

## Communication Scenario Guide

SAP S/4Hana

Document Version: 1.0 – February 2017

# Customer Settings: Foundation Master Data Integration (SAP\_COM\_0114)

Scope Item **XXX**

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# 1 Purpose

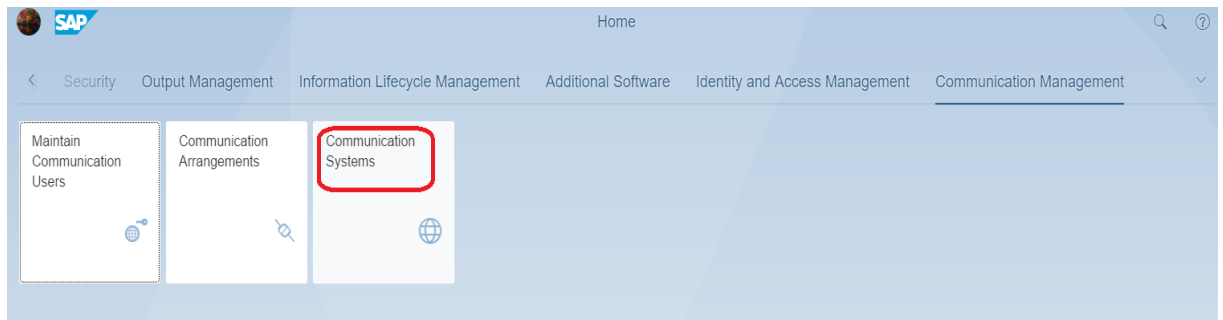
The purpose of this document is to describe how to set up Master Data integration for Currency, Currency Conversion, Incoterm, Material Group, Item Category, Region, Unit of Measure (SAP\_COM\_0114).

## 2 Pre-Requisites

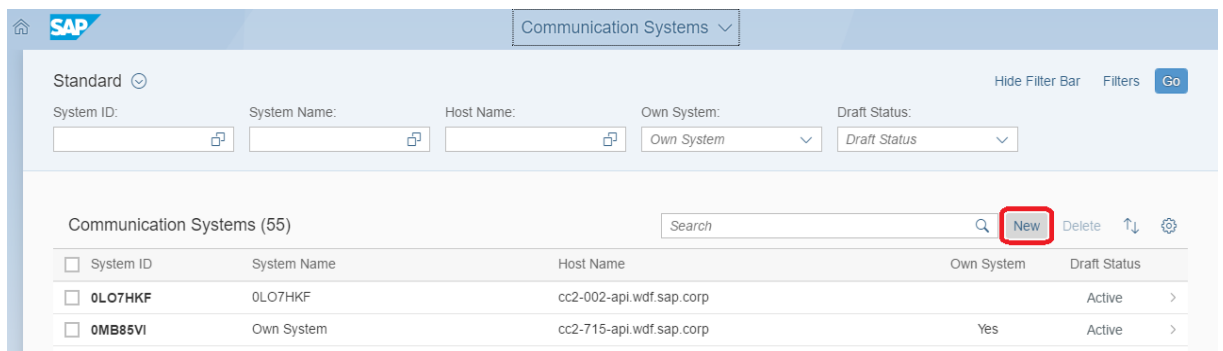
Administrator user should have the catalog role ID 'SAP\_BR\_ADMINISTRATOR' assigned in SAP S/4HANA system.

## 3 Communication System

- 1) Access the SAP S/4HANA system and log in as an Administrator.
- 2) Choose Communication Systems from Communication Management catalog.



- 3) In the next window that appears, click on New and the following screen appears.



- 4) Enter the System ID as per your wish. Optionally you can enter the System ID to recognize the integration system, which is connected with S4 system. Enter any descriptive name in the System Name field. Click on Create.

The screenshot shows the SAP Communication Systems list. A modal dialog titled "New Communication System" is open, prompting for a System ID and System Name. The background table lists various systems, including 0LO7HKF, 0MB85VI, 0MB875N, 715, ABC\_TEST, AMAZONSES, AMAZONSQS, ARIBA, CC2, CC2\_002, CC2\_002\_TEST, and CC2\_715.

