

Supplemento al corso

SAP PI

Implementazione degli scenari

Double Stack

Versione 1.1

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Scenario FILE_to_FILE_XML

SC_BIT400_A 1.0 of nick4name

Namespace urn:nick4name.eu:BIT400:A:File

Data Type

DT_Material

Display Data Type

Name DT_Material

Namespace urn:nick4name.eu:BIT400:A:File

Software Component Version SC_BIT400_A 1.0 of nick4name

Description

Classification Free-Style Data Type

Qualify Schema None

Type Definition

XSD

| Name | Category | Type | Occurrence | D |
|----------------|--------------|------------------------|--------------|---|
| DT_Material | Complex Type | | | |
| MaterialID | Element | xsd:string | 1 | |
| IndustrySector | Element | xsd:string | 1 | |
| BaseUnit | Element | xsd:string | 1 | |
| MaterialGroup | Element | xsd:string | 1 | |
| MaterialType | Element | xsd:string | 1 | |
| Description | Element | DT_MaterialDescription | 1..unbounded | |
| Language | Element | xsd:string | 1 | |
| Description | Element | xsd:string | 1 | |

Display Data Type

Name: DT_MaterialDescription
 Namespace: urn:nick4name.eu:BIT400:A:File
 Software Component Version: SC_BIT400_A 1.0 of nick4name
 Description:

Classification: Free-Style Data Type Qualify Schema: Elements

Type Definition XSD

Search: [] Go

| Name | Category | Type | Occurrence | D |
|------------------------|--------------|------------|------------|---|
| DT_MaterialDescription | Complex Type | | | |
| Language | Element | xsd:string | 1 | |
| Description | Element | xsd:string | 1 | |

Message Type

MT_Material

Display Message Type Status: Active Displayed Language: English (OL)

Name: MT_Material
 Namespace: urn:nick4name.eu:BIT400:A:File
 Software Component Version: SC_BIT400_A 1.0 of nick4name
 Description:

Name: Namespace: Data Type Used: DT_Material urn:nick4name.eu:BIT400:A:File

XML Namespace: urn:nick4name.eu:BIT400:A:File

Structure XSD

Search: [] Go Settings...

| Name | Category | Type | Occurrence | Default | Deletable | Details | Business Context | Description |
|----------------|----------|-----------------------------------|------------|---------|--------------------------|---------|------------------|-------------|
| MT_Material | Element | DT_Material | | | | | | |
| MaterialID | Element | xsd:string | 1 | | <input type="checkbox"/> | | | |
| IndustrySector | Element | xsd:string | 1 | | <input type="checkbox"/> | | | |
| BaseUnit | Element | xsd:string | 1 | | <input type="checkbox"/> | | | |
| MaterialGroup | Element | xsd:string | 1 | | <input type="checkbox"/> | | | |
| MaterialType | Element | xsd:string | 1 | | <input type="checkbox"/> | | | |
| Description | Element | DT_MaterialDescription1_unbounded | | | <input type="checkbox"/> | | | |



Service Interface Outbound

SI_Material_XML_DS_out

Display Service Interface Status: Active Displayed Language: English (C)

Name: SI_Material_XML_DS_out
 Namespace: urn:nick4name.eu:BIT400:A:File
 Software Component Version: SC_BIT400_A 1.0 of nick4name
 Description:

Definition | WSDL | Matching Service Interfaces | Classifications

Attributes

Category: Outbound
 Interface Pattern: Stateless
 Security Profile: Low
 Event interface Sensitive Data

Operations

Operation SI_Material_XML_DS_out

Operation: SI_Material_XML_DS_out

Description:
 Release State: Not Released

Attributes

Operation Pattern: Normal Operation
 Mode: Asynchronous

Messages

| Role | Type | Name | Namespace |
|-----------|--------------|-------------|--------------------------------|
| Request * | Message Type | MT_Material | urn:nick4name.eu:BIT400:A:File |

<https://www.nick4name.eu>



SC_BIT400_B 1.0 of nick4name

Namespace urn:nick4name.eu:BIT400:B:File

Data Type

DT_Article

Display Data Type Status Active

Name: DT_Article
 Namespace: urn:nick4name.eu:BIT400:B:File
 Software Component Version: SC_BIT400_B 1.0 of nick4name
 Description:

Classification: Free-Style Data Type Qualify Schema: None

Type Definition XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details |
|----------------|--------------|-----------------------|--------------|---------|--------------------------|----------------|
| DT_Article | Complex Type | | | | | |
| MaterialID | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="18" |
| BaseUnit | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="2" |
| IndustrySector | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" |
| MaterialType | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" |
| MaterialGroup | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" |
| Description | Element | DT_ArticleDescription | 1..unbounded | | <input type="checkbox"/> | |
| Language | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="2" |
| Description | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="15" |

Display Data Type Status Active

Name: DT_ArticleDescription
 Namespace: urn:nick4name.eu:BIT400:B:File
 Software Component Version: SC_BIT400_B 1.0 of nick4name
 Description:

Classification: Free-Style Data Type Qualify Schema: Elements

Type Definition XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details |
|-----------------------|--------------|------------|------------|---------|--------------------------|----------------|
| DT_ArticleDescription | Complex Type | | | | | |
| Language | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="2" |
| Description | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="15" |



Message Type

MT_Article

Display Message Type Status: Active

Name: MT_Article
 Namespace: urn:nick4name.eu:BIT400:B:File
 Software Component Version: SC_BIT400_B 1.0 of nick4name
 Description:

Data Type Used: DT_Article (Namespace: urn:nick4name.eu:BIT400:B:File)
 XML Namespace: urn:nick4name.eu:BIT400:B:File

Structure XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details |
|----------------|----------|-----------------------|--------------|---------|--------------------------|----------------|
| MT_Article | Element | DT_Article | | | | |
| MaterialID | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="18" |
| BaseUnit | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="2" |
| IndustrySector | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" |
| MaterialType | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" |
| MaterialGroup | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" |
| Description | Element | DT_ArticleDescription | 1..unbounded | | <input type="checkbox"/> | |
| Language | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="2" |
| Description | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="15" |

Service Interface Inbound

SI_Article_XML_DS_inb

Display Service Interface Status: Active Displayed Language:

Name: SI_Article_XML_DS_inb
 Namespace: urn:nick4name.eu:BIT400:B:File
 Software Component Version: SC_BIT400_B 1.0 of nick4name
 Description:

Definition WSDL Matching Service Interfaces Classifications

Attributes
 Category: Inbound
 Interface Pattern: Stateless
 Security Profile: Low
 Event interface Sensitive Data

Operations

Operation SI_Article_XML_DS_inb
 Description:
 Release State: Not Released

Attributes
 Operation Pattern: Normal Operation
 Mode: Asynchronous

Messages

| Role | Type | Name | Namespace |
|-----------|--------------------|------------|--------------------------------|
| Request * | Message Type | MT_Article | urn:nick4name.eu:BIT400:B:File |
| Fault | Fault Message Type | | |



SC_BIT400_MAPPING 1.0 of nick4name

Enterprise Services Builder

Namespace *urn:nick4name.eu:BIT400:File*

Message Mapping

MM_Material_to_Article

| | |
|----------------|-------------|
| Source Message | MT_Material |
| Target Message | MT_Article |

The screenshot displays the SAP PI Message Mapping tool interface. At the top, the message mapping is identified as 'MM_Material_to_Article' with a status of 'In Process'. Below this, the 'Definition' tab shows the structure of the source message type 'MT_Material' and the target message type 'MT_Article'. The source structure includes fields like MaterialID, IndustrySector, BaseUnit, MaterialGroup, MaterialType, and Description. The target structure includes a temporary field 'TMP' and corresponding fields for the article. A visual mapping diagram shows the flow of data from the source fields through various functions (concat, multiply, setDynConf) to the target fields. A 'Functions' editor window is open, showing the code for the 'setDynConfFilename' function, which uses the SAP API to dynamically determine the filename based on configuration.

Operation Mapping

OM_Material_to_Article

| | |
|------------------|------------------------|
| Source Operation | SI_Material_XML_DS_out |
| Target Operation | SI_Article_XML_DS_inb |



Display Operation Mapping Status: Active Displayed Language

Name: OM_Material_to_Article
 Namespace: urn:nick4name.eu:BIT400:File
 Software Component Version: SC_BIT400_MAPPING 1.0 of nick4name
 Description:

Source Operation *

| Name | Namespace | Software Component Ver. | Occurrence |
|------------------------|--|-------------------------|------------|
| SI_Material_XML_DS_out | urn:nick4name.eu:BIT400:SC_BIT400_A 1.0 of nick4r1 | | |

Target Operation *

| Name | Namespace | Software Component Ver. | Occurrence |
|-----------------------|--|-------------------------|------------|
| SI_Article_XML_DS_inb | urn:nick4name.eu:BIT400:SC_BIT400_B 1.0 of nick4r1 | | |

Read Operations Parameters Use SAP XML Toolkit Do Not Resolve XOP Includes Read Attachments

Source Message MT_Material

Mapping Program *

| Type | Name | Namespace | Binding |
|-----------------|------------------------|------------------------------|---------|
| Message Mapping | MM_Material_to_Article | urn:nick4name.eu:BIT400:File | |

Target Message MT_Article

Integration Builder

Configuration Scenario CS_N4N_DS_FILE_to_FILE_XML

Display Configuration Scenario Status: Active Displayed Language

Configuration Scenario: CS_N4N_DS_FILE_to_FILE_XML
 Description:

ES Repository Model Objects Configuration Overview

| Type | Object | Description |
|-------------------------|--|-------------|
| Business System | BS_N4N_RECEIVER | |
| Business System | BS_N4N_SENDER | |
| Communication Channel | BS_N4N_RECEIVER CC_File_XML_00_RCV | |
| Communication Channel | BS_N4N_SENDER CC_File_XML_00_SND | |
| Receiver Determination | BS_N4N_SENDER SI_Material_XML_DS_out | |
| Interface Determination | BS_N4N_SENDER SI_Material_XML_DS_out BS_N4N_RECEIVER | |
| Sender Agreement | BS_N4N_SENDER SI_Material_XML_DS_out | |
| Receiver Agreement | BS_N4N_SENDER BS_N4N_RECEIVER SI_Material_XML_DS_inb | |

Communication Channel Sender

Display Communication Channel Status: Active

Communication Channel: CC_File_XML_00_SND
 Party:
 Communication Component: BS_N4N_SENDER
 Description:

Parameters Identifiers Module

Adapter Type * File http://sap.com/xi/XI/System SAP BASIS 7.31

Sender Receiver

Transport Protocol * File System (NFS)
 Message Protocol * File
 Adapter Engine * Central Adapter Engine


Source Processing Advanced

File Access Parameters

Source Directory * \N4N-NW73\FS_CORSO_P\Outbound
 File Name * FileMaterialXML_00.xml

Advanced Selection for Source File
 Additional File(s)



| | | |
|-------------------|----------------------------------|---|
| Comm. Channel: | CC_File_XML_00_SND |  FileMaterialXML_00.xml |
| Comm. Component: | BS_N4N_SENDER | |
| Source Directory: | \\N4N-NW73\F_S_CORSO_PI\Outbound | |
| File Name: | FileMaterialXML_00.xml | |

| |
|--|
| Source Processing Advanced |
| <p>Processing Parameters</p> <p>Quality of Service * Exactly Once</p> <p>Poll Interval (secs) * 60</p> <p>Poll Interval (msecs) </p> <p>Retry Interval (secs) </p> <p>Processing Mode * Archive</p> <p><input checked="" type="checkbox"/> Add Time Stamp</p> <p>Archive Directory \\N4N-NW73\F_S_CORSO_PI\Outbound\Archive\</p> <p>Empty-File Handling Do Not Create Message</p> <p><input type="checkbox"/> Archive Faulty Source Files</p> <p><input type="checkbox"/> Process Read-Only Files</p> <p>Processing Sequence By Name</p> <p>File Type * Binary</p> <p>Run Operating System Command Before Message Processing</p> <p>Command Line </p> <p>Timeout (secs) </p> <p><input type="checkbox"/> Terminate Program After Timeout</p> <p>Run Operating System Command After Message Processing</p> <p>Command Line </p> <p>Timeout (secs) </p> <p><input type="checkbox"/> Terminate Program After Timeout</p> <p>Duplicate Handling</p> <p><input type="checkbox"/> Enable Duplicate Handling</p> |

Archive Directory: \\N4N-NW73\F_S_CORSO_PI\Outbound\Archive\

| |
|--|
| Source Processing Advanced |
| <p>Adapter-Specific Message Attributes</p> <p><input checked="" type="checkbox"/> Set Adapter-Specific Message Attributes</p> <p><input checked="" type="checkbox"/> File Name</p> <p><input type="checkbox"/> Directory</p> <p><input type="checkbox"/> File Type</p> <p><input type="checkbox"/> Source File Size</p> <p><input type="checkbox"/> Source File Time Stamp</p> <p>Adapter Status</p> <p>Status Active</p> <p><input type="checkbox"/> Advanced Mode</p> |



Sender Agreement

Display Sender Agreement

Sender

Communication Party:

Communication Component: BS_N4N_SENDER

Interface: SI_Material_XML_DS_out

Namespace: urn:nick4name.eu:BIT400:A:File

Receiver

Communication Party:

Communication Component:

Description:

Parameters | Assigned Users

Sender Communication Channel * CC_File_XML_00_SND

Software Component Version of Sender Interface BC_BIT400_A 1.0 of nick4name

Virus Scan Use Global Configuration

Schema Validation No Validation Validation by Adapter Validation by Integration Engine

Receiver Determination

Sender Interface: SI_Material_XML_DS_out

Display Receiver Determination Status: Active Disp

Sender

Communication Party:

Communication Component: BS_N4N_SENDER

Interface: SI_Material_XML_DS_out

Namespace: urn:nick4name.eu:BIT400:A:File

Receiver

Communication Party: *

Communication Component: *

Description:

Contents | Configuration Overview

Software Component Version: BC_BIT400_A 1.0 of nick4name

Type of Receiver Determination: Standard Extended

Operation-Specific Not Operation-Specific

Configured Receivers

| Rule | Condition | Communication Party | Communication Component * |
|------------|-----------|---------------------|---------------------------|
| Local Rule | | | BS_N4N_RECEIVER |

Contents | Configuration Overview

Configuration Overview for Receiver Determination

Receiver: BS_N4N_RECEIVER

- SI_Material_XML_DS_inb

Objects of Selected Connection


| Type | Object | Description |
|--------------------------------|--|-------------|
| Sender Agreement | BS_N4N_SENDER SI_Material_XML_DS_out | |
| Sender Communication Channel | BS_N4N_SENDER CC_File_XML_00_SND | |
| Receiver Determination | BS_N4N_SENDER SI_Material_XML_DS_out | |
| Interface Determination | BS_N4N_SENDER SI_Material_XML_DS_out BS_N4N_RECEIVER | |
| Receiver Agreement | BS_N4N_SENDER BS_N4N_RECEIVER SI_Material_XML_DS_inb | |
| Receiver Communication Channel | BS_N4N_RECEIVER CC_File_XML_00_RCV | |



