
National Patient Information Reporting System: National Data Warehouse

NDW Export Tracking Mart

Technical Guide

Version 1.1

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Department of Health and
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Version Control

Version	Date	Notes
1.0	June 2009	Initial version. COTR acceptance June 10, 2009
1.1	September 2009	Update section EXPORT TRACKER VIEW

Overview

The NDW Export Tracking Mart provides the sending sites information about the status of their export files. This status is generated during the processing of their files into the National Data Warehouse (NDW).

The NDW Export Tracking Mart environment exists on the ROHAN server which is separate from the NDW Production environment. The Export Tracker application is an application within the IHS National Data Warehouse Reporting web site.

The Mart consists of the following components:

- Export Tracker Application
- Export Tracking Data Mart User Guide document
- Post Data Load Report Error Descriptions document
- Files Reflected in Workload/Userpop Mart Report
- NDW Files Loaded into the Data Warehouse Report

Environment

Reports

Web Server:	ROHAN
Reports Development Tool:	Crystal Reports, Adobe Acrobat
Application Interface:	Business Objects
Reports Location:	Export Tracking Mart folder on IHS NDW intranet website and \\Rohan\DW_Reports\NDW
Language:	SQL

Data Source

Database:	SANDIA
Server:	GOLLUM
Database Schema:	ET_RPT
Database Objects:	View
Language:	SQL

Export Tracker Application

Web Server:	ROHAN
Application Interface:	Business Objects, Code Sets
Language:	SQL, VB.Net2, ASP.Net2, JAVA, XML

Overview of the Export Tracking Mart Process

The Export Tracking Mart provides the sites access to the status of their exported files processed into the National Data Warehouse (NDW). The following diagram displays the flow of the export file statistics from the Area sites to the Mart.