System ID	System Name	Host Name	Own System	Draft Status
0LO7HKF	0LO7HKF			Active
0MB85VI	Own System		Yes	Active
0MB875N	SAP Hybris C4C E			Active
715	CC2_API			Active
ABC_TEST	test			Draft
AMAZONSES	Amazon_SES			Active
AMAZONSQS	Amazon_SQS	sqs.eu-west-1.amazonaws.com		Active
ARIBA	ARIBA	service.ariba.com		Active
CC2	715	test change record API		Active
CC2_002	CC2_RAH	cc2-002-api.wdf.sap.corp		Active
CC2_002_TEST	CC2_002	cc2-002-api.wdf.sap.corp		Active
CC2_715	CC2_715	cc2-715-api.wdf.sap.corp		Active

The screenshot shows the detail page for the Communication System "ZTEST\_COM\_SYS". It is currently in "Draft" status. The page includes sections for General Data and Technical Data.

**General Data**

\*System Name: ZTEST\_COM\_SYS

Notes: [Empty text area]

**Technical Data**

**General**

\*Host Name: [Empty text field]

Business System: [Empty text field]

Log System ID: [Empty text field]

**SAP System**

[Radio button] NO

- 5) In the Host Name field, enter the SAP Runtime URL without HTTPS://
- 6) Enter the Log System ID as the SAP tenant ID.
- 7) Enter the Business System ID as the SAP tenant ID.
- 8) User for Outbound Communication: Click on Add.

User for Outbound Communication	
Authentication Method	User Name/Certificate
No data	

- 9) Enter the details (User Name and Password) of the outbound user which will be used to connect to the target system (Communication System). Click on Create.

### New Outbound User

\*Authentication Method User Name and Password

\*User Name

\*Password

Create Cancel

- 10) Choose Save.

SAP

Communication System

#### Contact Information

Contact Person Name  Phone Number

E-Mail

#### OAuth 2.0 Identity Provider

Enabled ☐

#### User for Inbound Communication

Authentication Method	User Name
No data	

#### User for Outbound Communication

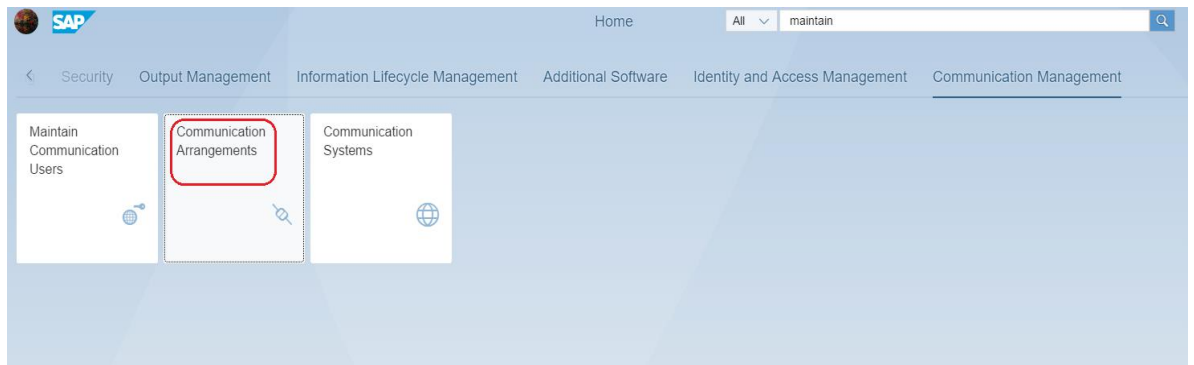
Authentication Method	User Name/Certificate
User Name and Password	

Save Cancel

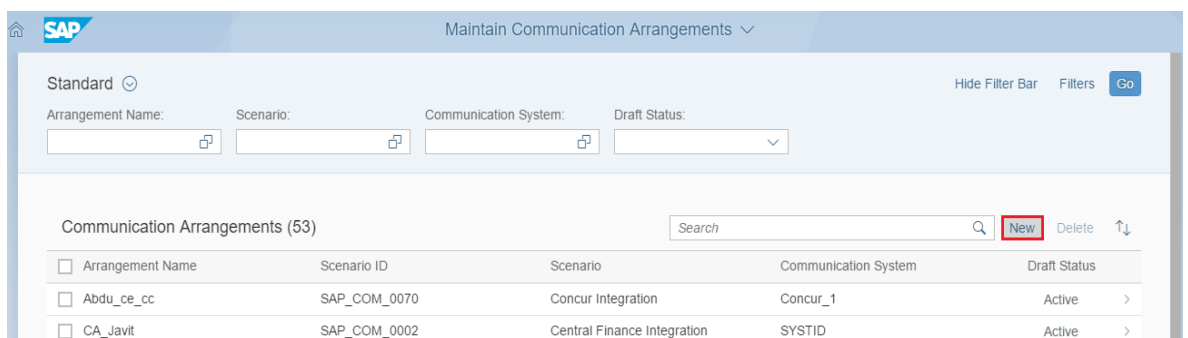
# 4 Communication Arrangement

## Procedure

- 1) Log on to the Fiori Launchpad and open the application Communication Arrangements.