Interface Determination

| Operation Mapping | OM_Material_to_Article | | | | | | | | | | | | |
|---|---|-----------------------|--------------------------------|--------------|--------------------------|--------------|------------|--|------------------------|-----------------------|--------------------------------|---|--------------------------|
| Display Interface Determination Status: Active Displayed Language: English | | | | | | | | | | | | | |
| Sender Communication Party: _____ Communication Component: BS_N4N_SENDER Interface: SI_Material_XML_DS_out Namespace: urn:nick4name.eu:BIT400:A:File | | | | | | | | | | | | | |
| Receiver Communication Party: _____ Communication Component: BS_N4N_RECEIVER Description: _____ | | | | | | | | | | | | | |
| Software Component Version of Sender Interface: SC_BIT400_A 1.0 of nick4name <input type="checkbox"/> Maintain Order at Runtime | | | | | | | | | | | | | |
| Operation: SI_Material_XML_DS_out | Receiver Interfaces * <table border="1"> <thead> <tr> <th>Condition</th> <th>Operation Mapping</th> <th>Name *</th> <th>Namespace *</th> <th>Multiplicity</th> <th>Parameters</th> </tr> </thead> <tbody> <tr> <td></td> <td>OM_Material_to_Article</td> <td>SI_Article_XML_DS_inb</td> <td>urn.nick4name.eu:BIT400:B:File</td> <td>1</td> <td><input type="checkbox"/></td> </tr> </tbody> </table> | Condition | Operation Mapping | Name * | Namespace * | Multiplicity | Parameters | | OM_Material_to_Article | SI_Article_XML_DS_inb | urn.nick4name.eu:BIT400:B:File | 1 | <input type="checkbox"/> |
| Condition | Operation Mapping | Name * | Namespace * | Multiplicity | Parameters | | | | | | | | |
| | OM_Material_to_Article | SI_Article_XML_DS_inb | urn.nick4name.eu:BIT400:B:File | 1 | <input type="checkbox"/> | | | | | | | | |


Communication Channel Receiver

| | |
|--|---|
| Display Communication Channel Status: Active | |
| Communication Channel: CC_File_XML_00_RCV Party: _____ Communication Component: BS_N4N_RECEIVER Description: _____ | |
| Parameters Identifiers Module | |
| Adapter Type: File http://sap.com/xi/XI/System SAP BASIS 7.31 <input type="radio"/> Sender <input checked="" type="radio"/> Receiver Transport Protocol: File System (NFS) Message Protocol: File Adapter Engine: Central Adapter Engine | |
| Target Processing Advanced | |
| File Access Parameters Target Directory: \\N4N-NW73\F5_CORSO_PI\Inbound <input type="checkbox"/> Create Target Directory File Name Scheme: FileArticle_00.xml | |
| Comm. Chan.: CC_File_XML_00_RCV Target Dir.: \\N4N-NW73\F5_CORSO_PI\Inbound File Name Sch.: FileArticle_00_.xml |  FileArticle_00.xml |



| Target | Processing | Advanced |
|--|------------------|----------|
| Processing Parameters | | |
| File Construction Mode * | Add Time Stamp | |
| Write Mode | Directly | |
| Empty-Message Handling | Write Empty File | |
| Maximum Concurrency | 1 | |
| File Type * | Binary | |
| Run Operating System Command Before Message Processing | | |
| Command Line | | |
| Timeout (secs) | | |
| <input type="checkbox"/> Terminate Program After Timeout | | |
| Run Operating System Command After Message Processing | | |
| Command Line | | |
| Timeout (secs) | | |
| <input type="checkbox"/> Terminate Program After Timeout | | |
| Variable Substitution (Target Directory/File Name Scheme) | | |
| <input type="checkbox"/> Enable | | |
| Adapter-Specific Message Attributes | | |
| <input type="checkbox"/> Use Adapter-Specific Message Attributes | | |
| Adapter Status | | |
| Status | Active | |
| <input type="checkbox"/> Advanced Mode | | |

Receiver Agreement

 Display Receiver Agreement**Sender**

Communication Party

Communication Component BS_N4N_SENDER

Receiver

Communication Party

Communication Component BS_N4N_RECEIVER

Interface SI_Material_XML_DS_inb

Namespace urn:nick4name.eu:BIT400:B:File

Description

Receiver Communication Channel * CC_File_XML_00_RCV

Software Component Version of Receiver Interface

Virus Scan

Schema Validation

Use Global Configuration

Validation by Integration Engine

Header Mapping Sender Communication Party Sender Communication Component Receiver Communication Party Receiver Communication Component

Scenario FILE_to_FILE_CC: Content Conversion

SC_BIT400_A 1.0 of nick4name

Namespace urn:nick4name.eu:BIT400:A:File_CC

Data Type

DT_Material_CC

Display Data Type Status **Active**

Name: DT_Material_CC

Namespace: urn:nick4name.eu:BIT400:A:File_CC

Software Component Version: SC_BIT400_A 1.0 of nick4name

Description:

Classification: Free-Style Data Type Qualify Schema: None

Type Definition: XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details | Busi |
|----------------|--------------|----------------|------------|---------|--------------------------|---------|------|
| DT_Material_CC | Complex Type | | | | | | |
| documentName | Element | | 1 | | <input type="checkbox"/> | | |
| recordset | Element | DT_Material_ND | 1 | | <input type="checkbox"/> | | |
| MaterialID | Element | xsd:string | 1 | | <input type="checkbox"/> | | |
| IndustrySector | Element | xsd:string | 1 | | <input type="checkbox"/> | | |
| BaseUnit | Element | xsd:string | 1 | | <input type="checkbox"/> | | |
| MaterialGroup | Element | xsd:string | 1 | | <input type="checkbox"/> | | |
| MaterialType | Element | xsd:string | 1 | | <input type="checkbox"/> | | |

Display Data Type Status **Active**

Name: DT_Material_ND

Namespace: urn:nick4name.eu:BIT400:A:File_CC

Software Component Version: SC_BIT400_A 1.0 of nick4name

Description:

Classification: Free-Style Data Type Qualify Schema: None

Type Definition: XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details |
|----------------|--------------|------------|------------|---------|--------------------------|---------|
| DT_Material_ND | Complex Type | | | | | |
| MaterialID | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| IndustrySector | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| BaseUnit | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| MaterialGroup | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| MaterialType | Element | xsd:string | 1 | | <input type="checkbox"/> | |



Message Type

MT_Material_CC

Display Message Type Status Active

Name: MT_Material_CC
 Namespace: urn:nick4name.eu:BIT400:A:File_CC
 Software Component Version: SC_BIT400_A 1.0 of nick4name
 Description:

Data Type Used: DT_Material_CC Namespace *: urn:nick4name.eu:BIT400:A:File_CC

XML Namespace: urn:nick4name.eu:BIT400:A:File_CC

Structure XSD

| Name | Category | Type | Occurrence | Default | Deletable |
|----------------|----------|----------------|------------|---------|--------------------------|
| MT_Material_CC | Element | DT_Material_CC | | | |
| documentName | Element | | 1 | | <input type="checkbox"/> |
| recordset | Element | DT_Material_ND | 1 | | <input type="checkbox"/> |
| MaterialID | Element | xsd:string | 1 | | <input type="checkbox"/> |
| IndustrySector | Element | xsd:string | 1 | | <input type="checkbox"/> |
| BaseUnit | Element | xsd:string | 1 | | <input type="checkbox"/> |
| MaterialGroup | Element | xsd:string | 1 | | <input type="checkbox"/> |
| MaterialType | Element | xsd:string | 1 | | <input type="checkbox"/> |

Service Interface Outbound

SI_Material_CC_DS_out

Display Service Interface Status Active Displayed Language

Name: SI_Material_CC_DS_out
 Namespace: urn:nick4name.eu:BIT400:A:File_CC
 Software Component Version: SC_BIT400_A 1.0 of nick4name
 Description:

Definition WSDL Matching Service Interfaces Classifications

Attributes

Category: Outbound
 Interface Pattern: Stateless
 Security Profile: Low
 Event Interface Sensitive Data

Operations

Operation SI_Material_CC_DS_out

Description:
 Release State: Not Released

Attributes

Operation Pattern: Normal Operation
 Mode: Asynchronous

Messages

| Role | Type | Name | Namespace |
|-----------|--------------|----------------|-----------------------------------|
| Request * | Message Type | MT_Material_CC | urn:nick4name.eu:BIT400:A:File_CC |



SC_BIT400_B 1.0 of nick4name

Namespace urn:nick4name.eu:BIT400:B:File_CC

Data Type

DT_Article_CC

Display Data Type Status Active

Name: DT_Article_CC
 Namespace: urn:nick4name.eu:BIT400:B:File_CC
 Software Component Version: SC_BIT400_B 1.0 of nick4name
 Description:

Classification: Free-Style Data Type Qualify Schema: None

Type Definition XSD

| Name | Category | Type |
|----------------|--------------|-------------------|
| DT_Article_CC | Complex Type | |
| documentName | Element | |
| recordset | Element | DT_Article_Detail |
| MaterialID | Element | xsd:string |
| BaseUnit | Element | xsd:string |
| IndustrySector | Element | xsd:string |
| MaterialType | Element | xsd:string |
| MaterialGroup | Element | xsd:string |

Display Data Type Status Active

Name: DT_Article_Detail
 Namespace: urn:nick4name.eu:BIT400:B:File_CC
 Software Component Version: SC_BIT400_B 1.0 of nick4name
 Description:

Classification: Free-Style Data Type Qualify Schema: None

Type Definition XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details | Business C |
|-------------------|--------------|------------|------------|---------|--------------------------|----------------|------------|
| DT_Article_Detail | Complex Type | | | | | | |
| MaterialID | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="18" | |
| BaseUnit | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="2" | |
| IndustrySector | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" | |
| MaterialType | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" | |
| MaterialGroup | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" | |



Message Type

MT_Article_CC

Display Message Type Status: Active

Name: MT_Article_CC
 Namespace: urn:nick4name.eu:BIT400:B:File_CC
 Software Component Version: SC_BIT400_B 1.0 of nick4name
 Description:

Data Type Used: DT_Article_CC (Namespace: urn:nick4name.eu:BIT400:B:File_CC)
 XML Namespace: urn:nick4name.eu:BIT400:B:File_CC

Structure XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details |
|----------------|----------|-------------------|------------|---------|--------------------------|----------------|
| MT_Article_CC | Element | DT_Article_CC | 1 | | | |
| documentName | Element | | 1 | | <input type="checkbox"/> | |
| recordset | Element | DT_Article_Detail | 1 | | <input type="checkbox"/> | |
| MaterialID | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="18" |
| BaseUnit | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="2" |
| IndustrySector | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" |
| MaterialType | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" |
| MaterialGroup | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" |

Service Interface Inbound

SI_Article_CC_DS_inb

Display Service Interface Status: Active Displayed Language: En

Name: SI_Article_CC_DS_inb
 Namespace: urn:nick4name.eu:BIT400:B:File_CC
 Software Component Version: SC_BIT400_B 1.0 of nick4name
 Description:

Attributes
 Category: Inbound
 Interface Pattern: Stateless
 Security Profile: Low
 Event Interface Sensitive Data

Operations

Operation SI_Article_CC_DS_inb

Description:
 Release State: Not Released

Attributes
 Operation Pattern: Normal Operation
 Mode: Asynchronous

Messages

| Role | Type | Name | Namespace |
|-----------|--------------------|---------------|-----------------------------------|
| Request * | Message Type | MT_Article_CC | urn:nick4name.eu:BIT400:B:File_CC |
| Fault | Fault Message Type | | |



SC_BIT400_MAPPING 1.0 of nick4name

Enterprise Services Builder

Namespace *urn:nick4name.eu:BIT400:File_CC*

Message Mapping

MM_Material_to_Article_CC

| | |
|----------------|----------------|
| Source Message | MT_Material_CC |
| Target Message | MT_Article_CC |

Display Message Mapping Status: Active Displayed Language: E

Name: MM_Material_to_Article_CC
 Namespace: urn:nick4name.eu:BIT400:File_CC
 Software Component Version: SC_BIT400_MAPPING 1.0 of nick4name
 Description:

Definition Test Signature Functions

Message Type: MT_Material_CC

| Structure | Occurrences | Type | Description |
|----------------|-------------|-------------------|-------------|
| MT_Material_CC | 1..1 | p8:DT_Material_CC | |
| documentName | 1..1 | p8:DT_Material_ND | |
| recordset | 1..1 | | |
| MaterialID | 1..1 | xsd:string | |
| IndustrySector | 1..1 | xsd:string | |
| BaseUnit | 1..1 | xsd:string | |
| MaterialGroup | 1..1 | xsd:string | |
| MaterialType | 1..1 | xsd:string | |

Message Type: MT_Article_CC

| Structure | Occurrences | Type | Description |
|----------------|-------------|----------------------|-------------|
| MT_Article_CC | 1..1 | p9:DT_Article_CC | |
| documentName | 1..1 | p9:DT_Article_Detail | |
| recordset | 1..1 | | |
| MaterialID | 1..1 | xsd:string | |
| BaseUnit | 1..1 | xsd:string | |
| IndustrySector | 1..1 | xsd:string | |
| MaterialType | 1..1 | xsd:string | |
| MaterialGroup | 1..1 | xsd:string | |



Operation Mapping

OM_Material_to_Article_CC

| | |
|------------------|-----------------------|
| Source Operation | SI_Material_CC_DS_out |
| Target Operation | SI_Article_CC_DS_inb |

Display Operation Mapping Status: Active Displayed Language: Eng

Name: OM_Material_to_Article_CC
 Namespace: urn:nick4name.eu:BIT400:File_CC
 Software Component Version: SC_BIT400_MAPPING 1.0 of nick4r1
 Description:

Definition | Test

Source Operation *

| Name | Namespace | Software Component Ver... | Occurrence |
|-----------------------|--|---------------------------|------------|
| SI_Material_CC_DS_out | urn:nick4name.eu:BIT400:SC_BIT400_A 1.0 of nick4r1 | | |

Target Operation *

| Name | Namespace | Software Component Ver... | Occurrence |
|----------------------|--|---------------------------|------------|
| SI_Article_CC_DS_inb | urn:nick4name.eu:BIT400:SC_BIT400_B 1.0 of nick4r1 | | |

Read Operations Parameters... Use SAP XML Toolkit Do Not Resolve XOP Includes Read Attachments

Source Message MT_Material_CC

Mapping Program *

| Type | Name | Namespace | Binding |
|-----------------|---------------------------|---------------------------------|---------|
| Message Mapping | MM_Material_to_Article_CC | urn:nick4name.eu:BIT400:File_CC | |

Target Message MT_Article_CC

Integration Builder

Configuration Scenario CS_N4N_DS_FILE_to_FILE_CC

Display Configuration Scenario Status: Active

Configuration Scenario: CS_N4N_DS_FILE_to_FILE_CC
 Description:

ES Repository Model | **Objects** | Configuration Overview

Search [] Go

| Type | Object | Description |
|-------------------------|--|-------------|
| Business System | BS_N4N_RECEIVER | |
| Business System | BS_N4N_SENDER | |
| Communication Channel | BS_N4N_RECEIVER CC_File_CC_00_RCV | |
| Communication Channel | BS_N4N_SENDER CC_File_CC_00_SND | |
| Receiver Determination | BS_N4N_SENDER SI_Material_CC_DS_out | |
| Interface Determination | BS_N4N_SENDER SI_Material_CC_DS_out BS_N4N_RECEIVER | |
| Sender Agreement | BS_N4N_SENDER SI_Material_CC_DS_out | |
| Receiver Agreement | BS_N4N_SENDER BS_N4N_RECEIVER SI_Article_CC_DS_inb | |



Communication Channel Sender

| | |
|--|---|
| Display Communication Channel Status: Active Displayed | |
| Communication Channel | CC_File_CC_00_SND |
| Party | |
| Communication Component | BS_N4N_SENDER |
| Description | |
| Parameters Identifiers Module | |
| Adapter Type | File http://sap.com/xi/XI/System SAP BASIS 7.31 |
| <input checked="" type="radio"/> Sender <input type="radio"/> Receiver | |
| Transport Protocol | File System (NFS) |
| Message Protocol | File Content Conversion |
| Adapter Engine | Central Adapter Engine |
| Source Processing Content Conversion Advanced | |
| File Access Parameters | |
| Source Directory | \\N4N-NW73\F_S_CORSO_PI\Outbound |
| File Name | FileMaterialCC_00.txt |
| <input type="checkbox"/> Advanced Selection for Source File <input type="checkbox"/> Additional File(s) | |
| Comm. Channel: | CC_File_XML_00_SND |
| Comm. Component: | BS_N4N_SENDER |
| Source Directory: | \\N4N-NW73\F_S_CORSO_PI\Outbound |
| File Name: | FileMaterialCC_00_ .txt |
|  FileMaterialCC_00.t xt | |
| Source Processing Content Conversion Advanced | |
| Processing Parameters | |
| Quality of Service * | Exactly Once |
| Poll Interval (secs) * | 60 |
| Poll Interval (msecs) | |
| Retry Interval (secs) | |
| Processing Mode * | Archive |
| <input checked="" type="checkbox"/> Add Time Stamp | |
| Archive Directory | \\N4N-NW73\F_S_CORSO_PI\Outbound\Archive\ |
| Empty-File Handling | Do Not Create Message |
| <input type="checkbox"/> Archive Faulty Source Files | |
| <input type="checkbox"/> Process Read-Only Files | |
| Processing Sequence | By Name |
| File Type * | Binary |
| Run Operating System Command Before Message Processing | |
| Command Line | |
| Timeout (secs) | |
| <input type="checkbox"/> Terminate Program After Timeout | |
| Run Operating System Command After Message Processing | |
| Command Line | |
| Timeout (secs) | |
| <input type="checkbox"/> Terminate Program After Timeout | |
| Duplicate Handling | |
| <input type="checkbox"/> Enable Duplicate Handling | |
| Archive Directory: | \\N4N-NW73\F_S_CORSO_PI\Outbound\Archive\ |

