

Name of Solution:

Mapping: Converting GMT to US time zones with DST

Business Requirement:

A reusable PowerCenter mapplet to convert time from GMT to US time zones, taking care of Day Light Savings.

Solution URL:

<https://community.informatica.com/solutions/1749>

Supported Versions:

PowerCenter 9.1 and 9.5

Description:

While there are pre-built functions available within PowerCenter to transform dates, sometimes we have requirements where a reusable object can be built to handle some complex scenarios that can be shared across the project. One such example is converting time between time zones.

While converting date-time between different time zones can be achieved by using the ADD_TO_DATE () function, the use of Day Light Saving Time (DST) during summer in many countries makes the required logic non trivial.

In this solution user can download a mapplet which implements the logic necessary to convert input date-time in GMT to US time zones. The logic uses a flat file reference data which contains the DST start and end dates for the years 2007 through 2015.

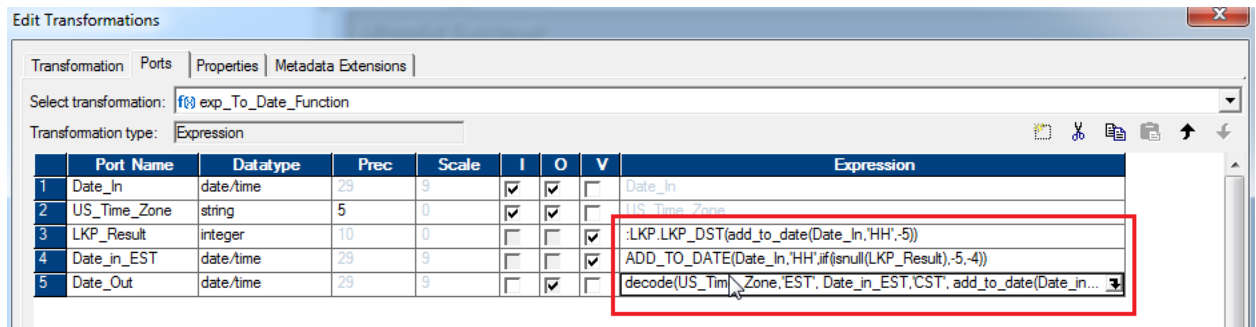
Download file contents:

1. Workflow
2. Source File
3. Lookup File
4. Target File

Steps to implement the solution:

1. Place source file and look up file into \$PMSourceFileDir and \$PMLookupFileDir folder respectively.
2. Import workflow using Repository Manager. Select the appropriate folder from repository and resolve the conflicts by choosing suitable option.

- Open mapping using PowerCenter Designer, note that logic is designed in mapplet. Expression transformation convert the data time using ADD_TO_DATE() function and lookup transformation.



- Open the workflow in Workflow Manager. Assign the integration service in Workflow - > Edit -> Integration Service
- Edit session and assign valid connection object for the source and target.
- For more details for importing object please visit our [YouTube](#) link.
- Execute the workflow and observe the target files.

YouTube Video on Importing and Configuring Workflows:

<http://www.youtube.com/playlist?list=PLLReK2jjgWBQ4NPfp0QWTxYDvlnEqSJ>

Other Useful links:

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