

Development Spec Document

Potential Match Report

Rev 1.0
Reltio Technical Services

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27/03/2019

Revision History

Revision	Author Name	Date	Description
1.0	Sanjay Behera	27/03/2019	Initial Draft

Overview

The Potential match Extract utility helps to extract the Reltio Matched Entities OV data from the specified tenant by creating a simple configuration properties file. It does not require any programming. In this extraction process, only the values that have "ov=true" along with Match URIs of an attribute come to the extract file.

Use Case(s)

This tool extracts entity level attributes specified in the attribute properties file that are simple, nested and reference attributes along with matched URIs.

Configuration Requirements

Please refer the QuickStart.md for the Configuration

<https://bitbucket.org/relio-ondemand/pot-mat-data-extract/src/master/QuickStart.md>

Classes and Methods

Below the most relevant classes and methods are outlined

AttributeExtractReportForPotentialMatches		
Method	Arguments	Description
<i>Main</i>	String[] args	This class is just a shell for the main method
<i>printPerformanceLog()</i>	long totalTasksExecuted, long totalTasksExecutionTime, long programStartTime, long numberOfThreads	Takes in an a totalTasksExecuted, totalTasksExecutionTime, programStartTime and numberOfThreads prints the OPS for it.
waitForTasksReady	Collection<Future<Long>> futures int maxNumberInList	Waits for futures (load tasks list put to executor) are partially ready. maxNumberInList parameters specifies how much tasks could be uncompleted.

PMExtractTask		
Method	Arguments	Description
<i>call()</i>		Runnable thread which processed the
<i>getFileToWrite()</i>	String name	Returns the fileWriter where the extract data need to be written
getXrefResponse()	ReltioObject reltioObject Map<String, InputAttribute> attributes ExtractProperties extractProperties	This method returns the fields map as per the attribute mapping.
getSelectFields()		Construct the Select Fields to be passed to the API

ExtractProperties

This class is used to manage the properties for the Utility. And Set the default value to those if required.

Method	Arguments	Description
<i>ExtractProperties()</i>		Constructor which takes care of the property settings.

Deployment & Instructions

Building

The build path of the **pot-mat-extract** must include the **reltio-cst-core**. The main method of the application is at the following path.

pot-mat-extract/src/main/java/com/reltio/extract/extract/denormalized/service/AttributeExtractReportForPotentialMatches.java

Other Relevant Links

Link	Description
Bitbucket link	Link to the Bitbucket Repository where the source is maintained