Display Communication Channel Status: Active

Communication Channel: CC_File_CC_00_SND
 Party:
 Communication Component: BS_N4N_SENDER
 Description:
 Parameters Identifiers Module

Adapter Type * File http://sap.com/xi/XI/System SAP BASIS 7.31
 Sender Receiver
 Transport Protocol * File System (NFS)
 Message Protocol * File Content Conversion
 Adapter Engine * Central Adapter Engine

Source Processing **Content Conversion** Advanced

Content Conversion Parameters

Document Name: MT_Material_CC
 Document Namespace: urn:nick4name.eu:BIT400:A:File_CC
 Document Offset:
 Recordset Name: documentName
 Recordset Namespace:
 Recordset Structure * recordset,*
 Recordset Sequence * Ascending
 Recordsets per Message:
 Key Field Name:
 Key Field Type: String (Case-Sensitive)

| Name | Value |
|-----------------------------|---|
| recordset.fieldNames | MaterialID,IndustrySector,BaseUnit,MaterialGroup,MaterialType |
| recordset.fieldFixedLengths | 18,3,2,3,3 |

| | |
|------------------------------------|---|
| Document name | MT_Material_CC |
| Document namespace | urn:nick4name.eu:BIT400:A:File_CC |
| Recordset name | documentName |
| Recordset structure | recordset,* |
| recordset.fieldNames | MaterialID,IndustrySector,BaseUnit,MaterialGroup,MaterialType |
| recordset.fieldFixedLengths | 18,3,2,3,3 |

Source Processing **Advanced**

Adapter-Specific Message Attributes

Set Adapter-Specific Message Attributes
 File Name
 Directory
 File Type
 Source File Size
 Source File Time Stamp

Adapter Status

Status: Active

Advanced Mode



Sender Agreement

Display Sender Agreement Status: **Active**

Sender

Communication Party: _____

Communication Component: BS_N4N_SENDER

Interface: SI_Material_CC_DS_out

Namespace: urn:nick4name.eu:BIT400:A:File_CC

Receiver

Communication Party: _____

Communication Component: _____

Description: _____

Parameters | **Assigned Users**

Sender Communication Channel * CC_File_CC_00_SND

Software Component Version of Sender Interface SC_BIT400_A 1.0 of nick4name

Virus Scan Use Global Configuration

Schema Validation No Validation Validation by Adapter Validation by Integration Engine

Receiver Determination

Sender Interface SI_Material_CC_DS_out

Display Receiver Determination Status: **Active** Displayed Language: _____

Sender

Communication Party: _____

Communication Component: BS_N4N_SENDER

Interface: SI_Material_CC_DS_out

Namespace: urn:nick4name.eu:BIT400:A:File_CC

Receiver

Communication Party: *

Communication Component: *

Description: _____

Configuration Overview

Software Component Version SC_BIT400_A 1.0 of nick4name

Type of Receiver Determination Standard Extended

Operation-Specific Not Operation-Specific

Configured Receivers

| Rule | Condition | Communication Party | Communication Component * |
|------------|-----------|---------------------|---------------------------|
| Local Rule | | | BS_N4N_RECEIVER |

Configuration Overview for Receiver Determination

Receiver: BS_N4N_RECEIVER

- SI_Article_CC_DS_inb

Objects of Selected Connection

| Type | Object | Description |
|--------------------------------|---|-------------|
| Sender Agreement | BS_N4N_SENDER SI_Material_CC_DS_out | |
| Sender Communication Channel | BS_N4N_SENDER CC_File_CC_00_SND | |
| Receiver Determination | BS_N4N_SENDER SI_Material_CC_DS_out | |
| Interface Determination | BS_N4N_SENDER SI_Material_CC_DS_out BS_N4N_RECEIVER | |
| Receiver Agreement | BS_N4N_SENDER BS_N4N_RECEIVER SI_Article_CC_DS_inb | |
| Receiver Communication Channel | BS_N4N_RECEIVER CC_File_CC_00_RCV | |



Interface Determination

Operation Mapping **SI_Article_CC_DS_inb**

Display Interface Determination Status: Active Displayed Language: English

Sender

Communication Party: _____
 Communication Component: BS_N4N_SENDER
 Interface: SI_Material_CC_DS_out
 Namespace: urn:nick4name.eu:BIT400:A:File_CC

Receiver

Communication Party: _____
 Communication Component: BS_N4N_RECEIVER
 Description: _____

Software Component Version of Sender Interface: SC_BIT400_A 1.0 of nick4name
 Maintain Order at Runtime

Operation

SI_Material_CC_DS_out

Receiver Interfaces

| Condition | Operation Mapping | Name * | Namespace * | Multiplicity | Parameters |
|---------------------------|-------------------|----------------------|-----------------------------------|--------------|--------------------------|
| OM_Material_to_Article_CC | | SI_Article_CC_DS_inb | urn:nick4name.eu:BIT400:B:File_CC | 1 | <input type="checkbox"/> |

Communication Channel Receiver

Display Communication Channel Status: Active

Communication Channel: CC_File_CC_00_RCV
 Party: _____
 Communication Component: BS_N4N_RECEIVER
 Description: _____

Parameters **Identifiers** **Module**

Adapter Type * File http://sap.com/xi/XI/System SAP BASIS 7.31

Sender Receiver

Transport Protocol * File System (NFS)

Message Protocol * File Content Conversion

Adapter Engine * Central Adapter Engine


Target **Processing** **Content Conversion** **Advanced**

File Access Parameters

Target Directory * \\N4N-NW73\F5_CORSO_PI\Inbound
 Create Target Directory

File Name Scheme * FileArticleCC_00_bt

Comm. Chan.: CC_File_XML_00_RCV
 Target Dir. : \\N4N-NW73\F5_CORSO_PI\Inbound
 File Name Sch.: FileArticleCC_00_.txt


FileArtideCC_00.txt



Target Processing Content Conversion Advanced

Processing Parameters

File Construction Mode * Add Time Stamp

Write Mode Directly

Empty-Message Handling Write Empty File

Maximum Concurrency 1

File Type * Binary

Run Operating System Command Before Message Processing

Command Line

Timeout (secs)

Terminate Program After Timeout

Run Operating System Command After Message Processing

Command Line

Timeout (secs)

Terminate Program After Timeout

Target Processing Content Conversion Advanced

Content Conversion Parameters

Recordset Structure * documentName,recordset

| Name | Value |
|-----------------------------|------------|
| documentName.fieldSeparator | '\n' |
| recordset.fieldFixedLengths | 18,2,3,3,3 |

| | |
|-----------------------------|------------------------|
| Recordset Structure | documentName,recordset |
| documentName.fieldSeparator | '\n' |
| recordset.fieldFixedLengths | 18,2,3,3,3 |

Target Processing Advanced

Variable Substitution (Target Directory/File Name Scheme)

Enable

Adapter-Specific Message Attributes

Use Adapter-Specific Message Attributes


Adapter Status

Status Active

Advanced Mode



Receiver Agreement

 **Display Receiver Agreement** Status

Sender

Communication Party

Communication Component

Receiver


Communication Party


Communication Component


Interface

Namespace

Description


Receiver Communication Channel * 


Software Component Version of Receiver Interface 


Virus Scan 


Schema Validation Validation by Integration Engine

Header Mapping

Sender Communication Party 

Sender Communication Component 

Receiver Communication Party 

Receiver Communication Component 

Scenario IDOC_to_FILE: MATMAS

SAP APPL 6.18

IDocs

MATMAS.MATMAS05

Display IDoc (Software component version cannot be changed)

Name: MATMAS.MATMAS05
 Namespace: urn:sap-com:document:sap.idoc:messages
 Software Component Version: SAP APPL 6.18
 Description: Enhancement: Distribution of Single-Level Variants

Structure XSD WSDL

Sensitive Data

Search Go

| Name | Category | Type |
|-----------|-----------|-----------------------|
| MATMAS05 | Element | |
| IDOC | Element | MATMAS.MATMAS05 |
| BEGIN | Attribute | xsd:string |
| EDC40 | Element | EDC40.MATMAS.MATMAS05 |
| E1MARAM | Element | MATMAS05.E1MARAM |
| E1UPSLINK | Element | MATMAS05.E1UPSLINK |

SC_BIT400_B 1.0 of nick4name

Namespace urn:nick4name.eu:BIT400:B:IDOC

Message Type

MT_Article_IDoc

Display Message Type Status: Active

Name: MT_Article_IDoc
 Namespace: urn:nick4name.eu:BIT400:B:IDOC
 Software Component Version: SC_BIT400_B 1.0 of nick4name
 Description:

Name *
 Data Type Used: DT_Article
 XML Namespace: urn:nick4name.eu:BIT400:B:IDOC
 Namespace *
 urn:nick4name.eu:BIT400:B:File

Structure XSD

Search Go

| Name | Category | Type | Occurrence | Default | Deletable | Details | Bus |
|-----------------|----------|--------------------------|--------------|---------|--------------------------|----------------|-----|
| MT_Article_IDoc | Element | p1:DT_Article | 1 | | | | |
| MaterialID | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="18" | |
| BaseUnit | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="2" | |
| IndustrySector | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" | |
| MaterialType | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" | |
| MaterialGroup | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="3" | |
| Description | Element | p1:DT_ArticleDescription | 1..unbounded | | <input type="checkbox"/> | | |
| p1:Language | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="2" | |
| p1:Description | Element | xsd:string | 1 | | <input type="checkbox"/> | maxLength="15" | |





E' possibile personalizzare il namespace rispetto a quello del Data Type specificandolo in *XML Namespace*.

Service Interface Inbound

SI_Article_IDOC_DS_inb

Display Service Interface Status: Active Displayed Language

Name: SI_Article_IDOC_DS_inb
 Namespace: urn:nick4name.eu:BIT400:BITDOC
 Software Component Version: SC_BIT400_B.1.0 of nick4name
 Description:

Definition | WSDL | Matching Service Interfaces | Classifications

Attributes

Category: Inbound
 Interface Pattern: Stateless
 Security Profile: LOW
 Event interface Sensitive Data

Operations

Operation SI_Article_IDOC_DS_inb

Description:
 Release State: Not Released

Attributes

Operation Pattern: Normal Operation
 Mode: Asynchronous

Messages

| Role | Type | Name | Namespace |
|-----------|--------------------|-----------------|--------------------------------|
| Request * | Message Type | MT_Article_IDoc | urn:nick4name.eu:BIT400:BITDOC |
| Fault | Fault Message Type | | |



SC_BIT400_MAPPING 1.0 of nick4name

Enterprise Services Builder

Namespace *urn:nick4name.eu:BIT400:IDOC*

Message Mapping

MM_IDOC_to_File

| | |
|----------------|-----------------|
| Source Message | MATMAS.MATMAS05 |
| Target Message | MT_Article_IDoc |

Display Message Mapping MM_IDOC_to_File_MATMAS

Active | Displayed Language: English

Definition | Test | Signature | Functions

IDoc: MATMAS.MATMAS05

| Structure | Occurrences | Type | Description |
|------------------------------------|-------------|------------|-------------|
| Material Number | 0..1 | xsd:string | MATNR |
| Created On | 0..1 | xsd:string | ERSDA |
| Name of Person who Created the | 0..1 | xsd:string | ERNAM |
| Date of Last Change | 0..1 | xsd:string | LAEDA |
| Name of Person Who Changed C | 0..1 | xsd:string | AEANAM |
| Maintenance status | 0..1 | xsd:string | PSSTAT |
| Flag Material for Deletion at Clie | 0..1 | xsd:string | LVORM |
| Material Type | 0..1 | xsd:string | MTART |
| Industry sector | 0..1 | xsd:string | MBRSH |
| Material Group | 0..1 | xsd:string | MATKL |
| Old material number | 0..1 | xsd:string | BISMT |
| Base Unit of Measure | 0..1 | xsd:string | MEINS |
| Purchase Order Unit of Measure | 0..1 | xsd:string | BSTME |
| Document number (without docu | 0..1 | xsd:string | ZEINR |
| Document type (without Documen | 0..1 | xsd:string | ZEIAR |

Message Type: MT_Article_IDoc

| Structure | Occurrences | Type | Description |
|-----------------|--------------|--------------------------|-------------|
| MT_Article_IDoc | 1..1 | p7:DT_Article | |
| MaterialID | 1..1 | xsd:string | |
| BaseUnit | 1..1 | xsd:string | |
| IndustrySector | 1..1 | xsd:string | |
| MaterialType | 1..1 | xsd:string | |
| MaterialGroup | 1..1 | xsd:string | |
| Description | 1..unbounded | p7:DT_ArticleDescription | |
| Language | 1..1 | xsd:string | |
| Description | 1..1 | xsd:string | |

Operation Mapping

OM_IDOC_to_File_MATMAS

| | |
|------------------|------------------------|
| Source Operation | MATMAS.MATMAS05 |
| Target Operation | SI_Article_IDOC_DS_inb |

Display Operation Mapping

Status: Active | Displayed Language: English

Name: OM_IDOC_to_File_MATMAS

Namespace: urn:nick4name.eu:BIT400:IDOC

Software Component Version: SC_BIT400_MAPPING 1.0 of nick4name

Description:

Definition | Test

Source Operation

| Name | Namespace | Software Component Ver. | Occurrence |
|-----------------|---------------------------------------|-------------------------|------------|
| MATMAS.MATMAS05 | urn.sap.com:document.sajSAP_APPL.6.13 | | 1 |

Target Operation

| Name | Namespace | Software Component Ver. | Occurrence |
|------------------------|--|-------------------------|------------|
| SI_Article_IDOC_DS_inb | urn:nick4name.eu:BIT400:SC_BIT400_B 1.0 of nick4r1 | | |

Read Operations | Parameters... | Use SAP XML Toolkit | Do Not Resolve XOP Includes | Read Attachments

Source Message: MATMAS.MATMAS05

Mapping Program

| Type | Name | Namespace | Binding |
|-----------------|------------------------|------------------------------|---------|
| Message Mapping | MM_IDOC_to_File_MATMAS | urn:nick4name.eu:BIT400:IDOC | |

Target Message: MT_Article_IDoc



Integration Builder

Configuration Scenario *CS_N4N_DS_IDOC_to_FILE_MATMAS*

Display Configuration Scenario

Configuration Scenario: CS_N4N_DS_IDOC_to_FILE_MATMAS

Description:

ES Repository Model | **Objects** | Configuration Overview

Search: Go

| Type | Object |
|-------------------------|---|
| Business System | BS_N4N_RECEIVER |
| Business System | BS_V17_800 |
| Communication Channel | BS_N4N_RECEIVER CC_File_IDOC_00_RCV |
| Receiver Determination | BS_V17_800 MATMAS.MATMAS05 |
| Interface Determination | BS_V17_800 MATMAS.MATMAS05 BS_N4N_RECEIVER |
| Receiver Agreement | BS_V17_800 BS_N4N_RECEIVER SI_Article_IDOC_DS_inb |