- 2) Click New.

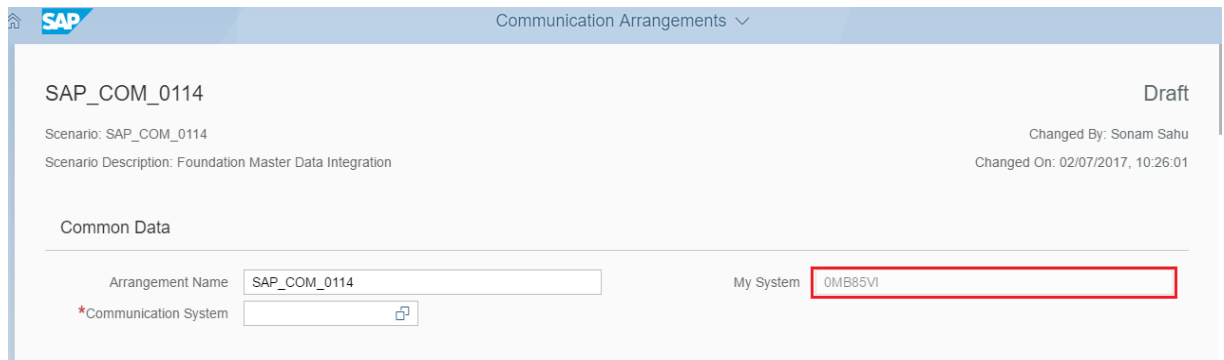


- a. Choose the scenario SAP\_COM\_0114 from the value help.
- b. Enter a Communication Arrangement Name.
- c. Click Create.

3) Choose Communication System (created in the previous step as per section 3) from the value help.

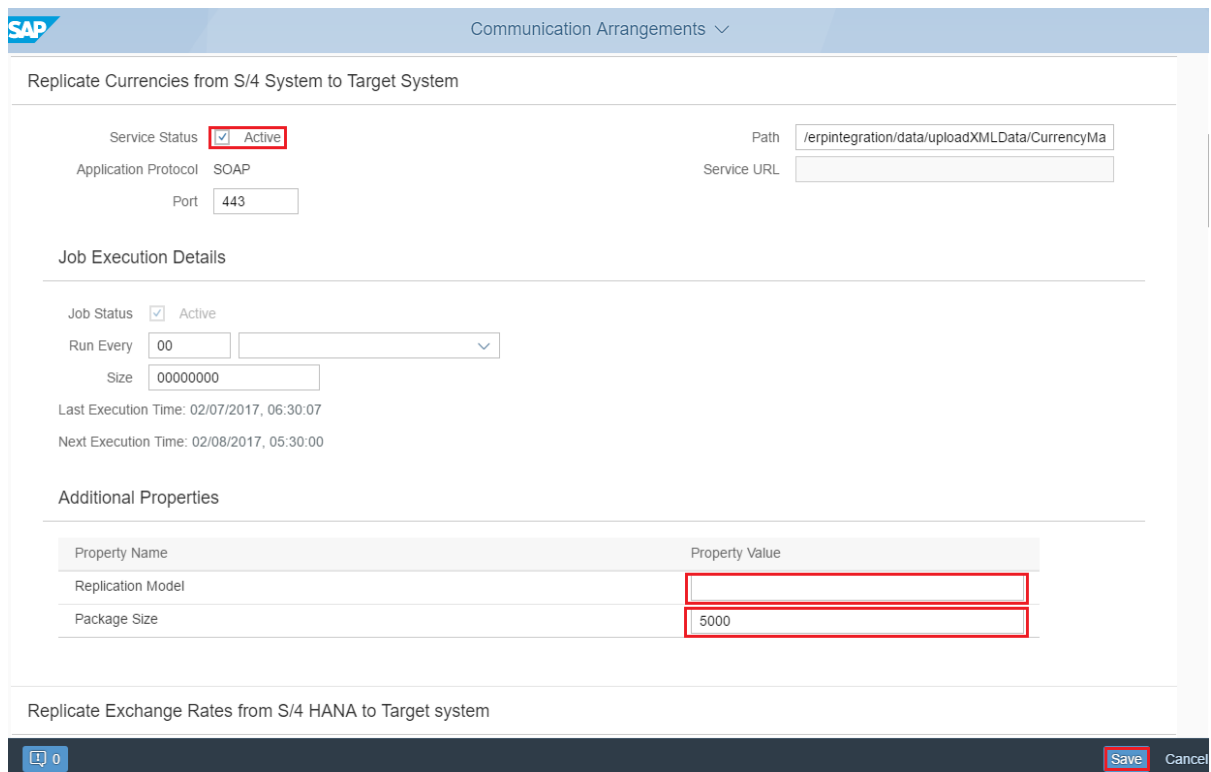
4) Under Outbound Communication, Choose User Name using value help. By default, the user which is associated with Communication System will be shown in the value help. Choose the same and the Authentication Method is defaulted with the same authentication method associated with this user.

