

Name of Solution:

Mapping: Validating Email Addresses using RegEx

Business Requirement:

This sample mapping exemplifies the power of regular expressions by identifying valid E-mail addresses from multiple forms of data anomaly.

Solution URL:

<https://community.informatica.com/solutions/2085>

Supported Versions:

PowerCenter 9.1 and 9.5

Description:

Regular expressions provide the foundation for describing or matching data according to defined syntax rules. A regular expression is nothing more than a pattern of characters itself, matched against a certain parcel of text.

Using Regular Expressions, it is simple to search for a specific word or string of characters. Almost every editor on every computer system can do this. Regular expressions are more powerful and flexible. You can search for words of a certain size. You can search Numbers, punctuation characters, patterns and so on.

At the same time, Regular expression can be very confusing and tricky. The learning curve for Regular expression may not be very easy for everyone. Often this results in to underutilization of Regular Expression and true power is not harnessed.

The mapping sample given here exemplifies the power of Regular Expressions by identifying valid e-mail addresses. In the given example, the input data can have e-mail addresses in multiple yet valid formats. The mapping logic should be able to identify all the valid values.

Download file contents:

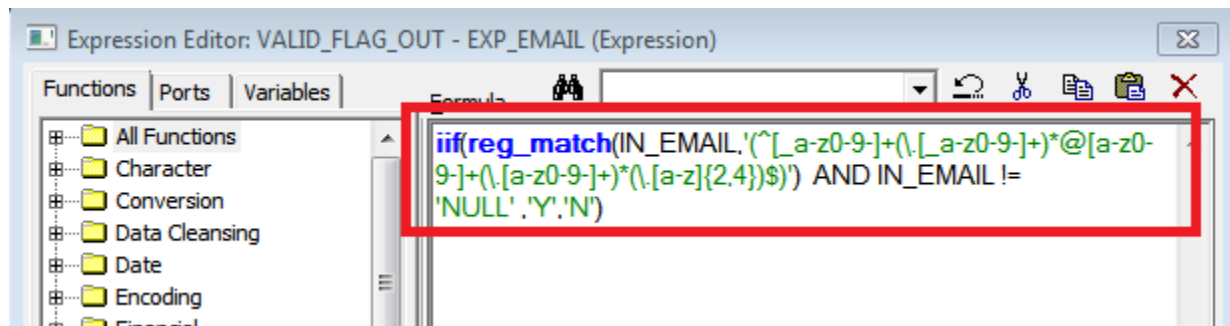
1. Workflow
2. Script
3. Document

Steps to implement the solution:

1. Place source file in \$PMSourceFileDir Folder.
2. Import workflow "wf_m_ValidateEmailAddress.XML" using Repository Manager. Select the appropriate folder from repository and resolve the conflicts by choosing suitable option.

Note: The core functionality of this solution is present as a mapplet in "wf_m_ValidateEmailAddress_With_Mapplet.XML". If you want to use this solution as a mapplet in any of your mappings, just copy the mapplet after importing the contents in the export file.

3. Open mapplet using PowerCenter Designer and observe the expression transformation as shown below.



4. Open the workflow in Workflow Manager. Assign the integration service in Workflow - > Edit -> Integration Service.
5. Edit session and assign valid connection object for the source and target.
6. For more details for importing object please visit our [YouTube](#) link.
7. Execute the workflow and observe the target files in \$PMTargetFileDir. Observe that only valid email addresses moved to target file.

YouTube Video on Importing and Configuring Workflows:

<http://www.youtube.com/playlist?list=PLLRreK2jjgWBQ4NPfp0QWTxYDvInEqSJ>

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