Receiver Determination

Sender Interface: MATMAS.MATMAS05

Edit Receiver Determination Status: Active Displayed Language: Eng

Sender

Communication Party:

Communication Component: BS_V17_800

Interface: MATMAS.MATMAS05

Namespace: urn:sap-com:document:sap:idoc:messages

Receiver

Communication Party: *

Communication Component: *

Description:

Contents | **Configuration Overview**

Software Component Version: SAP APPL 6.18

Type of Receiver Determination: Standard Extended

Configured Receivers

Search: Go

| Rule | Condition | Communication Party | Communication Component* |
|------------|-----------|---------------------|--------------------------|
| Local Rule | | | BS_N4N_RECEIVER |

Contents | **Configuration Overview**

Configuration Overview for Receiver Determination

Receiver: BS_N4N_RECEIVER

SI_Article_IDOC_DS_inb

Objects of Selected Connection

Search: Go

| Type | Object | Description |
|--------------------------------|---|-------------|
| Sender Agreement | | |
| Sender Communication Channel | | |
| Receiver Determination | BS_V17_800 MATMAS.MATMAS05 | |
| Interface Determination | BS_V17_800 MATMAS.MATMAS05 BS_N4N_RECEIVER | |
| Receiver Agreement | BS_V17_800 BS_N4N_RECEIVER SI_Article_IDOC_DS_inb | |
| Receiver Communication Channel | BS_N4N_RECEIVER CC_File_IDOC_00_RCV | |



Interface Determination

| | | | | |
|-------------------|--|------------------------|--|--|
| Operation Mapping | | OM_IDOC_to_File_MATMAS | | |
|-------------------|--|------------------------|--|--|

Display Interface Determination Status: Active

Sender

Communication Party: _____
 Communication Component: BS_V17_800
 Interface: MATMAS_MATMAS05
 Namespace: urn:sap-com:document:sap.idoc:messages

Receiver

Communication Party: _____
 Communication Component: BS_N4N_RECEIVER
 Description: _____

Software Component Version of Sender Interface: SAP APPL 6.18
 Maintain Order at Runtime

Receiver Interfaces *

| Condition | Operation Mapping | Name * | Namespace * | Multiplicity |
|-----------|------------------------|------------------------|--------------------------------|--------------|
| | OM_IDOC_to_File_MATMAS | SI_Article_IDOC_DS_inb | urn:nick4name.eu:BIT400:B:IDOC | 1 |

Receiver Agreement

Display Receiver Agreement Status: Active

Sender

Communication Party: _____
 Communication Component: BS_V17_800

Receiver

Communication Party: _____
 Communication Component: BS_N4N_RECEIVER
 Interface: SI_Article_IDOC_DS_inb
 Namespace: urn:nick4name.eu:BIT400:B:IDOC
 Description: _____

Receiver Communication Channel *

Software Component Version of Receiver Interface:

Virus Scan:


Schema Validation: Validation by Integration Engine

Header Mapping

- Sender Communication Party
- Sender Communication Component
- Receiver Communication Party
- Receiver Communication Component



Communication Channel Receiver

| | | |
|--|---|---|
| Display Communication Channel | | Status: Active |
| Communication Channel | CC_File_IDOC_00_RCV | |
| Party | | |
| Communication Component | BS_N4N_RECEIVER | |
| Description | | |
| <p>Parameters Identifiers Module</p> | | |
| Adapter Type * | File | http://sap.com/xi/XI/System SAP BASIS 7.31 |
| <input type="radio"/> Sender <input checked="" type="radio"/> Receiver | | |
| Transport Protocol * | File System (NFS) | |
| Message Protocol * | File | |
| Adapter Engine * | Central Adapter Engine | |
| <p>Target Processing Advanced</p> | | |
| File Access Parameters | | |
| Target Directory * | \\N4N-NW73\F5_CORSO_PI\Inbound | |
| <input type="checkbox"/> Create Target Directory | | |
| File Name Scheme * | FileArticle_IDOC_%matid%_%matty%_xml | |
| Comm. Chan.: | CC_File_IDOC_00_RCV |  FileArticle_IDOC_00_ _xml |
| Target Dir. : | \\N4N-NW73\F5_CORSO_PI\Inbound | |
| File Name Sch.: | FileArticle_IDOC_00_%matid%_%matty%_xml | |
| <p>Target Processing Content Conversion Advanced</p> | | |
| Processing Parameters | | |
| File Construction Mode * | Add Time Stamp | |
| Write Mode | Directly | |
| Empty-Message Handling | Write Empty File | |
| Maximum Concurrency | 1 | |
| File Type * | Binary | |
| Run Operating System Command Before Message Processing | | |
| Command Line | | |
| Timeout (secs) | | |
| <input type="checkbox"/> Terminate Program After Timeout | | |
| Run Operating System Command After Message Processing | | |
| Command Line | | |
| Timeout (secs) | | |
| <input type="checkbox"/> Terminate Program After Timeout | | |



Target Processing **Advanced**

Variable Substitution (Target Directory/File Name Scheme)

Enable

| Variable Name | Reference |
|---------------|-------------------------------------|
| matid | payload:MT_Article,1,MaterialID,1 |
| matty | payload:MT_Article,1,MaterialType,1 |

Disable Security Checks

Adapter-Specific Message Attributes

Use Adapter-Specific Message Attributes

Adapter Status

Status: Active

Advanced Mode

| | |
|-------|-------------------------------------|
| matid | payload:MT_Article,1,MaterialID,1 |
| matty | payload:MT_Article,1,MaterialType,1 |

Customizing lato System Landscape Directory Technical System

View and define systems and servers.

Technical Systems - Expand to list all 2 systems

ABAP System Details - V17 on butvm17

General Database Clients Message Server Application Servers

Save Move

System Name: V17
System Home: butvm17
Installation Number: 0020192653
Release: 700
Description:

Administrative Contact:
TMS Domain: DOMAIN_V17
TMS Transport Group Name: GROUP_V17

Back to: [BS_V17_800](#)

View and define systems and servers.

Technical Systems - Expand to list all 2 systems

ABAP System Details - V17 on butvm17

General Database

System Home: butvm17
Release: 10.2.0.2.0
Manufacturer: Oracle
DBTypeForSAP: ORA
DBSysBits: 64
DBName: V17

Back to: [BS_V17_800](#)

View and define systems and servers.

Technical Systems - Expand to list all 2 systems

ABAP System Details - V17 on butvm17

General Database Clients Message Server Application Servers

Save Add New Client Remove

| Client Number | Logical System Name |
|---------------|---------------------|
| 000 | |
| 001 | |
| 066 | ID3CLNT066 |
| 800 | V17CLNT800 |

Back to: [BS_V17_800](#)

View and define systems and servers.

Technical Systems - Expand to list all 2 systems

ABAP System Details - V17 on butvm17

General Database Clients Message Server Application Servers Internet

Save Add New Logon Group Remove

Host Name: butvm17
Message Server Port: 3610
Description:

Administrative Contact:

Back to: [BS_V17_800](#)

View and define systems and servers.

Technical Systems - Expand to list all 2 systems

ABAP System Details - V17 on butvm17

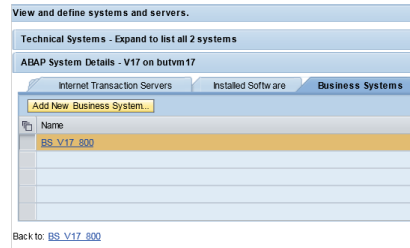
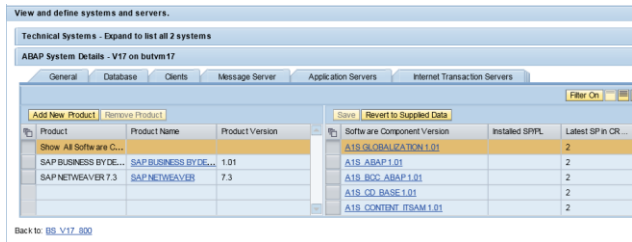
General Database Clients Message Server Application Servers

Add SCS Instance Add Application Server Remove

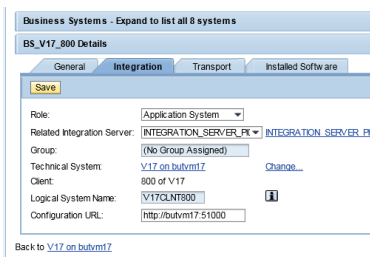
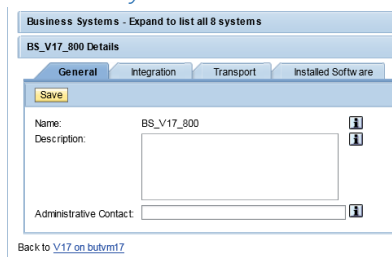
| Name | Host Name | Instance | Port Name | Port Number |
|-------------------------|-----------|----------|-------------------------------------|-------------|
| butvm17_V17_10(Central) | butvm17 | 10 | SAP Dispatcher Port for V17 butvm17 | 3210 |

Back to: [BS_V17_800](#)





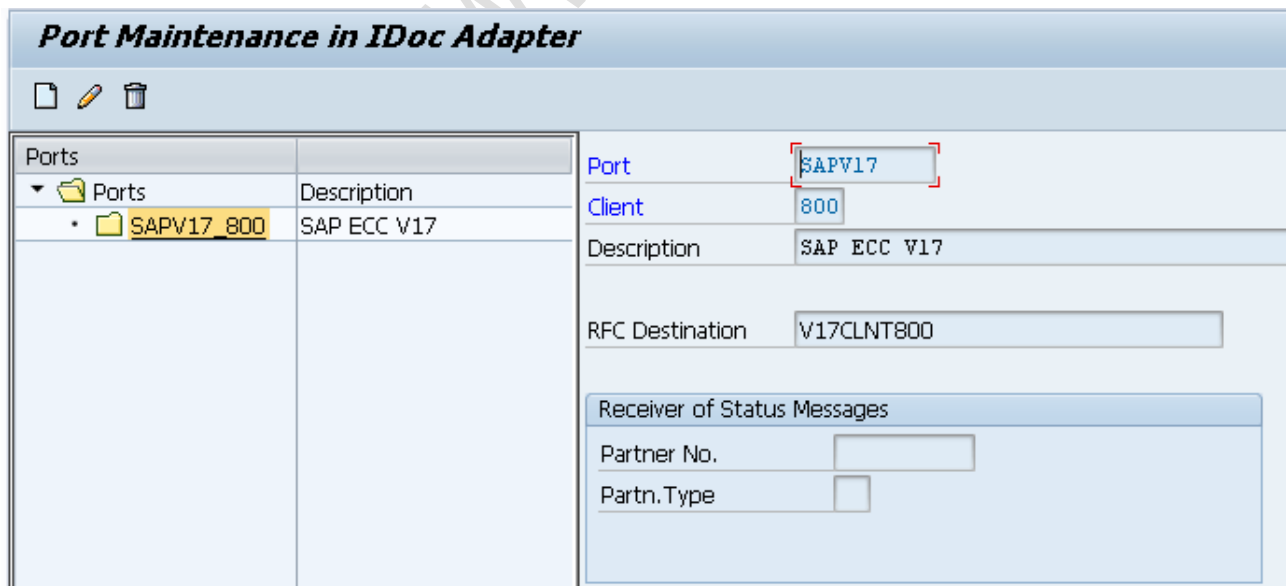
Business System



Customizing lato Stack ABAP PI

Port Maintenance in Idoc Adapter [IDX1]

Porta idoc di entrata in PI. L'ECC sender cerca la porta "SAP"+<sysid> alla quale inviare gli idoc.



Ports in IDoc processing [WE21]

The screenshot shows the 'Ports in IDoc processing' configuration window. On the left, a tree view shows 'Ports' expanded to 'Transactional RFC', with 'N4N_PIO' selected. The main area displays the configuration for 'N4N_PIO':

| Port | Description |
|---------|-------------|
| N4N_PIO | SAP PI PID |

Additional configuration details shown:

- Version: IDoc record types SAP Release 4.x
- RFC destination: PIOCLNT001

Partner Profiles [WE20]

The screenshots show the 'Partner profiles' configuration. The left screenshot shows the 'Partner Profiles' tree with 'Partner Type LS' selected. The right screenshot shows the 'Partner profiles: Outbound parameters' configuration for partner 'PIOCLNT001':

- Partner No.: PIOCLNT001
- Message Type: MATMAS
- Receiver port: N4N_PIO
- Output Mode: 2
- Basic type: MATMAS05

Generazione massiva IDoc MATMAS [BD21]

Apportare una modifica ad un materiale con MM02 quindi eseguire la BD21



Creating IDoc Type from Change Pointers

Message type

Gli IDoc generati saranno visibili nella WE02

SAP

Outbound IDocs MATMAS Status: 03

| IDoc Number | Segm... | Stat... | Stat... | Partner | Basic type | Date created | Time | Messg.T... | Direction | Port |
|------------------|---------|---------|---------|-----------------|------------|--------------|----------|------------|-----------|---------|
| 0000000000716796 | 8 03 | OO | OO | LS/ /PIOCLNT001 | MATMAS05 | 22.05.2017 | 09:18:51 | MATMAS | Outbox | N4N_PIO |
| 0000000000716815 | 8 03 | OO | OO | LS/ /PIOCLNT001 | MATMAS05 | 22.05.2017 | 09:18:51 | MATMAS | Outbox | N4N_PIO |
| 0000000000716821 | 8 03 | OO | OO | LS/ /PIOCLNT001 | MATMAS05 | 22.05.2017 | 09:40:13 | MATMAS | Outbox | N4N_PIO |
| 0000000000716822 | 8 03 | OO | OO | LS/ /PIOCLNT001 | MATMAS05 | 22.05.2017 | 09:49:58 | MATMAS | Outbox | N4N_PIO |
| 0000000000716823 | 8 03 | OO | OO | LS/ /PIOCLNT001 | MATMAS05 | 22.05.2017 | 09:51:32 | MATMAS | Outbox | N4N_PIO |
| 0000000000716824 | 8 03 | OO | OO | LS/ /PIOCLNT001 | MATMAS05 | 22.05.2017 | 10:27:55 | MATMAS | Outbox | N4N_PIO |
| 0000000000716825 | 8 03 | OO | OO | LS/ /PIOCLNT001 | MATMAS05 | 22.05.2017 | 10:33:21 | MATMAS | Outbox | N4N_PIO |
| 0000000000716826 | 8 03 | OO | OO | LS/ /PIOCLNT001 | MATMAS05 | 22.05.2017 | 10:34:08 | MATMAS | Outbox | N4N_PIO |

Sullo stack ABAP di PI saranno visibili sul monitor SXI_MONITOR

Monitor for Processed XML Messages

3 XML Messages Found

| Overall Status | O/S | A | Executed From | Start Time | End Time | Sender Component | Sender Namespace | Sender Interface | Receiver Component | Receiver Namespace | Receiver Interface | Pipeline | Version | Type | QoS | Inbound | Outbound |
|----------------|-----|---|---------------|------------|----------|------------------|--------------------------------------|------------------|--------------------|--------------------------------|------------------------|----------|------------------|--------------|-----|---------|----------|
| | | | 22.05.2017 | 12:27:10 | 12:27:10 | BS_V17_800 | urn:sap-com:document:sap:docmessages | MATMAS.MATMAS05 | BS_INN_RECEIVER | urn:nick4name.eu:BIT400:B:IDOC | SI_Article_IDOC_DS_inb | CENTRAL | "Current Status" | Asynchronous | EO | IDOC | AENGINE |
| | | | 12:42:46 | 12:42:46 | 12:42:46 | BS_V17_800 | urn:sap-com:document:sap:docmessages | MATMAS.MATMAS05 | BS_INN_RECEIVER | urn:nick4name.eu:BIT400:B:IDOC | SI_Article_IDOC_DS_inb | CENTRAL | "Current Status" | Asynchronous | EO | IDOC | AENGINE |
| | | | 12:45:21 | 12:45:21 | 12:45:21 | BS_V17_800 | urn:sap-com:document:sap:docmessages | MATMAS.MATMAS05 | BS_INN_RECEIVER | urn:nick4name.eu:BIT400:B:IDOC | SI_Article_IDOC_DS_inb | CENTRAL | "Current Status" | Asynchronous | EO | IDOC | AENGINE |



