

Service Integration

Low Level Design

For DSSP

Details the ESB design for integrating DSSP Service

Version : V0.1

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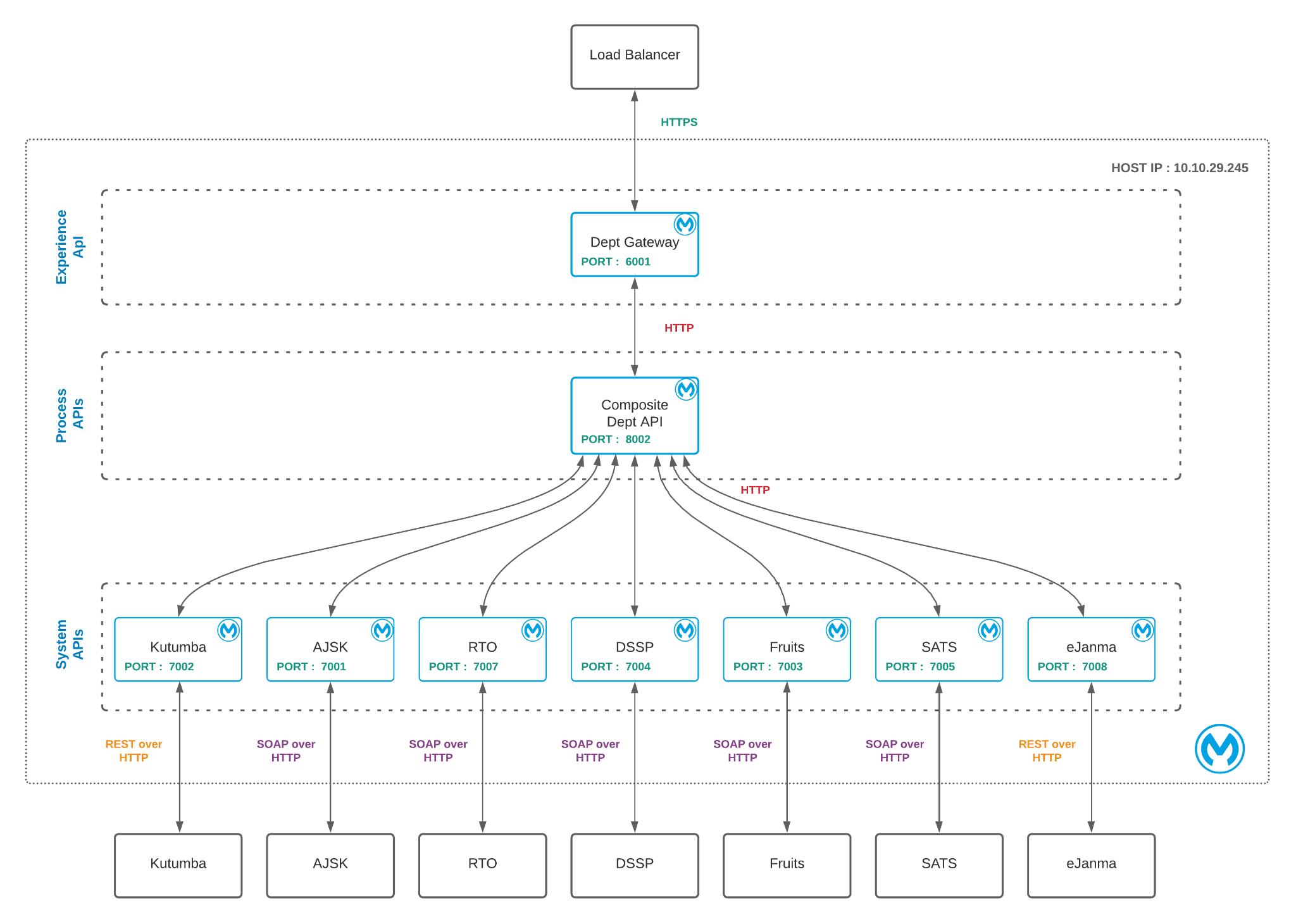
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# Introduction

This integration is to talk to connect to DSSP service and get the dssp details. The below mentioned diagram shows the context in which the API is implemented and how the conection is established to the participating services in the integration.

