



## » Company Background

- ISGN is one of the most diverse and experienced providers of mortgage technology and services.
- ISGN's industry leading solutions support the entire spectrum of the loan life cycle, from origination to settlement services, to support on core servicing, loss mitigation and home retention services.
- With the acquisition of Fiserv's Fulfillment Services business, ISGN has expanded to 15 locations in the US, and three global centers. With 1500 employees supporting more than 1,100 customers, ISGN delivers business impact to various lending institutions that include large global financial institutions, neighborhood banks, credit unions, and national lenders.
- ISGN believes in going beyond solutions, helping create business impacts that transforms how business is done.
- ISGN's mortgage experts work with customers in translating market dynamics, policy changes and customer drivers into opportunities.
- ISGN's global delivery model ensures that quicker and cost effective solutions be provided that create employee, customer and stakeholder value.

## » Business Needs

- To make the existing systems to be more robust, accessible and available, which are accessed by a vast number of customers for fulfilling their Origination, Settlement, Servicing, Default Management and ISGN eExchange solution needs.
- To improve Visibility, navigability, accessibility and serviceability of the mainframe based applications, through enterprise application modernization tools/methods.
- To implement hosting solution for the customers in order to host their business at our in-house location.
- To ultimately increase business by satisfying the existing customers to a whole new level in usability, along with the increase in overall number of customers.

## » Business Problem Case

- To retain existing customers and to attract new prospects, presentation aspect of existing legacy applications should be modernized with better/rich look & feel.
- To improve the accessibility aspect, there is a great need for legacy application to be web-enabled, so that customers can access the application via their web-browser regardless of the geographical constraints.
- Getting used to the green screen environment, its navigation and overall operation, the learning curve for new users is very steep.
- In order to accomplish a simple task in i-Series, the user usually has to go to many screens, which is time consuming.



Going Beyond Solutions

## » Initial Steps

- Created ISGN Specific template for excellent look and feel.
- Analyzed current system.
- Suggested IBM HATS for modernization after analyzing the 5250 system.
- Created HTML POC.
- Received positive feedback from the client.
- Client agreed on the proposed Solution.

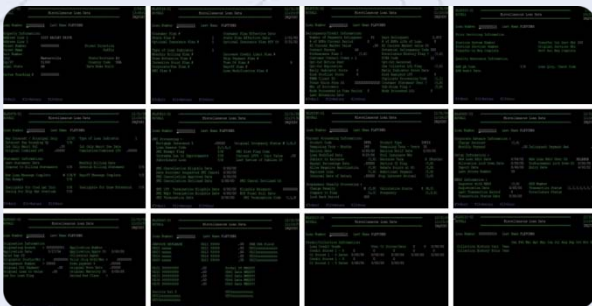
## » Solution (IBM Rational HATS)

- A combination of Default rendering along with complex screen combinations was created.
- Advanced screen scrapping mechanism of IBM Rational HATS was used to transform the i-Series screens into HTML pages.
- IBM Rational HATS Macros were used to create Menu Macros, that greatly improved the navigation between multiple screens.
- IBM Rational HATS Integration Objects were used for service enablement of legacy i-Series assets.
- Client-side JavaScript was used for input validations.
- Using the web-based screens, new users can be trained very easily and quickly, saving a huge cost on training budget.
- Using the web-based screens, the users accomplish a simple task or even a complex task using a single point of contact, instead of going to so many different screens, saving a lot of time.
- Using the HATS application hosting capabilities a highly available & secure hosting solution was accomplished.

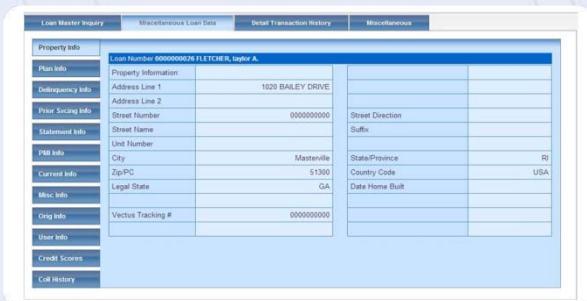
## » Achieved Project Milestones

- Project Level Templates
- Menu Macros
- Navigation Macros
- Screen Customizations
- Screen Combinations
- JavaScript (Client-Side Validation)
- POC on Web-Service Enabling i-Series Transactions
- CVS Setup
- Necessary Knowledge Transfer to i-Series Developers

## » Master Tab Mainframe Screens



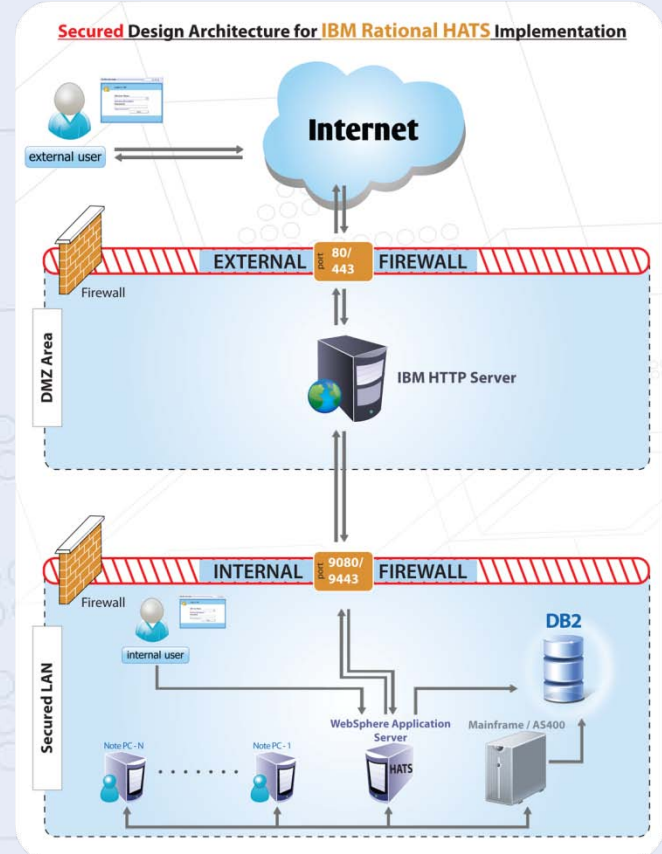
## » Master Tab Web-Based Screen



## » Business Benefits

ISGN has witnessed a remarkable amount of savings in their IT budget without any significant migration, from their legacy application they are able to highly modernize the look & feel without any effect on the underlying business logic. This Application can also be used as an evolutionary prototype for any future application that might need to be modernized. Service enabling feature also allows other applications [Dot Net, Java etc] to effectively communicate with legacy i-Series application without writing a single line of code. These Web services would never compromise on the overall security of legacy data as they never directly interact with back-end legacy business logic and data.

## » Design Architecture



Secured Design Architecture for IBM Rational HATS Implementation

## » Key Technologies and Tools used

- Rational Host Access Transformation Services.
- Rational Application Developer.
- Cascading Style Sheets
- Java
- JavaScript.
- HTML
- CVS