Scenario FILE_to_IDOC: MATMAS

SAP APPL 6.18

IDocs


MATMAS.MATMAS05

 Display IDoc (Software component version cannot be changed)

| | |
|----------------------------|--|
| Name | MATMAS.MATMAS05 |
| Namespace | urn:sap-com:document:sap:idoc:messages |
| Software Component Version | SAP APPL 6.18 |
| Description | Enhancement: Distribution of Single-Level Variants |

Structure XSD WSDL

Sensitive Data

 Search

| Name | Category | Type |
|-------------|-----------|--------------------------|
| ▼ MATMAS05 | Element | |
| ▼ IDOC | Element | MATMAS.MATMAS05 |
| BEGIN | Attribute | xsd:string |
| ▶ EDI_DC40 | Element | EDI_DC40.MATMAS.MATMAS05 |
| ▶ E1MARAM | Element | MATMAS05.E1MARAM |
| ▶ E1UPSLINK | Element | MATMAS05.E1UPSLINK |

SC_BIT400_A 1.0 of nick4name

Namespace urn:nick4name.eu:BIT400:A:IDOC2

Message Type

MT_Material

Display Message Type Status **Active**

Name: MT_Material
 Namespace: urn:nick4name.eu:BIT400:A:IDOC2
 Software Component Version: SC_BIT400_A 1.0 of nick4name
 Description:

Data Type Used: DT_Material Namespace *: urn:nick4name.eu:BIT400:A:File

XML Namespace: urn:nick4name.eu:BIT400:A:IDOC2

Structure XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details |
|----------------|----------|---------------------------|--------------|---------|--------------------------|---------|
| MT_Material | Element | p1:DT_Material | | | | |
| MaterialID | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| IndustrySector | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| BaseUnit | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| MaterialGroup | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| MaterialType | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| Description | Element | p1:DT_MaterialDescription | 1..unbounded | | <input type="checkbox"/> | |
| p1:Language | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| p1:Description | Element | xsd:string | 1 | | <input type="checkbox"/> | |

Service Interface Outbound

SI_Material_IDOC_DS_out

Display Service Interface Status **Active** Displayed Language

Name: SI_Material_IDOC_DS_out
 Namespace: urn:nick4name.eu:BIT400:A:IDOC2
 Software Component Version: SC_BIT400_A 1.0 of nick4name
 Description:

Attributes
 Category: Outbound
 Interface Pattern: Stateless
 Security Profile: Low
 Event interface Sensitive Data

Operations

Operation SI_Material_IDOC_DS_out

Description:
 Release State: Not Released

Attributes
 Operation Pattern: Normal Operation
 Mode: Asynchronous

Messages

| Role | Type | Name | Namespace |
|-----------|--------------|-------------|---------------------------------|
| Request * | Message Type | MT_Material | urn:nick4name.eu:BIT400:A:IDOC2 |



SC_BIT400_MAPPING 1.0 of nick4name

Enterprise Services Builder

Namespace *urn:nick4name.eu:BIT400:IDOC2*

Message Mapping

MM_IDOC_to_File

| | |
|----------------|-----------------|
| Source Message | MT_Material |
| Target Message | MATMAS.MATMAS05 |

Display Message Mapping Status: Active Displayed Language: English 0

Name: MM_File_to_IDOC_MATMAS
 Namespace: urn:nick4name.eu:BIT400:IDOC2
 Software Component Version: SC_BIT400_MAPPING 1.0 of nick4name
 Description:

Definition Test Signature Functions

Message Type: MT_Material

| Structure | Occurrences | Type | Description |
|----------------|--------------|---------------------------|-------------|
| MT_Material | 1..1 | p5:DT_Material | |
| MaterialID | 1..1 | xsd:string | |
| IndustrySector | 1..1 | xsd:string | |
| BaseUnit | 1..1 | xsd:string | |
| MaterialGroup | 1..1 | xsd:string | |
| MaterialType | 1..1 | xsd:string | |
| Description | 1..unbounded | p5:DT_MaterialDescription | |
| Language | 1..1 | xsd:string | |
| Description | 1..1 | xsd:string | |

| Structure | Occurrences | Type | Description |
|-----------|-------------|--------------------------|-----------------------------------|
| MATMAS05 | 1..1 | MATMAS.MATMAS05 | |
| DOC | 1..1 | required xsd:string | |
| BEGIN | required | xsd:string | |
| EDI_DC40 | 1..1 | EDI_DC40.MATMAS.MATMAS05 | |
| E1MARAM | 1..9999 | MATMAS05.E1MARAM | |
| SEGMENT | required | xsd:string | |
| MSGFN | 0..1 | xsd:string | Function |
| MATNR | 0..1 | xsd:string | Material Number |
| MART | 0..1 | xsd:string | Material Type |
| MBRSH | 0..1 | xsd:string | Industry sector |
| MATKL | 0..1 | xsd:string | Material Group |
| MEINS | 0..1 | xsd:string | Base Unit of Measure |
| E1MARA1 | 0..1 | MATMAS05.E1MARA1 | |
| E1MAKTM | 1..99 | MATMAS05.E1MAKTM | |
| SEGMENT | required | xsd:string | |
| MSGFN | 0..1 | xsd:string | Function |
| SPRAS | 0..1 | xsd:string | Language Key |
| MAKTX | 0..1 | xsd:string | Material Description (Short Text) |
| E1MARCM | 0..9999 | MATMAS05.E1MARCM | |

<https://www.nick4name.eu>



Operation Mapping

OM_File_to_IDOC_MATMAS

| | |
|------------------|-------------------------|
| Source Operation | SI_Material_IDOC_DS_out |
| Target Operation | MATMAS.MATMAS05 |

Display Operation Mapping Status: Active | Displayed Language: English (OL)

Name: OM_File_to_IDOC_MATMAS
 Namespace: urn:nick4name.eu:BIT400:IDOC2
 Software Component Version: SC_BIT400_A.1.0 of nick4name
 Description:

Source Operation

| Name | Namespace | Software Component Version | Occurrence |
|-------------------------|---------------------------------|------------------------------|------------|
| SI_Material_IDOC_DS_out | urn:nick4name.eu:BIT400:A:IDOC2 | SC_BIT400_A.1.0 of nick4name | 1 |

Target Operation

| Name | Namespace | Software Component Version | Occurrence |
|-----------------|---------------------------------------|----------------------------|------------|
| MATMAS.MATMAS05 | urn.sap.com:documentsap:idoc:messages | SAP APPL 6.18 | 1 |

Read Operations | Parameters | Use SAP XML Toolkit | Do Not Resolve XOP Includes | Read Attachments

Source Message

MT_Material

Mapping Program

| Type | Name | Namespace | Binding |
|-----------------|------------------------|-------------------------------|---------|
| Message Mapping | MM_File_to_IDOC_MATMAS | urn:nick4name.eu:BIT400:IDOC2 | |

Target Message

MATMAS.MATMAS05

Integration Builder

Configuration Scenario CS_N4N_DS_FILE_to_IDOC_MATMAS

Display Configuration Scenario Status: Active

Configuration Scenario: CS_N4N_DS_FILE_to_IDOC_MATMAS
 Description:

ES Repository Model | Objects | Configuration Overview

| Type | Object | Description |
|-------------------------|--|-------------|
| Business System | BS_N4N_COMPANY | |
| Business System | BS_V17_800 | |
| Communication Channel | BS_N4N_COMPANY CC_File_IDOC_00_SND | |
| Communication Channel | BS_V17_800 CC_IDOC_00_RCV | |
| Receiver Determination | BS_N4N_COMPANY SI_Material_IDOC_DS_out | |
| Interface Determination | BS_N4N_COMPANY SI_Material_IDOC_DS_out BS_V17_800 | |
| Sender Agreement | BS_N4N_COMPANY SI_Material_IDOC_DS_out | |
| Receiver Agreement | BS_N4N_COMPANY BS_V17_800 MATMAS.MATMAS05 | |



Communication Channel Sender

| | | | |
|--|--|-----------------------------|----------------|
| Display Communication Channel | | Status | Active |
| Communication Channel | CC_File_IDOC_00_SND | | |
| Party | | | |
| Communication Component | BS_N4N_COMPANY | | |
| Description | | | |
| <div style="display: flex; justify-content: space-between;"> Parameters Identifiers Module </div> | | | |
| Adapter Type * | File | http://sap.com/xi/XI/System | SAP BASIS 7.31 |
| <input checked="" type="radio"/> Sender <input type="radio"/> Receiver | | | |
| Transport Protocol * | File System (NFS) | | |
| Message Protocol * | File | | |
| Adapter Engine * | Central Adapter Engine | | |
| <div style="display: flex; justify-content: space-between;"> Source Processing Advanced </div> | | | |
| File Access Parameters | | | |
| Source Directory * | \\N4N-NW73\F5_CORSO_PI\Outbound | | |
| File Name * | FileMaterialIDOC_00.xml | | |
| <input type="checkbox"/> Advanced Selection for Source File <input type="checkbox"/> Additional File(s) | | | |
| Comm. Channel: CC_File_IDOC_00_SND Comm. Component: BS_N4N_COMPANY Source Directory: \\N4N-NW73\F5_CORSO_PI\Outbound File Name: FileMaterialIDOC_00.xml | | | |
| <div style="display: flex; justify-content: space-between;"> Source Processing Advanced </div> | | | |
| Processing Parameters | | | |
| Quality of Service * | Exactly Once | | |
| Poll Interval (secs) * | 60 | | |
| Poll Interval (msecs) | | | |
| Retry Interval (secs) | | | |
| Processing Mode * | Archive | | |
| <input checked="" type="checkbox"/> Add Time Stamp | | | |
| Archive Directory | \\N4N-NW73\F5_CORSO_PI\Outbound\Archive\ | | |
| Empty-File Handling | Do Not Create Message | | |
| <input type="checkbox"/> Archive Faulty Source Files <input type="checkbox"/> Process Read-Only Files | | | |
| Processing Sequence | By Name | | |
| File Type * | Binary | | |
| Run Operating System Command Before Message Processing | | | |
| Command Line | | | |
| Timeout (secs) | | | |
| <input type="checkbox"/> Terminate Program After Timeout | | | |
| Run Operating System Command After Message Processing | | | |
| Command Line | | | |
| Timeout (secs) | | | |
| <input type="checkbox"/> Terminate Program After Timeout | | | |
| Duplicate Handling | | | |
| <input type="checkbox"/> Enable Duplicate Handling | | | |
| Archive Directory: \\N4N-NW73\F5_CORSO_PI\Outbound\Archive\ | | | |



Source Processing **Advanced**

Adapter-Specific Message Attributes

- Set Adapter-Specific Message Attributes
- File Name
- Directory
- File Type
- Source File Size
- Source File Time Stamp

Adapter Status

Status

Advanced Mode

<https://www.nick4name.eu>



Receiver Determination

| | |
|------------------|-------------------------|
| Sender Interface | SI_Material_IDOC_DS_out |
|------------------|-------------------------|

Status: Active Displayed Language: English

Display Receiver Determination

Sender

Communication Party: BS_N4N_COMPANY
 Communication Component: SI_Material_IDOC_DS_out
 Interface: urn:nick4name.eu:BIT400:A:IDOC2
 Namespace: urn:nick4name.eu:BIT400:A:IDOC2

Receiver

Communication Party: *
 Communication Component: *
 Description:

Contents Configuration Overview

Software Component Version: SC_BIT400_A1.0 of nick4name
 Type of Receiver Determination: Standard Extended
 Operation-Specific Not Operation-Specific

Configured Receivers

| Rule | Condition | Communication Party | Communication Component * |
|------------|-----------|---------------------|---------------------------|
| Local Rule | | | BS_V17_800 |

Contents Configuration Overview

Configuration Overview for Receiver Determination

Receiver

- BS_V17_800
 - MATMAS.MATMAS05

Objects of Selected Connection

| Type | Object |
|-----------------------------|---|
| Sender Agreement | BS_N4N_COMPANY SI_Material_IDOC_DS_out |
| Sender Communication Ch... | BS_N4N_COMPANY CC_File_IDOC_00_SND |
| Receiver Determination | BS_N4N_COMPANY SI_Material_IDOC_DS_out |
| Interface Determination | BS_N4N_COMPANY SI_Material_IDOC_DS_out BS_V17_800 |
| Receiver Agreement | BS_N4N_COMPANY BS_V17_800 MATMAS.MATMAS05 |
| Receiver Communication C... | BS_V17_800 CC_IDOC_00_RCV |

Interface Determination

| | |
|-------------------|------------------------|
| Operation Mapping | OM_File_to_IDOC_MATMAS |
|-------------------|------------------------|

Status: Active Displayed Language: English

Display Interface Determination

Sender

Communication Party: BS_N4N_COMPANY
 Communication Component: SI_Material_IDOC_DS_out
 Interface: urn:nick4name.eu:BIT400:A:IDOC2
 Namespace: urn:nick4name.eu:BIT400:A:IDOC2

Receiver

Communication Party: BS_V17_800
 Communication Component: *
 Description:

Software Component Version of Sender Interface: SC_BIT400_A1.0 of nick4name
 Maintain Order at Runtime

Operation: SI_Material_IDOC_DS_out

Receiver Interfaces *

| Condition | Operation Mapping | Name * | Namespace * | Multiplicity | Parameters |
|-----------|------------------------|-----------------|--|--------------|--------------------------|
| | OM_File_to_IDOC_MATMAS | MATMAS.MATMAS05 | urn:sap-com:document:sap:idoc:messages | 1 | <input type="checkbox"/> |



Receiver Agreement

| Display Receiver Agreement | | Status | Active |
|---|---|--------|--------|
| Sender | | | |
| Communication Party | | | |
| Communication Component | BS_N4N_COMPANY | | |
| Receiver | | | |
| Communication Party | | | |
| Communication Component | BS_V17_800 | | |
| Interface | MATMAS.MATMAS05 | | |
| Namespace | urn:sap-com:document:sap:doc:messages | | |
| Description | | | |
| Receiver Communication Channel * | CC_IDOC_00_RCV | | |
| Software Component Version of Receiver Interface | | | |
| Virus Scan | Use Global Configuration | | |
| Schema Validation | <input type="checkbox"/> Validation by Integration Engine | | |
| Header Mapping | | | |
| <input type="checkbox"/> Sender Communication Party | | | |
| <input type="checkbox"/> Sender Communication Component | | | |
| <input type="checkbox"/> Receiver Communication Party | | | |
| <input type="checkbox"/> Receiver Communication Component | | | |

Communication Channel Receiver

| Display Communication Channel | | Status | Active |
|---|---------------------------|-----------------------------|----------------|
| Communication Channel | CC_IDOC_00_RCV | | |
| Party | | | |
| Communication Component | BS_V17_800 | | |
| Description | | | |
| <div style="display: flex; border-bottom: 1px solid black; margin-bottom: 5px;"> Parameters Identifiers Module </div> | | | |
| Adapter Type * | IDoc | http://sap.com/xi/XI/System | SAP BASIS 7.31 |
| <input type="radio"/> Sender <input checked="" type="radio"/> Receiver | | | |
| Transport Protocol * | IDoc | | |
| Message Protocol * | IDoc | | |
| Adapter Engine * | Integration Server | | |
| RFC Destination * | V17CLNT800 | | |
| Segment Version | | | |
| Interface Version * | SAP Release 4.0 or Higher | | |
| Port * | SAPV17 | | |
| SAP Release * | 4.0 | | |
| <input type="checkbox"/> Queue Processing <input type="checkbox"/> Apply Control Record Values from Payload <input type="checkbox"/> Take Sender from Payload <input type="checkbox"/> Take Receiver from Payload <input type="checkbox"/> Restore Original Parties for Acknowledgments | | | |
| Comm. Chan.: | CC_IDOC_00_RCV | | |
| RFC Destination : | V17CLNT800 | | |
| Port: | SAPV17 | | |
| SAP Release: | 4.0 | | |





Se l'RFC Destination non è definita in PI, il messaggio fallirà in SXI_MONITOR con l'errore
Error: DB Tab RFCDES: Could not determine code page with butvm17

Customizing lato System Landscape Directory

Technical System

TS_N4N_COMPANY

Third Party System Details - TS_N4N_COMPANY on n4n_company

General Installed Software Business Systems Landscapes

Save

System Home: n4n_company

Description:

Administrative Contact:

General Installed Software Business Systems Landscapes

Add New Product Remove Product

| Product | Product Name | Product Version | Software Component Version |
|------------------------------|-------------------|-----------------|------------------------------------|
| Show All Software Components | | | |
| P_N4N_PI_TRAINING 1.0 | P_N4N_PI_TRAINING | 1.0 | SC_BIT400_A 1.0 of nick4name |
| | | | SC_BIT400_B 1.0 of nick4name |
| | | | SC_BIT400_ECC 1.0 of nick4name |
| | | | SC_BIT400_MAPPING 1.0 of nick4name |

Save Revert to Supplied Data

General Installed Software Business Systems Landscapes

Add New Business System...