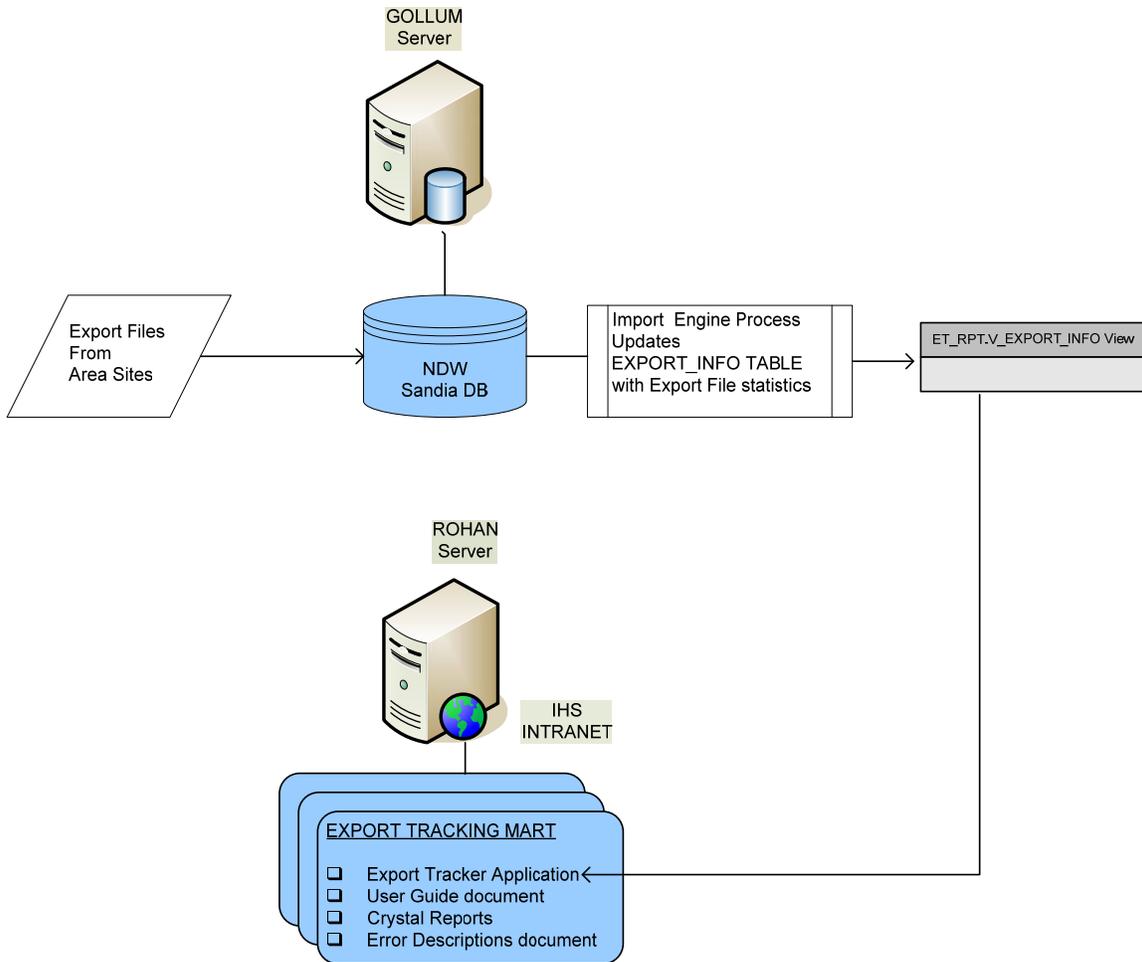


Figure 1: Export Tracking Mart process

Overview of the Export Tracker Application

The following diagram displays the Export Tracking Mart and the components of the Export Tracker Application.

- CURRENT VIEW Code Files
- View ET_RPT.V_EXPORT_INFO stored in the Sandia Database
- Export Tracking Data Mart User Guide, accessed via the **HELP** button

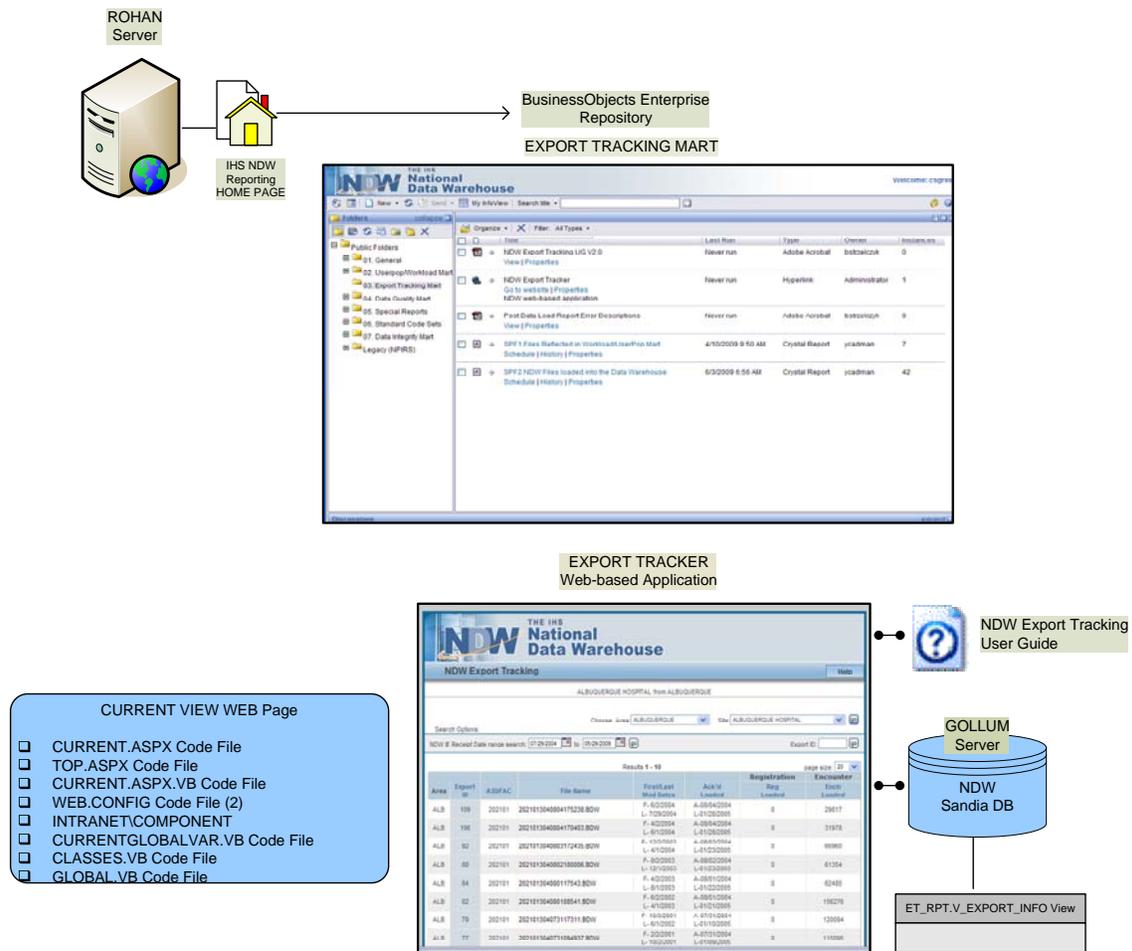


Figure 2: Export Tracking Mart and Export Tracker Application

Export Tracker Application Code File Functions

The export file statistics are collected to track all exports received by the NDW. The data is stored in table ADMIN.EXPORT_INFO in the NDW. The data in this table is utilized by view ET_RPT.V_EXPORT_INFO as a source for the Export Tracker Application which consists of the below Code Files. Based on selected search parameters, the application displays statistical data for one or more export files. Additionally, the Code Files are stored on the ROHAN server in the folder \DLTWEB.