- 5) Note down the S/4HANA tenant ID which is displayed with My System field. This will be used in the target integration systems, in the fields like System Instance ID, Business System ID while defining the communication system in SAP ERP.



The screenshot shows the 'Communication Arrangements' page in SAP. The title bar includes the SAP logo and a dropdown menu for 'Communication Arrangements'. The main content area is titled 'SAP\_COM\_0114' and is in 'Draft' status. It shows the scenario 'SAP\_COM\_0114' and its description 'Foundation Master Data Integration'. The 'Common Data' section contains fields for 'Arrangement Name' (SAP\_COM\_0114), 'My System' (OMB85VI), and a 'Communication System' field with a plus icon. The 'My System' field is highlighted with a red box.

- 6) Under Outbound Services, for example Currencies you must select the Service Status field of section Replicate Currencies from S/4 System to Target System to make the service Active.



The screenshot shows the 'Replicate Currencies from S/4 System to Target System' section. It includes fields for 'Service Status' (checked, Active), 'Path' (/erpintegration/data/uploadXMLData/CurrencyMa), 'Application Protocol' (SOAP), 'Port' (443), and 'Service URL'. The 'Job Execution Details' section shows 'Job Status' (checked, Active), 'Run Every' (00), 'Size' (00000000), 'Last Execution Time' (02/07/2017, 06:30:07), and 'Next Execution Time' (02/08/2017, 05:30:00). The 'Additional Properties' section is a table with two columns: 'Property Name' and 'Property Value'. It contains two rows: 'Replication Model' and 'Package Size' (5000). The 'Replication Model' and 'Package Size' fields are highlighted with red boxes. At the bottom, there is a 'Replicate Exchange Rates from S/4 HANA to Target system' section and a 'Save' button highlighted with a red box.

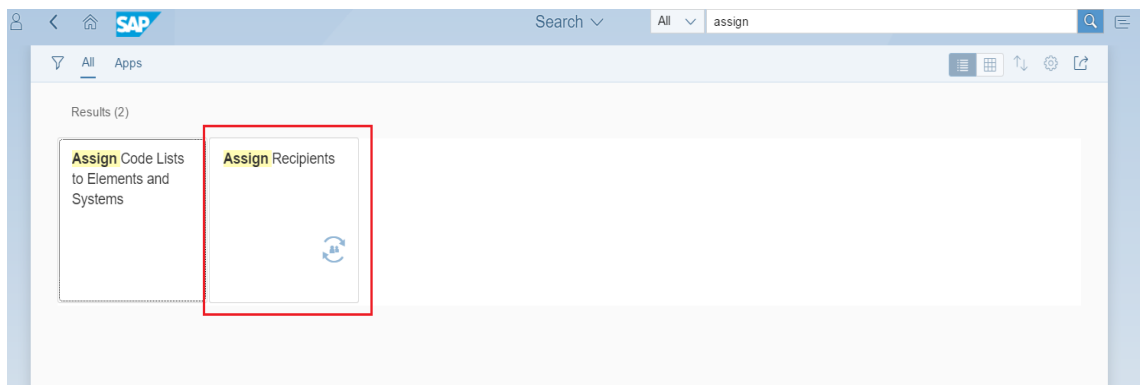
- 7) Under Additional Properties, in the Replication Model field, enter the name of any replication model that you wish to create for this Outbound Service.  
8) Enter the value for field Package Size (Recommended Package Size is 9999).  
9) Click on Save.



