# **RESULT OF NEST INTEGRATION REPORT**

We have 2 applications one for directly parse MT to MX message other one for take user data and convert to MT then MX and XML

**Report summary**

**We checked our pac008 mx message output results got some missing error :**

**Response from given API :**

The Uploaded Pacs008 file differs from the expected output file, differences are : namespace URI

16

/Document[1]

/Document[1]

namespace URI

16

/Document[1]/FIToFICstmrCdtTrf[1]

/Document[1]/FIToFICstmrCdtTrf[1]

number of child nodes

19

/Document[1]/FIToFICstmrCdtTrf[1]

/Document[1]/FIToFICstmrCdtTrf[1]

namespace URI

16

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]

/Document[1]/FIToFICstmrCdtTrf[1]/GrpHdr[1]

element tag name

10

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]

/Document[1]/FIToFICstmrCdtTrf[1]/GrpHdr[1]

number of child nodes

19

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]

/Document[1]/FIToFICstmrCdtTrf[1]/GrpHdr[1]

namespace URI

16

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtId[1]

/Document[1]/FIToFICstmrCdtTrf[1]/GrpHdr[1]/MsgId[1]

element tag name

10

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtId[1]

/Document[1]/FIToFICstmrCdtTrf[1]/GrpHdr[1]/MsgId[1]

node type

17

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtId[1]/InstrId[1]

/Document[1]/FIToFICstmrCdtTrf[1]/GrpHdr[1]/MsgId[1]/text()[1]

presence of child nodes to be

18

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtId[1]/InstrId[1]

/Document[1]/FIToFICstmrCdtTrf[1]/GrpHdr[1]/MsgId[1]/text()[1]

number of child nodes

19

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtId[1]/InstrId[1]

/Document[1]/FIToFICstmrCdtTrf[1]/GrpHdr[1]/MsgId[1]/text()[1]

presence of child node

22

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtId[1]/InstrId[1]/text()[1]

null

namespace URI

16

**Also checked with our xml message output results with given api request got some error:**

**Response from given API :**

The Uploaded Pacs008 file differs from the expected output file, differences are : element tag name

10

/Document[1]

/message[1]

number of child nodes

19

/Document[1]

/message[1]

element tag name

10

/Document[1]/FIToFICstmrCdtTrf[1]

/message[1]/block1[1]

number of child nodes

19

/Document[1]/FIToFICstmrCdtTrf[1]

/message[1]/block1[1]

element tag name

10

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]

/message[1]/block1[1]/applicationId[1]

number of child nodes

19

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]

/message[1]/block1[1]/applicationId[1]

node type

17

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtId[1]

/message[1]/block1[1]/applicationId[1]/text()[1]

presence of child nodes to be

18

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtId[1]

/message[1]/block1[1]/applicationId[1]/text()[1]

number of child nodes

19

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtId[1]

/message[1]/block1[1]/applicationId[1]/text()[1]

presence of child node

22

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtId[1]/InstrId[1]

null

presence of child node

22

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/PmtTpInf[1]

null

presence of child node

22

/Document[1]/FIToFICstmrCdtTrf[1]/CdtTrfTxInf[1]/IntrBkSttlmAmt[1]

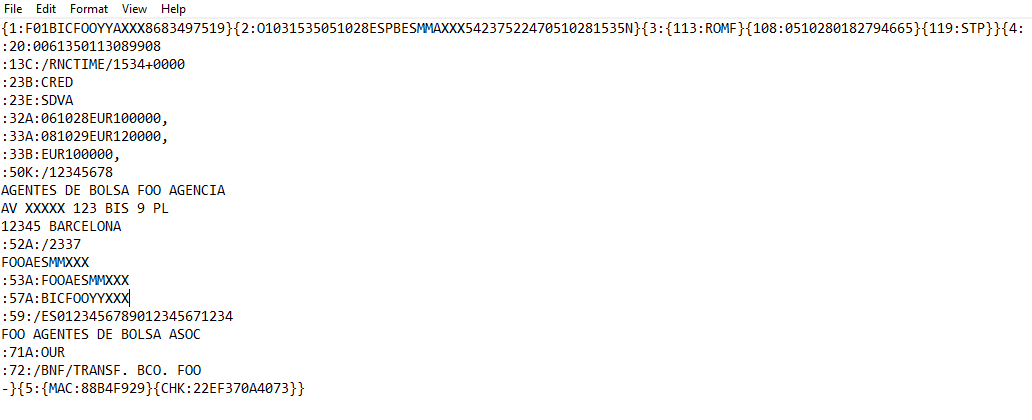
null

presence of child node

22

We use String request and response method

So that we Convert MT103 Message to String for transferring



Request

Uri: http://localhost:8082/mtmicro/mttovalue(get)

