Banner_RMX_Accelerator

Data Analytics Data Director System (DA - DDS) Overview

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# General Overview

***RISKMASTER*** ***Data Analytics - Data Director System (DA-DDS)*** completely automates Self-Insurance import processing. It brings together several standalone Import modules in RISKMASTER and combines them together under one umbrella. You can use the ***RISKMASTER Task Manager*** to schedule any of the Import Area included in the ***DA-DDS***.

It replaces legacy VB *(Visual Basic)* import functionality with a combination of Data Analytics and Stored Procedures and further Integration with RiskMaster Task Manager

It has improved performance and standard. Unlike Desktop, it doesn’t needs to be installed on every machine. Multiple users can use it by just having DA 4.2 on their machines.

It is built to work on RiskMaster 16.1 and will also cater future versions. However, it is not advisable to use DA DDS below RiskMaster 16.1.

Import Areas mentioned below can be imported

1. Events
2. Claims
3. Payments
4. Adjuster Notes
5. Enhanced Notes
6. Medwatch
7. Short Term Disability Plan
8. Short Term Disability Class

It uses Comma separated Files (*\*.csv*) as source to Import data into RiskMaster. Every Import Area has a Separate *(\*.csv)* file. Structure, sequence and type of data that can be provided in the various files are explained in the ***Data Analytics DDS Field Mapping.xls*** for each import area.

Further, ***Data Analytics Data Director User Guide.pdf*** describes the detailed functionality of DDS and how to use it. It also gives the user interface and what possible errors a user can face while saving the Option set page.

# Features and Functionality

User Friendly

* An Interface arranged into blocks and tabs based on the different types of options and settings.
* DA DDS provides a single View, which is easy to understand, visualize and configure.
* Error and warning messages are self-explanatory and to the point.
* Configurations to save selection which reduces efforts to schedule a job.

## User Verification

* A way to view and modify the records which failed validations.
* Verify and Change fields with validation Errors.
* Ease to resume the Job for Failed Validations after modifications.
* Save efforts in altering the records in the Import file and Rescheduling the job.

Parallel Job Scheduling and Execution

* It offers Multiple Job Scheduling by Multiple users in a Single Environment.
* Parallel Job execution, Data Loading, Validations and Insertion.

Efficient

* Improved performance with Bulk data.

## Options to reduce Data Corruption

* Check for duplicate Entities  
  Checks multiple entries for entities before linking one of them to any Area.
* Allow creation of new entities  
  No Automatic Entity creation whenever the Entity does not exists in RiskMaster.

Integrated with RiskMaster

* Save settings/Configuration for a particular job to use it in Future.
* Reduces efforts in selecting all the settings every time a job is scheduled.
* Multiple configurations based on various import areas, reserve selections, Supplemental field mappings etc.
* Configurations maintenance for every RiskMaster user using DA DDS.

# SERVER - Architecture

RISK MASTER Accelerator   
(rmA)  
Application Server

DATABASE  
Server

BUSINESS INTELLIGENCE   
(BI Server)

Data Analytics   
(DA Server)

# WORK FLOW – Architecture

**Logs**

**Import Files**

**RISKMASTER  
Task Manager   
(DDS Optionset Page)**

**DB   
Stored Procedures**

**DA\_DDS.exe**

**DA DDS JOB**

# Working

1. Through *DDS Optionset* page in *RiskMaster Task Manager*, User can schedule the DDS Job

* Select the Import areas
* Select the Import files
* Choose the Import Options

1. *RiskMaster Task Manager* triggers *DA\_DDS.exe*
2. *DA\_DDS.exe* Connects to *DA DDS Job* using the DA Web Services
3. *DA DDS JOB/ATL*Imports the data from Import files into “*RmxStaging*” database and calls the *Stored procedures* for a particular Import Areas
4. *Stored Procedures* on *“RmxStaging”* database performs below mentioned functions
   * Performs RiskMaster Business validations followed by Insertion/Update for each record.
   * Records which pass validations are
     1. Inserted if record does not exists in RiskMaster database.
     2. Updated if record exists in RiskMaster database.
   * Records which Fail validations are logged in Error tables.
5. *DA DDS JOB/ATL* performs below mentioned functions

* Creates User Diary for User Verification of failed records
* Creates Error Log files
* Creates Process Log files

1. *DDS* *User Verification* can be used to correct Failed records and resume the job again
2. *RiskMaster Task Manager* shows the Job Status, Error Logs, Process Logs

# Database Support

List of Database Management system along with the version’s supported

|  |  |
| --- | --- |
| **DBMS** | **VERSION** |
| Microsoft SQL Server | 2008 |
| 2012 |
| Oracle | 11g |

***Note:*** *For detailed information about DA DDS please refer* ***Data Analytics Data Director User Guide.pdf***