Name

BS_N4N_COMPANY

Business System

BS_N4N_COMPANY Details

General Integration Transport Installed Software

Save

Name: BS_N4N_COMPANY

Description:

Administrative Contact:

General Integration Transport Installed Software

Save

Role: Application System

Related Integration Server: INTEGRATION_SERVER_PX INTEGRATION_SERVER_P10

Group: (No Group Assigned)

Technical System: TS_N4N_COMPANY on n4n_company Change...

Logical System Name: N4N_SAS

Back to [TS_N4N_COMPANY on n4n_company](#)

Back to [TS_N4N_COMPANY on n4n_company](#)



| General | | Integration | | Transport | | Installed Software | |
|-------------------------------------|-----------|---------------------------------------|--|----------------------------|--|--------------------|--|
| Save | | | | | | | |
| Installed Products | | | | Software Components | | | |
| <input type="checkbox"/> | Installed | Product | | <input type="checkbox"/> | Component | | |
| <input checked="" type="checkbox"/> | | P_N4N_PI_TRAINING_1.0 | | <input type="checkbox"/> | SC_BIT400_A_1.0_of_nick4name | | |
| <input type="checkbox"/> | | | | <input type="checkbox"/> | SC_BIT400_B_1.0_of_nick4name | | |
| <input type="checkbox"/> | | | | <input type="checkbox"/> | SC_BIT400_ECC_1.0_of_nick4name | | |
| <input type="checkbox"/> | | | | <input type="checkbox"/> | SC_BIT400_MAPPING_1.0_of_nick4name | | |

Back to [TS_N4N_COMPANY](#) on [n4n_company](#)



Customizing lato stack ABAP PI

RFC Destination

V17CLNT800

RFC Destination V17CLNT800

Remote Logon Connection Test Unicode Test

RFC Destination

Connection Type ABAP Connection Description

Description

Description 1

Description 2

Description 3

Administration **Technical Settings** Logon & Security Unicode Special Options

Target System Settings

Load Balancing Status

Load Balancing Yes No

Target Host System Number

Save to Database as

Save as Hostname IP Address

Gateway Options

Gateway Host

Gateway service

Customizing lato ECC

Distribution Model [BD64]

| | |
|--------------------------------------|-----------------|
| Training MATMAS to/from PID | N4N_MATMAS |
| Nick4Name s.a.s | N4N_SAS |
| IDES ALE Central system (client 800) | V17CLNT800 |
| MATMAS | Material master |



Partner Profiles [WE20]

- MDM_MIGRAT MDM
- MDS_00_800 Master Data Management Server
- **N4N_SAS** Nick4Name s.a.s
- OMOCINT800
- P13CLNT800 P13 Client 800
- PFS_ID_M Logical System - PFS - Master Data
- PFS_ID_T Logical System - PFS - Trans Data
- PIDCLNT001 SAP PI Nick4Name
- PRODUCTION Productive system (client 811)
- PS_02_200 PS_02_200
- QWBCLNT705 QWBCLNT705
- REC_00_800 DMJ Client 800 - eRecruitment
- ...

Inbound parmts.

| Partner ... | Message Type | Message v... | MessageF... | Test |
|-------------|--------------|--------------|-------------|------|
| MATMAS | | | | |

Partner profiles: Inbound parameters

Partner No. Nick4Name s.a.s
 Partn.Type Logical system
 Partner Role

Message type Material master
 Message code
 Message function Test

Inbound options | Post processing: permitted agent | Telephony

Process code MATMAS Material master data
 Cancel Processing After Syntax Error

Processing by Function Module

Trigger by background program
 Trigger Immediately

<https://www.nick4name.eu>



Scenario FILE_to_FILE: RFC LOOKUP

Customizing lato ECC

Function Builder [SE37]

```
FUNCTION Z_GET_NAME_BY_CODE.  
*-----  
*""Local Interface:  
*  IMPORTING  
*    VALUE(CODE) TYPE  KUNNR  
*  EXPORTING  
*    VALUE(CODENAME) TYPE  CHAR5  
*    VALUE(NAME) TYPE  CHAR50  
*-----  
  
  data: wa_name type name1.  
  
  select single name1 from kna1 into wa_name where kunnr = code.  
  if sy-subrc = 4.  
    wa_name = 'NOT FOUND'.  
  endif.  
  
  concatenate code '-' WA_NAME into name.  
  
ENDFUNCTION.
```

Function Builder: Change Z_GET_NAME_BY_CODE

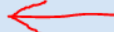
Function module: Z_GET_NAME_BY_CODE Active

Classification

Function Group: Z_PI ZPI Function group

Short Text: Z_GET_NAME_BY_CODE

Processing Type

- Normal Function Module
- Remote-Enabled Module 
- Update Module
- Start immedi.
- Immediate Start, No Restart
- Start Delayed
- Coll.run

General Data

Person Responsible: N4NADMIN

Last Changed By: N4NADMIN

Changed on: 24.05.2017

Package: \$TMP

Program Name: SAPLZ_PI

INCLUDE Name: LZ_PIU02

Original Language: EN

Not released


Edit Lock

Global

SAP APPL 6.18

RFC

Z_GET_NAME_BY_CODE

 **Display RFC (Software component version cannot be changed)**

Name: Z_GET_NAME_BY_CODE

Namespace: urn:sap-com:document:sap:rfc:functions

Software Component Version: SAP APPL 6.18

Description:

Structure WSDL

Sensitive Data

Display Message Type: Request

Search Go

| Name | Category | Type |
|----------------------|----------|------------|
| ▼ Z_GET_NAME_BY_CODE | Element | |
| CODE | Element | xsd:string |



SC_BIT400_A 1.0 of nick4name

Namespace urn:nick4name.eu:BIT400:A:RFC_Lookup

Data Type

DT_Code

Display Data Type

Name: DT_Code
 Namespace: urn:nick4name.eu:BIT400:A:RFC_Lookup
 Software Component Version: SC_BIT400_A 1.0 of nick4name
 Description:

Classification: Free-Style Data Type Qualify Schema: None

Type Definition XSD

| Name | Category | Type | Occurrence | Default |
|---------|--------------|------------|------------|---------|
| DT_Code | Complex Type | | | |
| CODE | Element | xsd:string | 1 | |

Message Type

MT_Code

Display Message Type Status: Active

Name: MT_Code
 Namespace: urn:nick4name.eu:BIT400:A:RFC_Lookup
 Software Component Version: SC_BIT400_A 1.0 of nick4name
 Description:

Name * Namespace *
 Data Type Used: DT_Code urn:nick4name.eu:BIT400:A:RFC_Lookup

XML Namespace: urn:nick4name.eu:BIT400:A:RFC_Lookup

Structure XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details |
|---------|----------|------------|------------|---------|--------------------------|---------|
| MT_Code | Element | DT_Code | | | | |
| CODE | Element | xsd:string | 1 | | <input type="checkbox"/> | |



Service Interface Outbound

SI_Code_DS_out

Display Service Interface Status: Active Displayed Language: Eng

Name: **SI_Code_DS_out**

Namespace: urn:nick4name.eu:BIT400.A:RFC_Lookup

Software Component Version: SC_BIT400_A.1.0 of nick4name

Description:

Definition | WSDL | Matching Service Interfaces | Classifications

Attributes

Category: Outbound

Interface Pattern: Stateless

Security Profile: LOW

Event interface Sensitive Data

Operations

Operation SI_Code_DS_out

Description:

Release State: Not Released

Attributes

Operation Pattern: Normal Operation

Mode: Asynchronous

Messages

| Role | Type | Name | Namespace |
|-----------|--------------|---------|--------------------------------------|
| Request * | Message Type | MT_Code | urn:nick4name.eu:BIT400.A:RFC_Lookup |

SC_BIT400_B 1.0 of nick4name

Namespace urn:nick4name.eu:BIT400.B:RFC_Lookup

Data Type

DT_FullData

Display Data Type Status: Active

Name: **DT_FullData**

Namespace: urn:nick4name.eu:BIT400.B:RFC_Lookup

Software Component Version: SC_BIT400_B.1.0 of nick4name

Description:

Classification: Free-Style Data Type | Quality Schema: None

Type Definition | XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details |
|-------------|--------------|------------|------------|---------|--------------------------|---------|
| DT_FullData | Complex Type | | | | | |
| CODE | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| NAME | Element | xsd:string | 1 | | <input type="checkbox"/> | |



MessageType

MT_FullData

Display Message Type Status **Active**

Name: MT_FullData

Namespace: urn:nick4name.eu:BIT400:B:RFC_Lookup

Software Component Version: SC_BIT400_B 1.0 of nick4name

Description:

Data Type Used: DT_FullData (Namespace: urn:nick4name.eu:BIT400:B:RFC_Lookup)

XML Namespace: urn:nick4name.eu:BIT400:B:RFC_Lookup

Structure XSD

| Name | Category | Type | Occurrence | Default | Deletable | Details |
|-------------|----------|-------------|------------|---------|--------------------------|---------|
| MT_FullData | Element | DT_FullData | | | | |
| CODE | Element | xsd:string | 1 | | <input type="checkbox"/> | |
| NAME | Element | xsd:string | 1 | | <input type="checkbox"/> | |

Service Interface Inbound

SI_CodeFull_DS_inb

Display Service Interface Status **Active** Displayed Language **En**

Name: SI_CodeFull_DS_inb

Namespace: urn:nick4name.eu:BIT400:B:RFC_Lookup

Software Component Version: SC_BIT400_B 1.0 of nick4name

Description:

Definition WSDL Matching Service Interfaces Classifications

Attributes

Category: Inbound

Interface Pattern: Stateless

Security Profile: Low

Event interface Sensitive Data

Operations

Operation SI_CodeFull_DS_inb

Description:

Release State: Not Released

Attributes

Operation Pattern: Normal Operation

Mode: Asynchronous

Messages

| Role | Type | Name | Namespace |
|---------|--------------------|-------------|--------------------------------------|
| Request | Message Type | MT_FullData | urn:nick4name.eu:BIT400:B:RFC_Lookup |
| Fault | Fault Message Type | | |

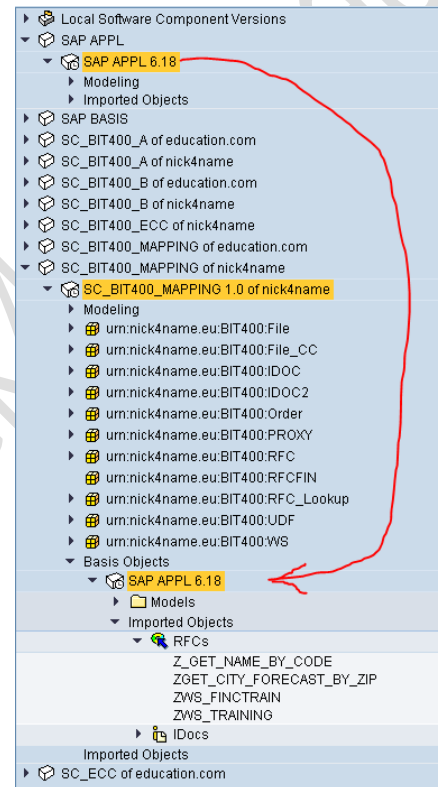
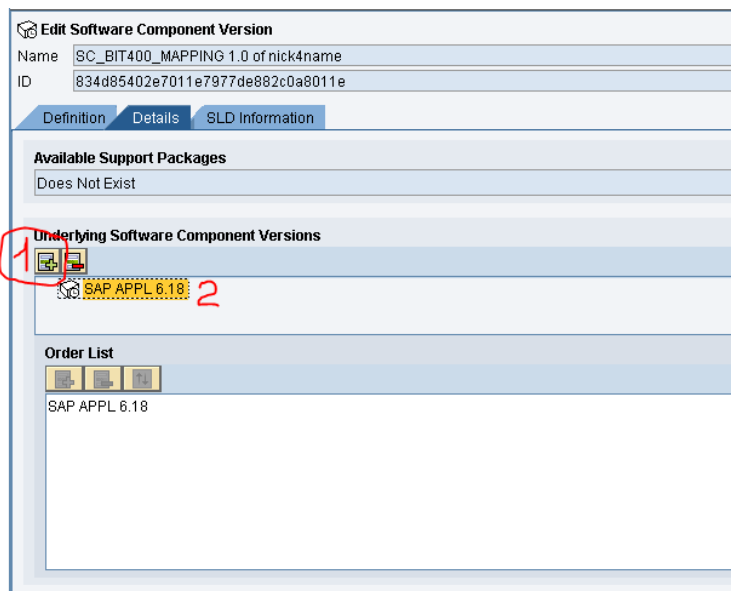


SC_BIT400_MAPPING 1.0 of nick4name

Enterprise Services Builder

Software Component Version

Per "vedere" gli oggetti di un SCV all'interno di un altro in cui quegli oggetti devono essere utilizzati, includere il primo SCV nel secondo



Namespace *urn:nick4name.eu:BIT400:RFC_Lookup*

Message Mapping

MM_LOOKUP

| | |
|----------------|-------------|
| Source Message | MT_Code |
| Target Message | MT_FullData |

Display Message Mapping Status: Active Displayed Language: English (C)

Name: MM_LOOKUP
 Namespace: urn:nick4name.eu:BIT400:RFC_Lookup
 Software Component Version: SC_BIT400_MAPPING 1.0 of nick4name
 Description:

Definition Test Signature Functions

Message Type: MT_Code

| Structure | Occurrences | Type | Descri |
|-----------|-------------|------------|--------|
| MT_Code | 1..1 | p9:DT_Code | |
| CODE | 1..1 | xsd:string | |

Message Type: MT_FullData

| Structure | Occurrences |
|-------------|-------------|
| MT_FullData | 1..1 |
| CODE | 1..1 |
| NAME | 1..1 |

RFC Lookup

Communication Channel: RFC_LKP
 Z_GET_NAME_BY_CODE

| Structure | Value |
|--------------------|-------|
| Z_GET_NAME_BY_CODE | |
| CODE | |

| Structure | Occurrences |
|--------------------------|-------------|
| Z_GET_NAME_BY_CODE.R1..1 | 0..1 |
| CODENAME | 0..1 |
| NAME | 0..1 |

pos Field name

| | |
|---|------|
| 1 | CODE |
|---|------|

pos Field name

| | |
|---|------|
| 1 | NAME |
|---|------|

Use Exception

OK Cancel

Definition Test **Signature** Functions

Source Message(s) *
Software Component Version: SC_BIT400_A 1.0 of nick4name

| Type | Name | Namespace | Occurrence |
|--------------|---------|------------------|------------|
| Message Type | MT_Code | urn:nick4name.e1 | |

Target Message(s) *
Software Component Version: SC_BIT400_B 1.0 of nick4name

| Type | Name | Namespace | Occurrence |
|--------------|-------------|------------------|------------|
| Message Type | MT_FullData | urn:nick4name.e1 | |