## API Implementation Diagram



# Participating API Endpoints

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Name** | **URI/URL** | | |
| 1 | XAPI | http://10.10.29.245:6001/api/department/data/single | | |
| 2 | PAPI | http://10.10.29.245:8002/esb/fdb/department/single | | |
| 3 | SAPI | http://10.10.29.245:7004/esb/dssp/GetMyPensionDetails | | |
| 4 | Destination | https://fruits.karnataka.gov.in/fruitsTestservice/fruitsdata.asmx | | |

* XAPI Invokes >> PAPI
* PAPI Invokes >> SAPI
* SAPI Invokes >> Destination Service
* Response from Destination Service is passed to the respective callers

# Input Output

### XAPI (Experience API)

|  |  |  |
| --- | --- | --- |
| Request | | |
| {  "deptId":6,  "input":{  "BM\_Beneficiary\_Id\_Govt":"990018060420171159"  },  "method":"GetMyPensionDetails",  "creds":{  "client-id":"1234567",  "client-secret":"76654321"  }  } | | |
| Response | | |
| {  "NewDataSet": {  "Table": {  "BM\_Beneficiary\_Id\_Govt": "990018060420171159",  "PensionerNameEngish": "ANKITHA B KESTHUR ",  "PensionerNameKannada": "ಅಂಕಿತ ಬಿ ಕೆಸ್ತೂರು ",  "FatherHusbandNameEnglish": "BHIMESH K KESTHUR",  "FatherHusbandNameKannada": "ಭೀಮೇಶ್ ಕೆ ಕೆಸ್ತೂರು",  "BM\_Gender": "F",  "age": "2099-12-31T00:00:00+05:30",  "scheme\_x0020\_Name": "Physically Handicapped Pension",  "bm\_treasury\_code": "0800",  "category": "General",  "SanctionOrderDate": "2017-12-11T17:29:00+05:30",  "PaymentStartDate": "2018-01-01T00:00:00+05:30",  "DistrictName": "Tumakuru",  "pensionAmount": "1400",  "CurrentStatus": "R",  "TreasuryName": "Kasaba",  "TahsildarApprovedDate": "2018-03-07T17:09:06.47+05:30",  "Aadhaar\_number": "XXXXXXXX1655"  }  }  } | | |
| Error | | |
| **Sample 1**   * As is Error Propagation from down stream service (This means whatever the destination service throws)   **Sampe 2**  {  "httpCode": "403",  "errorType": {  "parentErrorType": {  "parentErrorType": **null**,  "identifier": "ANY",  "namespace": "MULE"  },  "identifier": "INCORRECT\_CREDS",  "namespace": "DSSP-CONSUMER-SYS"  },  "error": "DSSP API Authentication Failure : Client Id and Client Secret does not match !",  "correlation": "7889e840-e3bd-11eb-b574-02429ea494eb"  } | | |

### PAPI (Process API)

|  |  |  |
| --- | --- | --- |
| Request | | |
| {  "deptId":6,  "input":{  "BM\_Beneficiary\_Id\_Govt":"990018060420171159"  },  "method":"GetMyPensionDetails",  "creds":{  "client-id":"1234567",  "client-secret":"76654321"  }  } | | |
| Response | | |
| {  "NewDataSet": {  "Table": {  "BM\_Beneficiary\_Id\_Govt": "990018060420171159",  "PensionerNameEngish": "ANKITHA B KESTHUR ",  "PensionerNameKannada": "ಅಂಕಿತ ಬಿ ಕೆಸ್ತೂರು ",  "FatherHusbandNameEnglish": "BHIMESH K KESTHUR",  "FatherHusbandNameKannada": "ಭೀಮೇಶ್ ಕೆ ಕೆಸ್ತೂರು",  "BM\_Gender": "F",  "age": "2099-12-31T00:00:00+05:30",  "scheme\_x0020\_Name": "Physically Handicapped Pension",  "bm\_treasury\_code": "0800",  "category": "General",  "SanctionOrderDate": "2017-12-11T17:29:00+05:30",  "PaymentStartDate": "2018-01-01T00:00:00+05:30",  "DistrictName": "Tumakuru",  "pensionAmount": "1400",  "CurrentStatus": "R",  "TreasuryName": "Kasaba",  "TahsildarApprovedDate": "2018-03-07T17:09:06.47+05:30",  "Aadhaar\_number": "XXXXXXXX1655"  }  }  } | | |
| Error | | |
| **Sample 1**   * As is Error Propagation from down stream service (This means whatever the destination service throws)   **Sampe 2**  {  "httpCode": "403",  "errorType": {  "parentErrorType": {  "parentErrorType": **null**,  "identifier": "ANY",  "namespace": "MULE"  },  "identifier": "INCORRECT\_CREDS",  "namespace": "DSSP-CONSUMER-SYS"  },  "error": "DSSP API Authentication Failure : Client Id and Client Secret does not match !",  "correlation": "7889e840-e3bd-11eb-b574-02429ea494eb"  } | | |

