test Procedure

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| Step | Action | Expected Result | Src | Dst |
|  | The consumer sends a request for the list of dialect to the GetResourceProperty service of the producer. Requested property is :  *<rp:GetResourceProperty>*  *b2:TopicExpressionDialect*  *</rp:GetResourceProperty>* ~~ | The Producer receives a valid request for resource properties using *b2:TopicExpressionDialect* ~~ | 1 | 2 |
|  | Producer sends the topic dialects it supports ~~ | Consumer receives the requested list of topic dialects. ~~ | 2 | 1 |
|  | The list of supported dialects should contain at least the following dialects :   * <http://docs.oasis-open.org/wsn/t-1/TopicExpression/Simple> * <http://docs.oasis-open.org/wsn/t-1/TopicExpression/Concrete> * <http://docs.oasis-open.org/wsn/t-1/TopicExpression/Full> ~~ | ~~ | 1 | 2 |

**Configuration**

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| --- | --- | --- |
| Item | Value | Comment |
| EventGeneration | 1 | 0 🡪 Combine steps to one event in the MTMT, generate new MTMT events on every source - destination change. 1 🡪 Every step will be added to the MTMT as a separate event. |