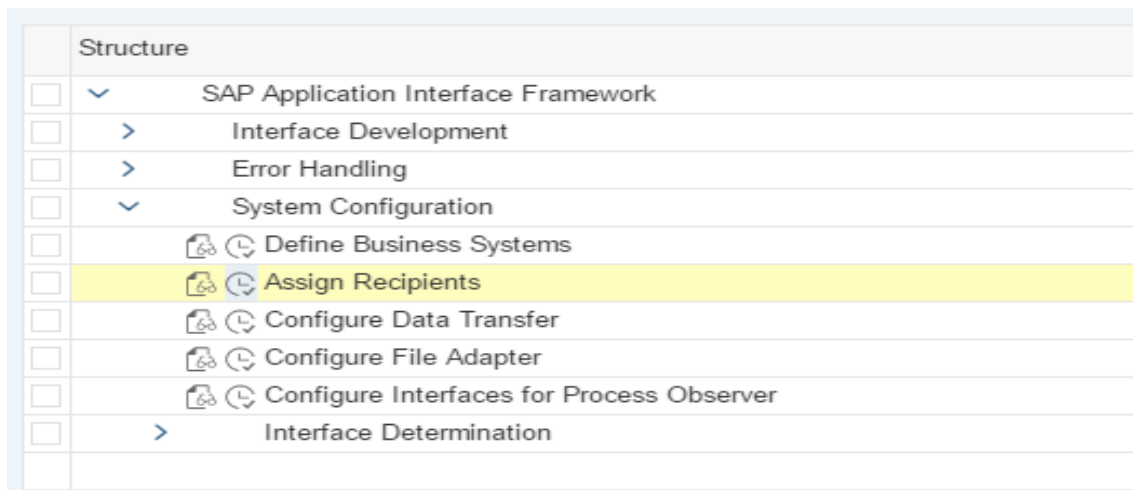
# 5 AIF Message Monitoring in SAP S/4HANA

## 5.1 Assign Recipients

- 1) Access the Fiori Launchpad and log in with your User.
- 2) Choose 'Assign Recipients' Application.



- 3) Select Assign Recipients as shown below.



- 4) A pop-up will appear and enter the namespace as “/FDMD” and Recipient for Alert as “FND\_MD”.
- 5) Click Ok.
- 6) Assign the users to this recipient which will be responsible for Message Monitoring.
- 7) Click Save.

