Custom Integration Information System

Introduction

- CIIS (Custom Integrated Information System) is an application that maintains various processes for the St. Kitts and Nevis Customs and Excise department to record the data related to Items stored and released from warehouses and their billing etc.

- Billing system to generate bill on storing the items into warehouse based on number of hours/days/weeks and months.

- Pre Release system to process the items that department cannot store for longtime. Pre Release system helps to maintain and process all those items and details of amount paid or outstanding.

- (ERS) Electronic Release System to maintain items store and released from warehouses. System is to search items easily, like which item is store in which warehouse etc.

- SID (Strategic Intelligence Database) system is used to maintain the passenger's information their family information and items declaration etc. visiting in St. Kitts and Nevis. SID maintains the container information and items in container. SID maintains the Crew details and crew member's information and lots of other things.

Background

Customs and Excise department is the government agency of St. Kitts and Nevis. The agency employs the CIIS application, a windows based software package for their daily operations like searching, storing and releasing the goods and their billing, goods risk management, releasing of items before time that cannot be store for longtime etc.

Stakeholders

Custom Department, Governmentt of St Kitts & Nevis.

Challenge of Department

No system available :

- Storage and release of goods from warehouse and their billing.
- Managing items on risk.
- Managing passengers information,
- And also no tracking of containers and crew information

High Cost:

More man power is required for manual work, which implies to high cost and efforts.

Document Management Problem :

- Problem in managing documents causes misplacement of data especially when stored in MS-Excel files.
- And also Information is not available at disposal.

Technology Used

OS- Windows XP/Vista/7/Server 2003
Microsoft .Net Framework 2.0

All the prerequisite software integrated with setup file and it automatically install on client machine,

or we can download from

http://www.microsoft.com/net/download.aspx.

Microsoft Sql Server 2005

For database (backend) we used SQL server 2005, DTS jobs to transfer data from Oracle to SQL Server 2005
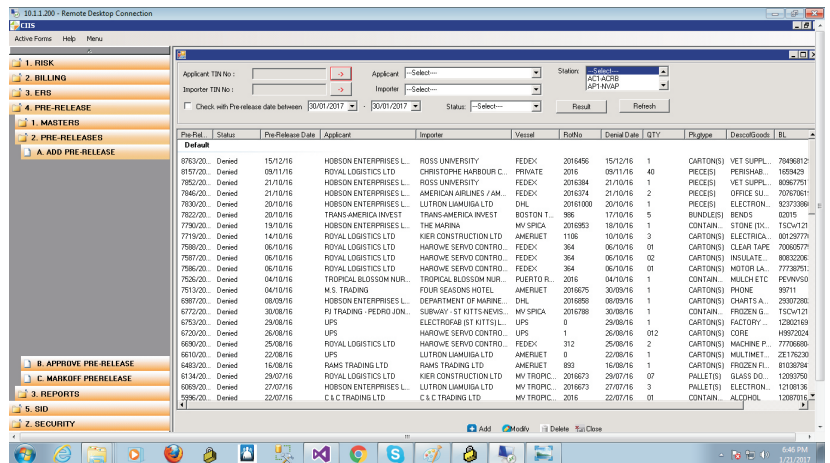
Solutions of Underline Challenges

New System :

A brand new application has been developed to cater the needs of Customs department which is User friendly and secure at the same time.

Lower Maintenance Cost

Implementing new billing systems, electronical tracking of instore and release of goods avoid manual tasks, reducing the time consumption and maintenance costs.

Sharing flexibility :

- Coordination between different departments will be easy and secure at the same time.
- Searching for information like goods, bills and other files is faster.
- Sharing of information is now secure and user-friendly.
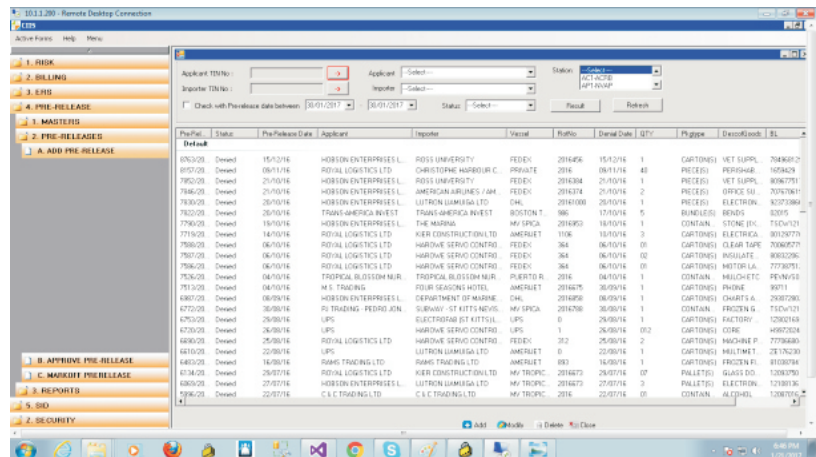
Achievements & Benefits

- Centralized the information or data and avoid manual activities.
- More user friendly
- Low maintenance cost
- Performance improvements
- Achieved Disaster Recovery
- Integrated System

Scope & Major Work Involved

- Development of number of Modules like RISK, BILLING, ERS, Pre-Release, SID.
- Later integration of all modules into single application.
- Integration of stand alone security module to manage the role , access permission and data security.
- DTS (Data Transformation Services) jobs to transfer data from Oracle database to SQL server.
- Setup of Production and Test environment.
- Disaster Recovery.
- Enhancements/ Production Support (24*7)

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