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International Registries, Inc.

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# Project Overview

International Registries, Inc. (IRI) is using Oracle Watch List Screening Solution. Oracle has implemented the Watchlist Management and Watchlist Screening (3 bucket solution) Solutions. Inspirage is engaged with IRI for development and support of OWS solution. Inspirage is helping with enhancement and optimization of current solution. Inspirage has developed SAN Watchlist Screening (1 Bucket Solution). Inspirage has been engaged by IRI for requirement gathering and solution design for distributing Download, Prepare, Filter and Export All Lists Job in two jobs. First job will download the data file from world check and second will process the downloaded data as per the daily schedule.

# Purpose

This document captures requirement and planning for Distributing Download, Prepare, Filter and Export All Lists Job.

# Scope

The section below explains broadly what is in scope for Distributing Download, Prepare, Filter and Export All Lists Job.



## In Scope

* Download, Prepare, Filter and Export All Lists Job distribution in two jobs
  + Data Download Job
  + Prepare, Filter and Export All Lists Job

# Business Requirements

Distributing Download, Prepare, Filter and Export All Lists Job in two jobs.

## . Issue Description

Currently we have one job to download and process the data on daily schedule. Watchlist Management "Download, Prepare, Filter and Export All Lists" Job runs to download the data and process the downloaded data after that. There are multiple download failure in last 15 days. Below are the errors frequent errors. First two errors are while downloading world check file and this we are getting very frequently in last 15 days. The third error is while processing the downloaded data and the frequency was once in a month.

1. An error occurred whilst attempting to download 'https://www.world-check.com/portal/Downloads/world-check.xml.gz' to 'WC/world-check.xml.gz' : Connection reset
2. An error occurred whilst attempting to download 'https://www.world-check.com/portal/Downloads/world-check-native-character-names.xml.gz' to 'WC/world-check-native-aliases.xml.gz' : java.lang.NumberFormatException: For input string: ""
3. Error -Error executing Snapshot: Error getting next XML data block: Unexpected end of ZLIB input stream (Code: 2,601). (Code: 203,074)

## . Solution

We are planning to execute both download and data processing part independently. For example, we will run the download job at 1:30 AM and run the downloaded data processing job at 5 AM. So, we are breaking the job in two parts, this will help us to download the data with a dedicated download job and we can run the data processing job separately. We are breaking the Watchlist Management "Download, Prepare, Filter and Export All Lists" Job in two parts.

1. Data Download Job - This job will download the data from world check.
2. Prepare, Filter and Export All Lists Job - This job will process the downloaded data.

# Existing Job Plan:

*Initialise Staged Data*

*WC Download*

*WC Stage Reference List*

*Extract and Export Origins*

*WC Prepare Without Filtering*

*Prepare Prohibitions*

*Prepare and Export Centralized Reference Data*

# New Job Plan:

**Job 1 – Download Job:**

*WC Download*

**Job 2 – Processing Data:**

*Initialise Staged Data*

*WC Stage Reference List*

*Extract and Export Origins*

*WC Prepare Without Filtering*

*Prepare Prohibitions*

*Prepare and Export Centralized Reference Data*

# Proposed Execution

We are planning to execute the “Data download job” and “Prepare, Filter and Export All Lists Job”

**Data download job (TBD)**

|  |  |
| --- | --- |
| 153 Server | 01:30 |
| 154 Server | 02:30 |

**Prepare, Filter and Export All Lists Job (TBD)**

|  |  |
| --- | --- |
| 153 Server | 04:00 |
| 154 Server | 06:00 |