Parameters

| Name | Category | Type | Parameter | Description |
|---------|----------|------|-----------|-------------|
| RFC_LKP | Adapter | RFC | Import | |

Operation Mapping

OM_LOOKUP

| | |
|------------------|--------------------|
| Source Operation | SI_Code_DS_out |
| Target Operation | SI_CodeFull_DS_inb |

Display Operation Mapping Status: Active Displayed Language: English (OL)

Name: OM_LOOKUP
Namespace: urn:nick4name.eu:BIT400:RFC_Lookup
Software Component Version: SC_BIT400_MAPPING 1.0 of nick4name
Description:

Definition Test

Source Operation *

| Name | Namespace | Software Component... | Occurrence |
|----------------|--|-----------------------|------------|
| SI_Code_DS_out | urn:nick4name.eu:BIT400:SC_BIT400_A 1.0 of nick4 | | |

Target Operation *

| Name | Namespace | Software Component... | Occurrence |
|--------------------|--|-----------------------|------------|
| SI_CodeFull_DS_inb | urn:nick4name.eu:BIT400:SC_BIT400_B 1.0 of nick4 | | |

Read Operations Parameters... Use SAP XML Toolkit Do Not Resolve XOP Includes Read Attachments

Source Message MT_Code

Mapping Program *

| Type | Name | Namespace | Binding |
|-----------------|-----------|------------------------------|---------|
| Message Mapping | MM_LOOKUP | urn:nick4name.eu:BIT400:RFC_ | |

Target Message MT_FullData

Binding for Message Mapping MM_LOOKUP

Assign operation mapping parameters to the parameters of the message mapping. You can also assign constants to parameters with category **Simple Type** and direction **Import**.

| Message Mapping Parameter | Binding |
|---------------------------|---------|
| RFC_LKP | RFC_LKP |

Parameters
Define the parameters used in the binding of the mapping programs. You assign values to the parameters in the interface

| Name | Category | Type | Parameter | Description |
|---------|----------|------|-----------|-------------|
| RFC_LKP | Adapter | RFC | Import | |



Integration Builder

Configuration Scenario CS_N4N_DS_FILE_to_FILE_LOOKUP

Display Configuration Scenario Status

Configuration Scenario: CS_N4N_DS_FILE_to_FILE_LOOKUP

Description:

ES Repository Model | **Objects** | Configuration Overview

Search [] Go

| Type | Object |
|-------------------------|--|
| Business System | BS_N4N_RECEIVER |
| Business System | BS_N4N_SENDER |
| Business System | BS_V17_800 |
| Communication Channel | BS_N4N_RECEIVER CC_File_LOOKUP_00_RCV |
| Communication Channel | BS_N4N_SENDER CC_File_LOOKUP_00_SND |
| Communication Channel | BS_V17_800 CC_RFC_LOOKUP_00_RCV |
| Receiver Determination | BS_N4N_SENDER SI_Code_DS_out |
| Interface Determination | BS_N4N_SENDER SI_Code_DS_out BS_N4N_RECEIVER |
| Sender Agreement | BS_N4N_SENDER SI_Code_DS_out |
| Receiver Agreement | BS_N4N_SENDER BS_N4N_RECEIVER SI_CodeFull_DS_inb |

Communication Channel Sender

Display Communication Channel Status: Active

Communication Channel: CC_File_LOOKUP_00_SND

Party:

Communication Component: BS_N4N_SENDER

Description:

Parameters | Identifiers | Module

Adapter Type: File | http://sap.com/xi/XI/System | SAP BASIS 7.31

Sender Receiver

Transport Protocol: File System (NFS)

Message Protocol: File

Adapter Engine: Central Adapter Engine

Source | Processing | Advanced

File Access Parameters

Source Directory: \\N4N-NW73\FS_CORSO_PI\Outbound

File Name: FileCodeLookup_00.xml

Advanced Selection for Source File


Additional File(s)

Comm. Channel: CC_File_LOOKUP_00_SND

Comm. Component: BS_N4N_SENDER

Source Directory: [\\N4N-NW73\FS_CORSO_PI\Outbound](#)

File Name: FileCodeLookup_00.xml



FileCodeLookup_00.xml

| Source | Processing | Advanced |
|---|--|----------|
| Processing Parameters | | |
| Quality of Service * | Exactly Once | |
| Poll Interval (secs) * | 60 | |
| Poll Interval (msecs) | | |
| Retry Interval (secs) | | |
| Processing Mode * | Archive | |
| <input checked="" type="checkbox"/> Add Time Stamp | | |
| Archive Directory | \\N4N-NW73\F5_CORSO_PI\Outbound\Archive\ | |
| Empty-File Handling | Do Not Create Message | |
| <input type="checkbox"/> Archive Faulty Source Files | | |
| <input type="checkbox"/> Process Read-Only Files | | |
| Processing Sequence | By Name | |
| File Type * | Binary | |
| Run Operating System Command Before Message Processing | | |
| Command Line | | |
| Timeout (secs) | | |
| <input type="checkbox"/> Terminate Program After Timeout | | |
| Run Operating System Command After Message Processing | | |
| Command Line | | |
| Timeout (secs) | | |
| <input type="checkbox"/> Terminate Program After Timeout | | |
| Duplicate Handling | | |
| <input type="checkbox"/> Enable Duplicate Handling | | |
| Archive Directory: \\N4N-NW73\F5_CORSO_PI\Outbound\Archive\ | | |
| Source | Processing | Advanced |
| Adapter-Specific Message Attributes | | |
| <input checked="" type="checkbox"/> Set Adapter-Specific Message Attributes | | |
| <input checked="" type="checkbox"/> File Name | | |
| <input type="checkbox"/> Directory | | |
| <input type="checkbox"/> File Type | | |
| <input type="checkbox"/> Source File Size | | |
| <input type="checkbox"/> Source File Time Stamp | | |
| Adapter Status | | |
| Status | Active | |
| <input type="checkbox"/> Advanced Mode | | |

Sender Agreement

Display Sender Agreement

Sender

Communication Party: _____

Communication Component: BS_N4N_SENDER

Interface: SI_Code_DS_out

Namespace: urn:nick4name.eu:BIT400:A:RFC_Lookup

Receiver

Communication Party: _____

Communication Component: _____

Description: _____

Parameters | **Assigned Users**

Sender Communication Channel * CC_File_LOOKUP_00_SND

Software Component Version of Sender Interface SC_BIT400_A 1.0 of nick4name

Virus Scan Use Global Configuration

Schema Validation No Validation Validation by Adapter Validation by Integration Engine

Receiver Determination

Sender Interface | SI_Code_DS_out

Display Receiver Determination Status: Active | Displayed Language: En

Sender

Communication Party: _____

Communication Component: BS_N4N_SENDER

Interface: SI_Code_DS_out

Namespace: urn:nick4name.eu:BIT400:A:RFC_Lookup

Receiver

Communication Party: *

Communication Component: *

Description: _____

Configuration Overview

Software Component Version: SC_BIT400_A 1.0 of nick4name

Type of Receiver Determination Standard Extended

Operation-Specific Not Operation-Specific

Configured Receivers

| Rule | Condition | Communication Party | Communication Component * |
|------------|-----------|---------------------|---------------------------|
| Local Rule | | | BS_N4N_RECEIVER |

Configuration Overview for Receiver Determination

Receiver

- BS_N4N_RECEIVER
 - SI_CodeFull_DS_Inb

Objects of Selected Connection

| Type | Object | Description |
|--------------------------------|--|-------------|
| Sender Agreement | BS_N4N_SENDER SI_Code_DS_out | |
| Sender Communication Channel | BS_N4N_SENDER CC_File_LOOKUP_00_SND | |
| Receiver Determination | BS_N4N_SENDER SI_Code_DS_out | |
| Interface Determination | BS_N4N_SENDER SI_Code_DS_out BS_N4N_RECEIVER | |
| Receiver Agreement | BS_N4N_SENDER BS_N4N_RECEIVER SI_CodeFull_DS_Inb | |
| Receiver Communication Channel | BS_N4N_RECEIVER CC_File_LOOKUP_00_RCV | |



Interface Determination


| Operation Mapping | | OM_Material_to_Article | | | | | | | | | | | | | | | | | |
|--|---------------------------------|------------------------|---------------------------------|--------------|-------------------------------------|--------|-------------|--------------|------------|--|-----------|--------------------|---------------------------------|--|-------------------------------------|------|-------|---------|---------------------------------|
| <p>Display Interface Determination Status: Active Displayed Language: English (OL)</p> <p>Sender</p> <p>Communication Party: _____</p> <p>Communication Component: BS_N4N_SENDER</p> <p>Interface: SI_Code_DS_out</p> <p>Namespace: urn:nick4name.eu:BIT400:ARFC_Lookup</p> <p>Receiver</p> <p>Communication Party: _____</p> <p>Communication Component: BS_N4N_RECEIVER</p> <p>Description: _____</p> <p>Software Component Version of Sender Interface: SC_BIT400_A.1.0 of nick4name</p> <p><input type="checkbox"/> Maintain Order at Runtime</p> <p>Operation: SI_Code_DS_out</p> <p>Receiver Interfaces *</p> <table border="1"> <thead> <tr> <th>Condition</th> <th>Operation Mapping</th> <th>Name *</th> <th>Namespace *</th> <th>Multiplicity</th> <th>Parameters</th> </tr> </thead> <tbody> <tr> <td></td> <td>OM_LOOKUP</td> <td>SI_CodeFull_DS_inb</td> <td>urn:nick4name.eu:BIT400:B:RFC_1</td> <td></td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table> <p>Parameter of Operation Mapping: OM_LOOKUP urn:nick4name.eu:BIT400:RFC_Lookup</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>RFC_LKP</td> <td> BS_V17_800 CC_RFC_LOOKUP_00_RCV</td> </tr> </tbody> </table> | | | | Condition | Operation Mapping | Name * | Namespace * | Multiplicity | Parameters | | OM_LOOKUP | SI_CodeFull_DS_inb | urn:nick4name.eu:BIT400:B:RFC_1 | | <input checked="" type="checkbox"/> | Name | Value | RFC_LKP | BS_V17_800 CC_RFC_LOOKUP_00_RCV |
| Condition | Operation Mapping | Name * | Namespace * | Multiplicity | Parameters | | | | | | | | | | | | | | |
| | OM_LOOKUP | SI_CodeFull_DS_inb | urn:nick4name.eu:BIT400:B:RFC_1 | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | |
| Name | Value | | | | | | | | | | | | | | | | | | |
| RFC_LKP | BS_V17_800 CC_RFC_LOOKUP_00_RCV | | | | | | | | | | | | | | | | | | |

Receiver Agreement

| Display Receiver Agreement | | Status | Active |
|--|--|--------|--------|
| <p>Sender</p> <p>Communication Party: _____</p> <p>Communication Component: BS_N4N_SENDER</p> <p>Receiver</p> <p>Communication Party: _____</p> <p>Communication Component: BS_N4N_RECEIVER</p> <p>Interface: SI_CodeFull_DS_inb</p> <p>Namespace: urn:nick4name.eu:BIT400:B:RFC_Lookup</p> <p>Description: _____</p> <p>Receiver Communication Channel * CC_File_LOOKUP_00_RCV</p> <p>Software Component Version of Receiver Interface: SC_BIT400_B.1.0 of nick4name</p> <p>Virus Scan: Use Global Configuration</p> <p>Schema Validation: <input type="checkbox"/> Validation by Integration Engine</p> <p>Header Mapping</p> <p><input type="checkbox"/> Sender Communication Party</p> <p><input type="checkbox"/> Sender Communication Component</p> <p><input type="checkbox"/> Receiver Communication Party</p> <p><input type="checkbox"/> Receiver Communication Component</p> | | | |



Communication Channel Receiver

| Display Communication Channel | | Status |
|--|--------------------------------|---|
| Communication Channel | CC_File_LOOKUP_00_RCV | Active |
| Party | | |
| Communication Component | BS_N4N_RECEIVER | |
| Description | | |
| <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> Parameters Identifiers Module </div> | | |
| Adapter Type * | File | http://sap.com/xi/XI/System |
| <input type="radio"/> Sender <input checked="" type="radio"/> Receiver | | |
| Transport Protocol * | File System (NFS) | |
| Message Protocol * | File | |
| Adapter Engine * | Central Adapter Engine | |
| <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> Target Processing Advanced </div> | | |
| File Access Parameters | | |
| Target Directory * | \\N4N-NW73\F5_CORSO_PI\Inbound | |
| <input type="checkbox"/> Create Target Directory | | |
| File Name Scheme * | FileCodeFullLookup_00.xml | |
| Comm. Chan.: | CC_File_LOOKUP_00_RCV |  FileCodeFullLooku p.xml |
| Target Dir. : | \\N4N-NW73\F5_CORSO_PI\Inbound | |
| File Name Sch.: | FileCodeFullLookup_00.xml | |



Scenario WS_to_RFC

Customizing lato ECC

Function Builder [SE37]

```
FUNCTION Z_GET_NAME_COMPLETE.  
*-----  
*""Local Interface:  
*  IMPORTING  
*    VALUE (NAME) TYPE  STRING  
*    VALUE (SURNAME) TYPE  STRING  
*  EXPORTING  
*    VALUE (FULLNAME) TYPE  STRING  
*-----  
  
  CONCATENATE NAME '-' SURNAME INTO FULLNAME.  
  
ENDFUNCTION.
```

Customizing lato ESB

RFC

Z_GET_NAME_COMPLETE

Import struttura RFC



Edit Software Component Version

Name: SAP APPL 6.18
 ID: 0050568f0aac1ed2a5db322e2c5f6bd2

Definition | Details | SLD Information

Object Properties

Objects Are Original Objects
 Use of Interface Objects
 Original Language * English
 Permitted Target Languages for Translations
 Uses External Documentation

Objects Are Modifiable
 SAP NetWeaver 7.1

Interface Import

Connection Data for Import from SAP System

System: butvm17
 Client: 800
 Message Server:
 Group:

Design Objects | Change Lists

- Local Software Component Versions
 - SAP APPL
 - SAP APPL 6.18
 - Modeling
 - Imported Objects
 - RFCs
 - Z_G Import of SAP Objects
 - ZGET_CITY_FORECAST_BY_ZIP
 - ZWS_FINCTRAIN
 - ZWS_TRAINING
 - IDocs
- SAP BASIS
- SC_BIT400_A of education.com

Import from SAP System butvm17 (Client 800)

1. Logon
 2. Select Objects
 3. Execute Import

Logon

SAP System: butvm17 (Client 800)

Connection Data

According to Software Component Version
 Overwrite Server Information Temporarily

Application Server *: butvm17
 System Number *: 10

User

Name *: n4nadmin
 Password *:

Back | Continue | Finish | Cancel

Different Systems

System **V17** is running on the specified application server. However, source system **butvm17** is specified in software component version **SAP APPL 6.18**. Do you want to disconnect?

