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Meeting Investor Needs Via New Technology Management Innovation: Technology

RIHousing launched our subservicing business line – Mortgage Servicing Solutions – at the beginning in 2017. In our 20 years of servicing loans, this was our first venture into the role of subservicer. In launching this new business line, we had to *develop a new tool to meet investor needs*.

New Business Line, New Technology

When we decided to launch our subservicing effort, we identified several key areas where technological improvements would need to be developed to respond to investor needs. We had been using Black Knight as our servicing platform since 2006 and connected with our vendor representative to review and discuss options available to us. Based on our discussions and identification of subservicing goals, they were able to suggest a technology tool (*Web Direct*) traditionally utilized by third-party vendors for audits that could be utilized in a non-traditional role to meet our needs.

This web-based tool would allow us to meet both our agency and customer objectives while also seamlessly integrating this new technology tool into our existing servicing platform. Initially, our main goal was to provide investors with access to loan level data in our subservicing portfolio. During the collaboration, we realized that the new technology tool would allow us to do much more.

Dynamic Dashboards and Reports

The new technology provides our customer with real-time access to critical loan portfolio data within the servicing system to help forecast and monitor performance. It offers robust analytics, enabling our customer to proactively manage operations through key performance indicators.

Data at our Fingertips

The new web-based application tool gives investors the ability to:

- Review loans in real time
- Access additional levels of critical information on loans and customers
- Provide 24/7 access to this information

Improved Financial Performance

A robust platform would allow us to make more informed decisions and increase opportunities for growth with access to sophisticated data and analytics.

Reporting Details

Available information for investors include:

- Collection notes
- Last insurance/real estate tax paid should we just say escrow activity
- Corporate advances on their behalf
- Payment histories

Outcomes

Previously, we were limited to daily static reporting we could share with investors. Not only were we limited with the kinds of reports we could produce from our existing infrastructure, but those we could

produce were "canned reports" that did not meet the needs of the investor. Additionally, the creation of reports required a significant level of Agency and customer staff time to create and pull the required levels of data.

Dynamic Loan Views provides simple, easy access to loan information, filtering criteria to ensure users have access to only the loans they need to carry out their assigned business functions. Specialized fields can be created to view data elements based upon investor needs. No specialized training has been required and we avoided the need for costly development for new systems.

Reduce Costs

- Robust automation increases employee productivity and streamlines back office operations
- Functionality to manage tasks more efficiently
- Extension of existing servicing system simplifies operations and decreases IT costs
- Provides Agency ability to customize data presentation without programming cost

Mitigate Risks

- Continually enhanced to support regulations
- Single system to service various loans and servicing and subservicing portfolios reduces compliance and risk complexities
- Flexibility and scalability to quickly adapt to changing requirements
- Enables customer to continuously monitor sub-servicer and portfolio performance

Benefits to Investors

- Gain insight into RIHousing's servicing operations and our performance as a sub-servicer
 - Able to monitor effectiveness of our performance on a daily basis as well as over time
- Helps investors better manage their portfolios.
 - Monitor loans in their portfolio in real time, with both granular and comprehensive data sets
 - Platform helps make our servicing data easier to access, understand and act upon
- Staff time saved in requesting data and reporting, access to simple online, web-based tool with multiple reporting modules
- Able to view the loan as if they are servicing it themselves

Benefits to RIHousing

- More efficient, productive and compliant across entire organization
- Reduces administrative work load
 - Reduces amount of staff time answering questions and reporting data to the investor
 - Gives staff more time to service loans and support mortgage holders
- Have a comfort level with Black Knight technology; new platform required little training for staff and we receive 24/7 support from vendor
- Use of one central, comprehensive platform for mortgage servicing
 - Provides ability to segregate our loans from subservicing portfolio

Why Meritorious

We were **able to implement at program launch a smart business tool, not common in the marketplace**. By utilizing a technology platform offered by an existing vendor, we were able to offer the tool with the roll out of subservicing and required little staff training or support from our IT department to do so.

We are able to **provide top-notch services and responsiveness to our investors while also increasing operational efficiency.** Additionally, the system addresses regulatory requirements, improves risk mitigation, and allows us to manage non-performing loans through full integration with default solutions. The new technology augments how we sub-service loans and is a valuable tool for our customers.

What could have been a bumpy launch to a new business line was a seamless transition for our staff that allows us to provide excellent customer service to the investor.

"Web Direct provides MaineHousing's staff with real time access to our customer's loan data. Having information readily accessible to MaineHousing has improved our ability to provide greater oversight of our portfolio. We are able to see customer notes and collection logs, application of loan payments, handling of escrow related matters, etc. We have the ability to trouble shoot problem situations with our customers without any delays. This results in a more positive experience for our customers and MaineHousing staff."