Public Code Files

CURRENT.ASPX – Languages: ASP.Net, JAVA

- Displays the CURRENT VIEW web page.
- Handles page formatting.
- This is the main code file which calls all sub code files.

TOP.ASPX – Language: ASP.Net2

- Formats the NDW graphic header.
- Processes the HELP button.

INTRANET\COMPONENTS – Language: JAVA

- Handles the CALENDAR functions and Date selections.

Private Code Files

WEB.CONFIG – Language: XML

- Handles the Database connections and Database security.
- Handles the Database name with the Servers DB2 client ODBC connection.

GLOBAL.VB – language SQL, VB.Net2

- Processes the Database and User information.

CLASSES.VB – Languages: VB

- Handles the DB2 Traces and SQL command settings/configurations.

CURRENT.ASPX.VB – Languages: SQL, VB, JAVA

- Processes TIME OUT for web site,
Database selection and CHECK,
Input selection of the Export ID from view ET-RPT.V_Export_Info,
Input selection of the Page Number,
Input selection of the Date range from view ET-RPT.V_Export_Info,
Handles the red font **R** for the rejection file display.
- Handles the input selection and drill down functions for fields AREA and SITE
and stores retrieved Export Files statistics for display.

CURRENTGLOBALVAR.VB – Languages: SQL, VB.Net2

- Handles the display of the Export Files statistics to the CURRENT VIEW web page.

Export Tracking Mart Reports and Documents

The reports and documents are posted on the IHS National Data Warehouse Reporting web site (ROHAN) in the Export Tracking Mart folder using the Business Objects Web application interface.

The two reports are developed using Crystal Reports software.

- SPF1. Files Reflected in Workload/Userpop Mart
Lists for each Area, the file statistics for all export files loaded to the NDW and reflected in the Workload/Userpop Data Mart.
- SPF2. NDW Files Loaded into the Data Warehouse
Lists for each Area, the file statistics for all export files processed into the NDW.

For detailed descriptions of the reports, see the *Export Tracking Data Mart User Guide*.

The Export Tracking Mart documents are developed using Adobe Acrobat software.

- Export Tracking Data Mart User Guide
The user guide describes in detail how to access and use the Export Tracking Mart and describes the process of the export file from the site through processing into the NDW. The user guide can be accessed by clicking the **HELP** button within the Export Tracker Application.
- Post Data Load Report Error Descriptions
Lists the description for the error messages and action to resolve the errors displayed on the Post Data Load Report.

The code for the reports and one PDF document are stored on the ROHAN server in the following folder: \NDW\DW_REPORTS\STATUS OF PROCESSED FILES. The names are:

- WL_UP Export Files.rpt
- NDW_Status_Report.rpt
- Post_DataLoadReport_ErrorMessages.pdf

The original PDF document for the Export Tracking Data Mart User Guide is stored in the following directory/folder:

P:\NPIRS\7. NPIRS Documents\9. End Users Documents\ExportTracking
UG\NDW_ExportTracking_DataMart_UG_V2.0.pdf.

For detailed descriptions of the reports and documents, see the *Export Tracking Data Mart User Guide*.

Export Tracking Mart Database Objects

The SQL Code for the view ET_RPT.V_EXPORT_INFO is stored by DB2 in the appropriate system table (SYSIBM.SYSVIEWS) in the TEXT field.

Export Tracker View

The Export Tracker View contains all columns and rows from the NDW table ADMIN.EXPORT_INFO with an ERROR_CATEGORY_CD not equal 'F'. The ORIG_LD_DT for the export file is displayed in the CURRENT VIEW as the LOAD_TARGET_DT.

Schema	View Name
ET_RPT	V_EXPORT_INFO

Security

The IHS National Data Warehouse Reporting web site (ROHAN) is available to those who have access to the IHS intranet.

The Export Tracking Mart does not contain HIPPA/Personally Identifiable Information (PII) data and complies with HHS/IHS SOP's and NIST800-53.