Separate | Continue

Import from SAP System butvm17 (Client 800)

1. Logon
 2. Select Objects
 3. Execute Import

Select Objects

Objects | Component Hierarchy

- Z_CREATE_PO
- Z_DLS_TEST
- Z_EVENT_RULES_PA0000
- Z_EVENT_RULES_PA0001
- Z_F4_CALL
- Z_FSCM_INPUT_PDF
- Z_GET_NAME_BY_CODE
- Z_GET_NAME_COMPLETE
- Z_GET_POINTS
- Z_IMAGE_UPLOAD
- Z_IMG_CALL_BATCH
- Z_IMG_CHECK
- Z_IMG_FETCH_DATA2
- Z_IMG_GET_TIMESTAMP

Back | Continue | Finish | Cancel

- SAP APPL
 - SAP APPL 6.18
 - Modeling
 - Imported Objects
 - RFCs
 - Z_GET_NAME_BY_CODE
 - Z_GET_NAME_COMPLETE
 - ZGET_CITY_FORECAST_BY_ZIP
 - ZWS_FINCTRAIN
 - ZWS_TRAINING
 - IDocs
- SAP BASIS
- SC_BIT400_A of education.com



SC_BIT400_A 1.0 of nick4name

Namespace urn:nick4name.eu:BIT400:A:WS_RFC

External Definition

ED_WSDL

The screenshot shows the 'Display External Definition' window for 'ED_WSDL'. The 'Name' field is 'ED_WSDL', the 'Namespace' is 'urn:nick4name.eu:BIT400:A:WS_RFC', and the 'Software Component Version' is 'SC_BIT400_A 1.0 of nick4name'. The 'Category' is set to 'WSDL' and 'Messages' is selected. The 'File' is 'ZWS_TRAINING.wsdl'. Below the configuration, the WSDL XML is displayed:

```
<wSDL:definitions xmlns:wSDL="http://schemas.xmlsoap.org/wsdl/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:tns="urn:sap-com:document:sap:soap:functions:mc-style" xmlns:ht="urn:sap-com:document:sap:soap:functions:mc-style" targetNamespace="urn:sap-com:document:sap:soap:functions:mc-style">
  <wSDL:types>
    <xsd:schema xmlns:tns="urn:sap-com:document:sap:soap:functions:mc-style" targetNamespace="urn:sap-com:document:sap:soap:functions:mc-style" elementFormDefault="unqualified" >
      <xsd:element name="Zn4nGetNameComplete"/>
    </xsd:schema>
  </wSDL:types>
</wSDL:definitions>
```

Service Interface outbound

SI_Person_WS_DS_out

The screenshot shows the 'Edit Service Interface' window for 'SI_Person_WS_DS_out'. The 'Name' is 'SI_Person_WS_DS_out', the 'Namespace' is 'urn:nick4name.eu:BIT400:B:WS', and the 'Software Component Version' is 'SC_BIT400_B 1.0 of nick4name'. The 'Category' is 'Outbound', 'Interface Pattern' is 'Stateless', and 'Security Profile' is 'Low'. Under 'Operations', 'Operation SI_Person_WS_DS_out' is defined with a 'Release State' of 'Not Released', 'Operation Pattern' of 'Normal Operation', and 'Mode' of 'Synchronous'. The 'Messages' table is as follows:

| Role | Type | Name | Namespace |
|------------|--------------------|-----------------------------|--|
| Request * | External Message | Zn4nGetNameComplete | urn:sap-com:document:sap:soap:functions:mc-style |
| Response * | External Message | Zn4nGetNameCompleteResponse | urn:sap-com:document:sap:soap:functions:mc-style |
| Fault | Fault Message Type | | |

A 'Select External Message' dialog box is open, showing the selection of 'Zn4nGetNameCompleteResponse' from the 'urn:sap-com:document:sap:soap:functions:mc-style' namespace. Red arrows in the original image point from the dialog to the 'Request' and 'Response' rows in the messages table.

La service interface è *sincrona* e riferisce le interfacce di request e response del WSDL Zn4nGetNameComplete.



SC_BIT400_MAPPING 1.0 of nick4name

Namespace urn:nick4name.eu:BIT400:WS_RFC

Message Mapping request

MM_WS_to_RFC

| | |
|----------------|---|
| Source Message | ED_WSDL : Zn4nGetNameComplete |
| Target Message | Z_GET_NAME_COMPLETE : Z_GET_NAME_COMPLETE |

Display Message Mapping Status Active Displayed Language English (OL)

Name MM_WS_to_RFC
 Namespace urn:nick4name.eu:BIT400:WS
 Software Component Version SC_BIT400_MAPPING 1.0 of nick4name
 Description

Definition Test Signature Functions

External Message: Zn4nGetNameComplete

| Structure | Occurrences | Type | Description |
|---------------------|-------------|------------|-------------|
| Zn4nGetNameComplete | 1..1 | | |
| Name | 1..1 | xsd:string | |
| Surname | 1..1 | xsd:string | |

RFC Message: Z_GET_NAME_COMPLETE

| Structure | Occurrences | Type | Description |
|---------------------|-------------|------------|-------------|
| Z_GET_NAME_COMPLETE | 1..1 | | |
| Name | 1..1 | xsd:string | |
| SURNAME | 1..1 | xsd:string | |

Message Mapping response

MM_WS_to_RFC_response

| | |
|----------------|--|
| Source Message | Z_GET_NAME_COMPLETE : Z_GET_NAME_COMPLETE.Response |
| Target Message | ED_WSDL : Zn4nGetNameCompleteResponse |

Display Message Mapping Status Active Displayed Language English (OL)

Name MM_WS_to_RFC_response
 Namespace urn:nick4name.eu:BIT400:WS
 Software Component Version SC_BIT400_MAPPING 1.0 of nick4name
 Description

Definition Test Signature Functions

RFC Message: Z_GET_NAME_COMPLETE Response

| Structure | Occurrences | Type | Description |
|------------------------------|-------------|------------|-------------|
| Z_GET_NAME_COMPLETE Response | 1..1 | | |
| FULLNAME | 0..1 | xsd:string | |

External Message: Zn4nGetNameCompleteResponse

| Structure | Occurrences | Type | Description |
|-----------------------------|-------------|------------|-------------|
| Zn4nGetNameCompleteResponse | 1..1 | | |
| FullName | 1..1 | xsd:string | |



Operation Mapping

OM_WS_to_RFC

| | |
|------------------|---------------------|
| Source Operation | SI_Person_WS_DS_out |
| Target Operation | Z_GET_NAME_COMPLETE |

Lato request

The screenshot shows the 'Display Operation Mapping' window for 'OM_WS_to_RFC'. The 'Request' tab is active, showing the 'Source Message' as 'Zn4nGetNameComplete' and the 'Target Message' as 'Z_GET_NAME_COMPLETE'. The 'Mapping Program' is 'MM_WS_to_RFC'. The 'Request' label is circled in red.

Lato response

The screenshot shows the 'Display Operation Mapping' window for 'OM_WS_to_RFC'. The 'Response' tab is active, showing the 'Source Message' as 'Zn4nGetNameCompleteResponse' and the 'Target Message' as 'Z_GET_NAME_COMPLETE.Response'. The 'Response' label is circled in red.

Integration Builder

Configuration Scenario CS_N4N_DS_WS_to_RFC


The screenshot shows the 'Display Configuration Scenario' window for 'CS_N4N_DS_WS_to_RFC'. The 'Configuration Overview' tab is active, displaying a table of objects:

| Type | Object | Description |
|-------------------------|---|-------------|
| Business System | BS_V17_800 | |
| Business Component | BC_N4N_CONSUMER | |
| Communication Channel | BC_N4N_CONSUMER CC_WS_RFC_00_SND | |
| Communication Channel | BS_V17_800 CC_RFC_LOOKUP_00_RCV | |
| Receiver Determination | BC_N4N_CONSUMER SI_Person_WS_DS_out | |
| Interface Determination | BC_N4N_CONSUMER SI_Person_WS_DS_out BS_V17_800 | |
| Sender Agreement | BC_N4N_CONSUMER SI_Person_WS_DS_out | |
| Receiver Agreement | BC_N4N_CONSUMER BS_V17_800 Z_GET_NAME_COMPLETE | |



Communication Channel Sender

CC_WS_RFC_00_SND

| Display Communication Channel | | Status |
|--|------------------------|--|
| Communication Channel | CC_WS_RFC_00_SND | Active |
| Party | | |
| Communication Component | BC_N4N_CONSUMER | |
| Description | | |
| <div style="display: flex; justify-content: space-between;"> Parameters Identifiers Module </div> | | |
| Adapter Type * | SOAP | http://sap.com/xi/XI/System |
| | | SAP BASIS 7.31 |
| <input checked="" type="radio"/> Sender <input type="radio"/> Receiver | | |
| Transport Protocol * | HTTP | |
| Message Protocol * | SOAP 1.1 | |
| Adapter Engine * | Central Adapter Engine | |
| <div style="display: flex; justify-content: space-between;"> General Advanced </div> | | |
| Inbound Security Checks HTTP Security Level * HTTP | | |
| Security Parameters <input type="checkbox"/> Select Security Profile | | |
| Conversion Parameters <input type="checkbox"/> Do Not Use SOAP Envelope <input type="checkbox"/> Keep Headers <input type="checkbox"/> Keep Attachments <input type="checkbox"/> Use Encoded Headers <input type="checkbox"/> Use Query String | | |
| Processing Parameters Quality of Service * Best Effort | | |
| Comm. Channel: CC_WS_RFC_00_SND Comm. Component: BC_N4N_CONSUMER | |  SI_Person_WS_DS_o utService.wsdl |

Sender Agreement

Display Sender Agreement Status **Active**

Sender

Communication Party: _____

Communication Component: BC_N4N_CONSUMER

Interface: SI_Person_WS_DS_out

Namespace: urn:nick4name.eu:BIT400:B:WS


Receiver


Communication Party: _____


Communication Component: _____

Description: _____

Parameters | **Assigned Users**

Sender Communication Channel * CC_WS_RFC_00_SND 

Software Component Version of Sender Interface SC_BIT400_B 1.0 of nick4name 

Virus Scan Use Global Configuration 

Schema Validation No Validation Validation by Adapter Validation by Integration Engine

Adapter-Specific Attributes

Principal Propagation Properties

Propagate Principal

Metering of Service Calls



Receiver Determination

Display Receiver Determination Status: Active Displayed Language: English

Sender

Communication Party: _____
 Communication Component: BC_N4N_CONSUMER
 Interface: SI_Person_WS_DS_out
 Namespace: urn:nick4name.eu:BIT400:BWS

Receiver

Communication Party: *
 Communication Component: *
 Description: _____

Contents Configuration Overview

Software Component Version: SC_BIT400_B.1.0 of nick4name

Type of Receiver Determination: Standard Extended

Operation-Specific Not Operation-Specific

Configured Receivers

Rule Search [] Go

| Rule | Condition | Communication Party | Communication Component * |
|------------|-----------|---------------------|---------------------------|
| Local Rule | | | BS_V17_800 |

Contents Configuration Overview

Configuration Overview for Receiver Determination

Receiver /

- BS_V17_800
 - Z_GET_NAME_COMPLETE

Objects of Selected Connection

| Type | Object | Description |
|--------------------------------|---|-------------|
| Sender Agreement | [BC_N4N_CONSUMER SI_Person_WS_DS_out] | |
| Sender Communication Channel | [BC_N4N_CONSUMER CC_WS_RFC_00_SND | |
| Receiver Determination | [BC_N4N_CONSUMER SI_Person_WS_DS_out | |
| Interface Determination | [BC_N4N_CONSUMER SI_Person_WS_DS_out BS_V17_800 | |
| Receiver Agreement | [BC_N4N_CONSUMER BS_V17_800 Z_GET_NAME_COMPLETE | |
| Receiver Communication Channel | [BS_V17_800 CC_RFC_LOOKUP_00_RCV | |

Interface Determination

Display Interface Determination Status: Active Displayed Language: English (OL)

Sender

Communication Party: _____
 Communication Component: BC_N4N_CONSUMER
 Interface: SI_Person_WS_DS_out
 Namespace: urn:nick4name.eu:BIT400:BWS

Receiver

Communication Party: _____
 Communication Component: BS_V17_800
 Description: _____

Software Component Version of Sender Interface: SC_BIT400_B.1.0 of nick4name

Maintain Order at Runtime

Operation: SI_Person_WS_DS_out

Receiver Interfaces *

| Condition | Operation Mapping | Name * | Namespace * | Multiplicity | Parameters |
|-----------|-------------------|---------------------|-------------------------------------|--------------|--------------------------|
| | OM_WS_to_RFC | Z_GET_NAME_COMPLETE | urn:sap-com:document:sap.rfc:func11 | | <input type="checkbox"/> |



Receiver Agreement

Display Receiver Agreement Status: Active

Sender

Communication Party: _____
 Communication Component: BC_N4N_CONSUMER

Receiver

Communication Party: _____
 Communication Component: BS_V17_800
 Interface: Z_GET_NAME_COMPLETE
 Namespace: urn:sap-com:document:sap:rfc:functions
 Description: _____

Receiver Communication Channel * CC_RFC_LOOKUP_00_RCV

Software Component Version of Receiver Interface: SAP APPL 6.18
 Virus Scan: Use Global Configuration
 Schema Validation: Validation by Integration Engine

Header Mapping

Sender Communication Party
 Sender Communication Component
 Receiver Communication Party
 Receiver Communication Component

Adapter-Specific Attributes

Principal Propagation Properties

Propagate Principal

Communication Channel Receiver

CC_RFC_LOOKUP_00_RCV

Display Communication Channel Status: Active

Communication Channel: CC_RFC_LOOKUP_00_RCV
 Party: _____
 Communication Component: BS_V17_800
 Description: _____

Parameters | Identifiers | Module

Adapter Type * RFC | http://sap.com/xi/XI/System | SAP BASIS 7.31

Sender Receiver

Transport Protocol * RFC
 Message Protocol * RFC (RFC XML)
 Adapter Engine * Central Adapter Engine

Target | Advanced

RFC Client Parameter

RFC Server Type: SAP System
 Load Balancing
 Application Server * butvm17
 System Number * 10
 Authentication Mode * Use Logon Data for SAP System
 Logon User * N4NRFCSERV
 Logon Password *
 Logon Language * en
 Logon Client * 800
 Maximum Connections: 1
 Advanced Mode

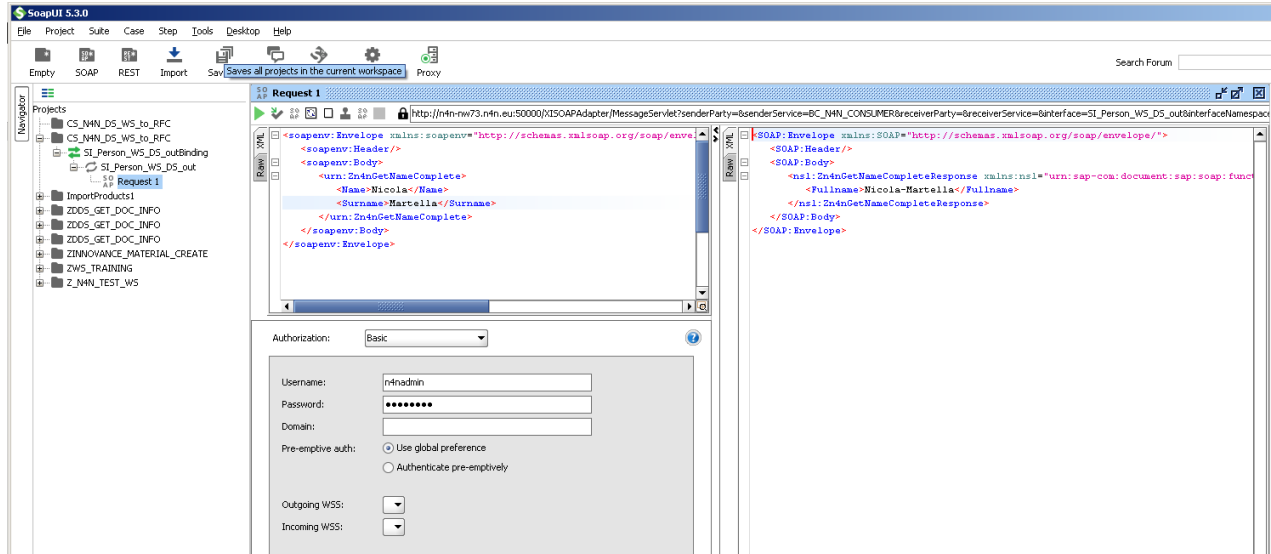
RFC Metadata Repository Parameter

Use Alternative RFC Metadata Repository



Test con SoapUi

Creare un progetto importando il wsdl **SI_Person_WS_DS_outService.wsdl**.



http://n4n-nw73.n4n.eu:50000/XISOAPAdapter/MessageServlet?senderParty=&senderService=BC_N4N_CONSUMER&receiverParty=&receiverService=&interface=SI_Person_WS_DS_out&interfaceNamespace=urn:nick4name.eu:BIT400:B:WS