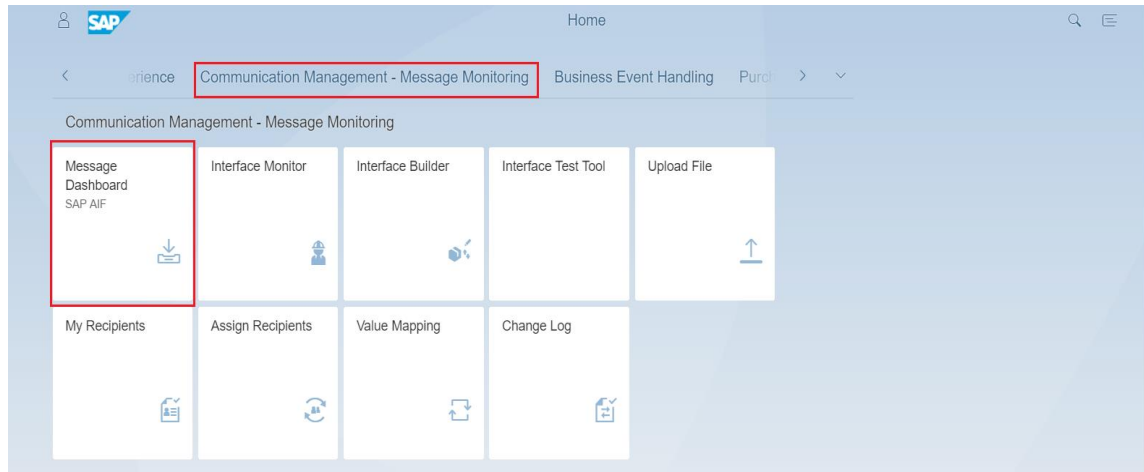
## 5.2 Monitor Messages

### Purpose

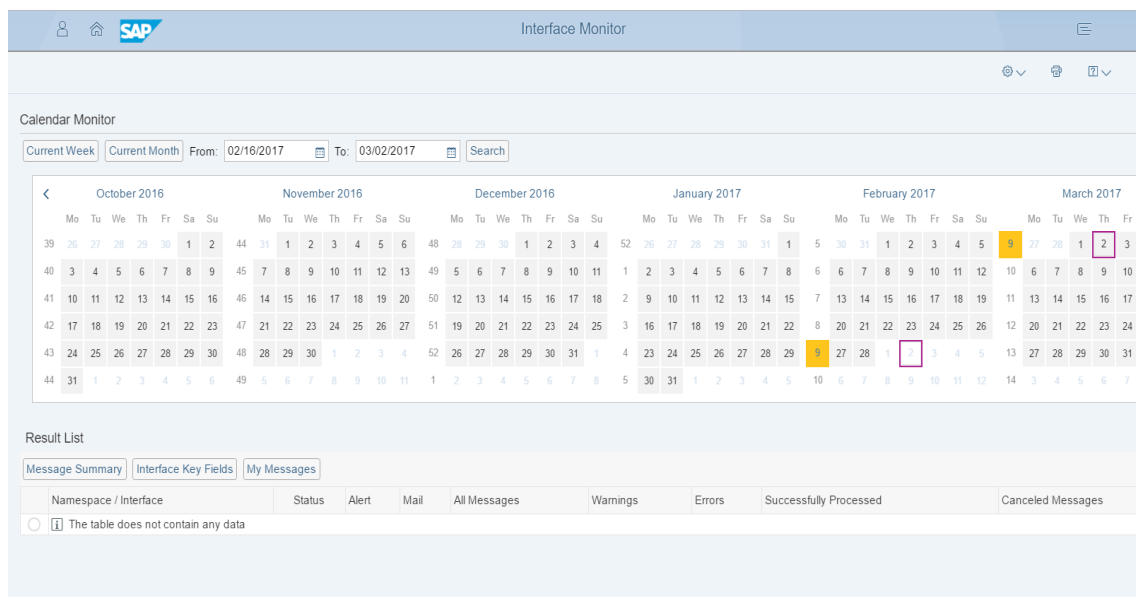
The procedure describes how to monitor the inbound and outbound messages into SAP S/4HANA system.

## Procedure

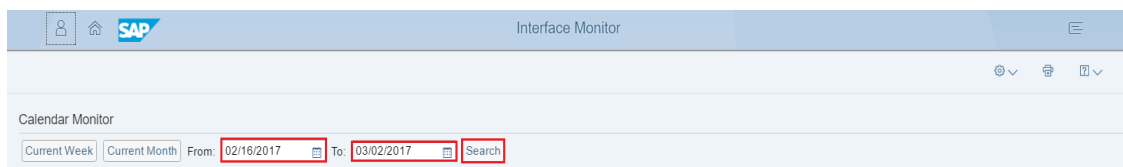
- 1) Access the Fiori Launchpad and log in with your User.
- 2) Choose Application 'Message Dashboard SAP IAF' under catalog 'Communication Management-Message Monitoring'.



- 3) The 'Interface Monitor' page launches.



- 4) Use the 'Calendar Monitor' to select the date range to view the triggered messages and choose Search.



- 5) In the 'Result List', view the messages and check for the log details.

Interface Monitor

Calendar Monitor

Current Week Current Month From: 02/19/2017 To: 02/19/2017 Search

October 2016 November 2016 December 2016 January 2017 February 2017 March 2017

Result List

Message Summary Interface Key Fields My Messages

Namespace / Interface	Status	Alert	Mail	All Messages	Warnings	Errors	Technical Errors	In Process	Successfully Processed	Canceled Messages	Key Field Name	Key Values	Namespace	Re
Business Partner, Customer, Supplier Int - /CMDDBP														
CMD.Product Integration - /CMDPR				Σ					936					
Product Replication from Client via IDOC - MATMAS_IN/00001													/CMDPR	CM

6) Select the entry you wish to check the log for.

Interface Monitor

Calendar Monitor

Current Week Current Month From: 01/11/2017 To: 01/11/2017 Search

October 2016 November 2016 December 2016 January 2017 February 2017 March 2017

Result List

Message Summary Interface Key Fields My Messages

Namespace / Interface	Status	Alert	Mail	All Messages	Warnings	Errors	Technical Errors	In Process	Successfully Processed	Canceled Messages	Key Field Name	Key Values	Namespace	Re
Business Partner, Customer, Supplier Int - /CMDDBP				Σ					48					
ADR2MAS Replication to Client - ADR2MAS_IN/00001													/CMDDBP	CMD
ADR2MAS Replication to Client -													/CMDDBP	CMD

A photograph of dandelion seeds floating in the air against a clear blue sky. The seeds are white and fluffy, with some dark brown seed heads visible. The image is positioned on the left side of the page, with the right side being a white vertical bar containing text.

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