### SAPI (System API)

|  |  |  |
| --- | --- | --- |
| Request | | |
| {  "uid":"dsspuser",  "passwd":"410D33631537EAC9C2A9A6CD2C721A7F",  "flag":"B",  "BM\_Beneficiary\_Id\_Govt":"990018060420171159"  } | | |
| Response | | |
| <?xml version="1.0" encoding="utf-8"?>  <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">  <soap:Body>  <GetMyPensionDetailsResponse xmlns="http://tempuri.org/">  <GetMyPensionDetailsResult>  <xs:schema id="NewDataSet" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata">  <xs:element name="NewDataSet" msdata:IsDataSet="true" msdata:UseCurrentLocale="true">  <xs:complexType>  <xs:choice minOccurs="0" maxOccurs="unbounded">  <xs:element name="Table">  <xs:complexType>  <xs:sequence>  <xs:element name="BM\_Beneficiary\_Id\_Govt" type="xs:string" minOccurs="0" />  <xs:element name="PensionerNameEngish" type="xs:string" minOccurs="0" />  <xs:element name="PensionerNameKannada" type="xs:string" minOccurs="0" />  <xs:element name="FatherHusbandNameEnglish" type="xs:string" minOccurs="0" />  <xs:element name="FatherHusbandNameKannada" type="xs:string" minOccurs="0" />  <xs:element name="BM\_Gender" type="xs:string" minOccurs="0" />  <xs:element name="age" type="xs:dateTime" minOccurs="0" />  <xs:element name="scheme\_x0020\_Name" type="xs:string" minOccurs="0" />  <xs:element name="bm\_treasury\_code" type="xs:string" minOccurs="0" />  <xs:element name="category" type="xs:string" minOccurs="0" />  <xs:element name="SanctionOrderDate" type="xs:dateTime" minOccurs="0" />  <xs:element name="PaymentStartDate" type="xs:dateTime" minOccurs="0" />  <xs:element name="DistrictName" type="xs:string" minOccurs="0" />  <xs:element name="pensionAmount" type="xs:int" minOccurs="0" />  <xs:element name="CurrentStatus" type="xs:string" minOccurs="0" />  <xs:element name="TreasuryName" type="xs:string" minOccurs="0" />  <xs:element name="TahsildarApprovedDate" type="xs:dateTime" minOccurs="0" />  <xs:element name="Aadhaar\_number" type="xs:string" minOccurs="0" />  </xs:sequence>  </xs:complexType>  </xs:element>  </xs:choice>  </xs:complexType>  </xs:element>  </xs:schema>  <diffgr:diffgram xmlns:msdata="urn:schemas-microsoft-com:xml-msdata" xmlns:diffgr="urn:schemas-microsoft-com:xml-diffgram-v1">  <NewDataSet xmlns="">  <Table diffgr:id="Table1" msdata:rowOrder="0">  <BM\_Beneficiary\_Id\_Govt>990018060420171159</BM\_Beneficiary\_Id\_Govt>  <PensionerNameEngish>ANKITHA B KESTHUR </PensionerNameEngish>  <PensionerNameKannada>ಅಂಕಿತ ಬಿ ಕೆಸ್ತೂರು </PensionerNameKannada>  <FatherHusbandNameEnglish>BHIMESH K KESTHUR</FatherHusbandNameEnglish>  <FatherHusbandNameKannada>ಭೀಮೇಶ್ ಕೆ ಕೆಸ್ತೂರು</FatherHusbandNameKannada>  <BM\_Gender>F</BM\_Gender>  <age>2099-12-31T00:00:00+05:30</age>  <scheme\_x0020\_Name>Physically Handicapped Pension</scheme\_x0020\_Name>  <bm\_treasury\_code>0800</bm\_treasury\_code>  <category>General</category>  <SanctionOrderDate>2017-12-11T17:29:00+05:30</SanctionOrderDate>  <PaymentStartDate>2018-01-01T00:00:00+05:30</PaymentStartDate>  <DistrictName>Tumakuru</DistrictName>  <pensionAmount>1400</pensionAmount>  <CurrentStatus>R</CurrentStatus>  <TreasuryName>Kasaba</TreasuryName>  <TahsildarApprovedDate>2018-03-07T17:09:06.47+05:30</TahsildarApprovedDate>  <Aadhaar\_number>XXXXXXXX1655</Aadhaar\_number>  </Table>  </NewDataSet>  </diffgr:diffgram>  </GetMyPensionDetailsResult>  </GetMyPensionDetailsResponse>  </soap:Body>  </soap:Envelope> | | |
| Error | | |
|  | | |