{

    "message":"{1:F01BICFOOYYAXXX8683497519}{2:O1031535051028ESPBESMMAXXX54237522470510281535N}{3:{113:ROMF}{108:0510280182794665}{119:STP}}{4:\r\n:20:0061350113089908\r\n:13C:/RNCTIME/1534+0000\r\n:23B:CRED\r\n:23E:SDVA\r\n:32A:061028EUR100000,\r\n:33A:081029EUR120000,\r\n:33B:EUR100000,\r\n:50K:/12345678\r\nAGENTES DE BOLSA FOO AGENCIA\r\nAV XXXXX 123 BIS 9 PL\r\n12345 BARCELONA\r\n:52A:/2337\r\nFOOAESMMXXX\r\n:53A:FOOAESMMXXX\r\n:57A:BICFOOYYXXX\r\n:59:/ES0123456789012345671234\r\nFOO AGENTES DE BOLSA ASOC\r\n:71A:OUR\r\n:72:/BNF/TRANSF. BCO. FOO\r\n-}{5:{MAC:88B4F929}{CHK:22EF370A4073}}"

}

Response

{

    "status": 200,

    "message": "<message>\r\n<block1>\r\n\t<applicationId>F</applicationId>\r\n\t<serviceId>01</serviceId>\r\n\t<logicalTerminal>BICFOOYYAXXX</logicalTerminal>\r\n\t<sessionNumber>8683</sessionNumber>\r\n\t<sequenceNumber>497519</sequenceNumber>\r\n</block1>\r\n<block2 type=\"output\">\r\n\t<messageType>103</messageType>\r\n\t<senderInputTime>1535</senderInputTime>\r\n\t<MIRDate>051028</MIRDate>\r\n\t<MIRLogicalTerminal>ESPBESMMAXXX</MIRLogicalTerminal>\r\n\t<MIRSessionNumber>5423</MIRSessionNumber>\r\n\t<MIRSequenceNumber>752247</MIRSequenceNumber>\r\n\t<receiverOutputDate>051028</receiverOutputDate>\r\n\t<receiverOutputTime>1535</receiverOutputTime>\r\n\t<messagePriority>N</messagePriority>\r\n</block2>\r\n<block3>\r\n\t<tag>\r\n\t\t<name>113</name>\r\n\t\t<value>ROMF</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>108</name>\r\n\t\t<value>0510280182794665</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>119</name>\r\n\t\t<value>STP</value>\r\n\t</tag>\r\n</block3>\r\n<block4>\r\n\t<tag>\r\n\t\t<name>20</name>\r\n\t\t<value>0061350113089908</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>13C</name>\r\n\t\t<value>/RNCTIME/1534+0000</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>23B</name>\r\n\t\t<value>CRED</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>23E</name>\r\n\t\t<value>SDVA</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>32A</name>\r\n\t\t<value>061028EUR100000,</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>33A</name>\r\n\t\t<value>081029EUR120000,</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>33B</name>\r\n\t\t<value>EUR100000,</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>50K</name>\r\n\t\t<value>/12345678\r\nAGENTES DE BOLSA FOO AGENCIA\r\nAV XXXXX 123 BIS 9 PL\r\n12345 BARCELONA</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>52A</name>\r\n\t\t<value>/2337\r\nFOOAESMMXXX</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>53A</name>\r\n\t\t<value>FOOAESMMXXX</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>57A</name>\r\n\t\t<value>BICFOOYYXXX</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>59</name>\r\n\t\t<value>/ES0123456789012345671234\r\nFOO AGENTES DE BOLSA ASOC</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>71A</name>\r\n\t\t<value>OUR</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>72</name>\r\n\t\t<value>/BNF/TRANSF. BCO. FOO</value>\r\n\t</tag>\r\n</block4>\r\n<block5>\r\n\t<tag>\r\n\t\t<name>MAC</name>\r\n\t\t<value>88B4F929</value>\r\n\t</tag>\r\n\t<tag>\r\n\t\t<name>CHK</name>\r\n\t\t<value>22EF370A4073</value>\r\n\t</tag>\r\n</block5>\r\n</message>",

    "mxMessage": "<?xml version=\"1.0\" encoding=\"UTF-8\" ?>\n<Document xmlns=\"urn:iso:std:iso:20022:tech:xsd:pacs.008.001.08\">\r\n    <FIToFICstmrCdtTrf>\r\n        <GrpHdr>\r\n            <MsgId>0061350113089908</MsgId>\r\n            <CreDtTm>2022-08-30T18:00:48.410+05:30</CreDtTm>\r\n            <NbOfTxs>1</NbOfTxs>\r\n            <SttlmInf>\r\n                <SttlmMtd>INDA</SttlmMtd>\r\n                <SttlmAcct>\r\n                    <Id>\r\n                        <Othr>\r\n                            <Id>00010013800002001234</Id>\r\n                        </Othr>\r\n                    </Id>\r\n                </SttlmAcct>\r\n            </SttlmInf>\r\n            <InstgAgt>\r\n                <FinInstnId>\r\n                    <BICFI>FOOAESMMXXX</BICFI>\r\n                </FinInstnId>\r\n            </InstgAgt>\r\n            <InstdAgt>\r\n                <FinInstnId>\r\n                    <BICFI>BICFOOYYXXX</BICFI>\r\n                </FinInstnId>\r\n            </InstdAgt>\r\n        </GrpHdr>\r\n        <CdtTrfTxInf>\r\n            <PmtId>\r\n                <InstrId>0061350113089908</InstrId>\r\n                <EndToEndId>0061350113089908</EndToEndId>\r\n                <TxId>0061350113089908</TxId>\r\n            </PmtId>\r\n            <IntrBkSttlmAmt Ccy=\"EUR\">100</IntrBkSttlmAmt>\r\n            <IntrBkSttlmDt>2022-08-30</IntrBkSttlmDt>\r\n            <ChrgBr>DEBT</ChrgBr>\r\n            <Dbtr>\r\n                <Nm>JOE DOE</Nm>\r\n                <PstlAdr>\r\n                    <AdrLine>BARCELONA</AdrLine>\r\n                </PstlAdr>\r\n            </Dbtr>\r\n            <DbtrAcct>\r\n                <Id>\r\n                    <Othr>\r\n                        <Id>12345678</Id>\r\n                    </Othr>\r\n                </Id>\r\n            </DbtrAcct>\r\n            <DbtrAgt>\r\n                <FinInstnId>\r\n                    <BICFI>FOOAESMMXXX</BICFI>\r\n                </FinInstnId>\r\n            </DbtrAgt>\r\n            <CdtrAgt>\r\n                <FinInstnId>\r\n                    <BICFI>BICFOOYYXXX</BICFI>\r\n                </FinInstnId>\r\n            </CdtrAgt>\r\n            <Cdtr>\r\n                <Nm>TEST CORP</Nm>\r\n                <PstlAdr>\r\n                    <AdrLine>LAS ASOC</AdrLine>\r\n                </PstlAdr>\r\n            </Cdtr>\r\n            <CdtrAcct>\r\n                <Id>\r\n                    <Othr>\r\n                        <Id>ES0123456789012345671234</Id>\r\n                    </Othr>\r\n                </Id>\r\n            </CdtrAcct>\r\n        </CdtTrfTxInf>\r\n    </FIToFICstmrCdtTrf>\r\n</Document>\n" }

**CONVERTED MX MESSAGE OUTPUT IS :**

<?xml version="1.0" encoding="UTF-8" ?>

<Document xmlns="urn:iso:std:iso:20022:tech:xsd:pacs.008.001.08">

<FIToFICstmrCdtTrf>

<GrpHdr>

<MsgId>0061350113089908</MsgId>

<CreDtTm>2022-08-30T18:00:48.410+05:30</CreDtTm>

<NbOfTxs>1</NbOfTxs>

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<SttlmAcct>

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</PmtId>

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<ChrgBr>DEBT</ChrgBr>

<Dbtr>

<Nm>JOE DOE</Nm>

<PstlAdr>

<AdrLine>BARCELONA</AdrLine>

</PstlAdr>

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<AdrLine>LAS ASOC</AdrLine>

</PstlAdr>

</Cdtr>

<CdtrAcct>

<Id>

<Othr>

<Id>ES0123456789012345671234</Id>

</Othr>

</Id>

</CdtrAcct>

</CdtTrfTxInf>

</FIToFICstmrCdtTrf>

</Document>

CONVERTED MESSAGE XML IS

<message>

<block1>

<applicationId>F</applicationId>

<serviceId>01</serviceId>

<logicalTerminal>BICFOOYYAXXX</logicalTerminal>

<sessionNumber>8683</sessionNumber>

<sequenceNumber>497519</sequenceNumber>

</block1>

<block2 type="output">

<messageType>103</messageType>

<senderInputTime>1535</senderInputTime>

<MIRDate>051028</MIRDate>

<MIRLogicalTerminal>ESPBESMMAXXX</MIRLogicalTerminal>

<MIRSessionNumber>5423</MIRSessionNumber>

<MIRSequenceNumber>752247</MIRSequenceNumber>

<receiverOutputDate>051028</receiverOutputDate>

<receiverOutputTime>1535</receiverOutputTime>

<messagePriority>N</messagePriority>

</block2>

<block3>

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AGENTES DE BOLSA FOO AGENCIA

AV XXXXX 123 BIS 9 PL

12345 BARCELONA</value>

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</block5>

</message>