-- Bobbie Jo Marcoux, Loan Administration Manager, MaineHousing

Screenshot: Loan History with Menu Tree 1

Shows basic screen shot of a Payment History and the menu tree of the available workstations

oanSphere Account Number:	Client Number 424	✓ Go R	ecent Account	8 -							[Last	og in: 06/01/2018 4:35	Change Pro	ovider Help -	Log
	Account Information:	[Rhod	e Island Ho	ousing and Mo	ortgage Finan	ce Corp:424]						🔚 Add Note	🔜 Make a Payment	🔹 📰 Order E	Silling S
Search Account Search	Borrower: Co-Borrower Name: Due Date: 07/01/201 Last Pmt Appd On: 06/01/201	8 St	ate: M	RIDGTON E 1009-0000		Prin Bal: Add Prin Bal: Account Type: Total Pmt Amt:	\$9,571.80 \$0.00 First Mortgage - \$613.68	FHA Reside	ntial	Investor T Investor # Investor A PLS Client	ccount #:	Other MD1 001/MORTGAGE	SERVICING SOLUTIO	ONS	
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Calculators	Transaction Description	Applied Dt	Due Date	Payment	Principal Applied	Interest Applied	Escrow Applied	Esc Bal	Adv Bal	Suspense Applied	Corp Adv Applied	L/C Amt Applied	Fee Amt Applied	Fee Cd	
Checks	Principal Curtailment	06/01/2018	07/01/2018	\$36.32	\$36.32			\$820.76							
Consumer Segments	Modified Payment	06/01/2018	06/01/2018	\$613.68	\$393.07	\$58.34	\$162.27	\$820.76							
Corporate Advance History	Principal Curtailment	05/01/2018	06/01/2018	\$36.32	\$36.32			\$658.49							
Investor Transfer History	Modified Payment	05/01/2018	05/01/2018	\$613.68	\$390.58	\$60.83	\$162.27	\$658.49							
Stops and Flags	City Tax Disbursement	04/06/2018	05/01/2018	-\$317.86			-\$317.86	\$496.22							
Tasks Borrower	Principal Curtailment	04/02/2018	05/01/2018	\$36.32	\$36.32			\$814.08							
Escrow	Modified Payment	04/02/2018	04/01/2018	\$613.68	\$388.10	\$63.31	\$162.27	\$814.08							
Letters	Interest on Escrow Deposit	03/30/2018	04/01/2018	\$0.74			\$0.74	\$651.81							
Notes	Principal Curtailment	03/06/2018	04/01/2018	\$36.32	\$36.32			\$651.07							
Default	Modified Payment	03/06/2018	03/01/2018	\$613.68	\$385.64	\$65.77	\$162.27	\$651.07							
Bankruptcy	Principal Curtailment	02/05/2018	03/01/2018	\$41.73	\$41.73			\$466.60							
Collections	Modified Payment	02/05/2018	02/01/2018	\$608.27	\$383.16	\$68.25	\$156.86	\$488.80							
Foreclosure	 Funds Application 	02/02/2018	02/01/2018	\$87.81			\$87.81	\$331.94							
General Default Info	City Tax Disbursement	01/11/2018	02/01/2018	-\$317.86			-\$317.86	\$244.13							
Loss Mitigation	Principal Curtailment	01/03/2018	02/01/2018	\$41.73	\$41.73			\$561.99							
REO	Modified Payment	01/03/2018	01/01/2018	\$608.27	\$380.70	\$70.71	\$156.86	\$561.99							
Funds Processing	Interest on Escrow Deposit	12/29/2017	01/01/2018	\$0.18			\$0.18	\$405.13							
Draft	Funds Application	11/27/2017	12/01/2017	\$608.27	\$378.49	\$72.92	\$156.86	\$404.95						0	
Fees	Escrow Advance Repymt	11/14/2017	12/01/2017				-\$335.91	\$248.09							
Payment	Hazard Ins Refund	11/14/2017	12/01/2017	\$584.00			\$584.00	\$584.00	\$335.91						
Profile	Principal Curtailment	10/31/2017	12/01/2017	\$41.73	\$41.73				\$335.91						
Change Password Contact Information	 Escrow Advance Repymt 	10/31/2017	11/01/2017				-\$156.86		\$335.91						

Screenshot: Loan History with Menu Tree 2

Same screen shot, expanded to show more data on a transaction

- 1. Expands the workstation to show the available screens
- 2. Export Options: ability to export the history to Excel
- 3. Export Options: ability to export the history to a PDF.
- 4. Options to expand and collapse for more data

Account Number:	Client Number: 424		ecent Account								Lasti		18 4:35:07 PM] .Gh		Help •	
	Account Information: 0480	-		ousing and Mo								-	Note 🔢 Make a F	Payment 💌 🔚	Order Bil	lling
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Account History	Activity Type All	Start Dt. 06/02/	2017	End Dt:	06/02/2018	2										
Amortization Information Calculators	Transaction Description	Applied Dt	Due Date	Payment	Principal Applied		Escrow Applied	Esc Bal	Adv Bal	Suspense Applied	Corp Adv Applied	L/C Amt A	pplied Fee Amt A	pplied Fe	e Cd	
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Escrow	Modified Payment	06/01/2018	06/01/2018	\$613.68	\$393.07	\$58.34	\$162.27	\$820.76								
Letters	Principal Curtailment	05/01/2018	06/01/2018	\$36.32	\$36.32			\$658.49								
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rofile	Modified Payment	01/03/2018	01/01/2018	\$608.27	\$380.70	\$70.71	\$156.86	\$561.99								
Change Password	Interest on Escrow Deposit	12/29/2017	01/01/2018	\$0.18			\$0.18	\$405.13								

Screenshot: Escrow Screen

Screen shot shows year-to-date information on Real Estate Taxes, Hazard Insurance, Mortgage Insurance, and Escrow Analysis. In our Black Knight system this one screen shot is 4 different workstations and 6 different screens. Web Direct combines them all into one view.

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LoanSphere Account Number:	Y Client Nu	mban 424 🔹 🔪	Go Recent Acc	ounts -						(La:	st log in: 06/01/2018	4:35:07 PM] Change P	rovider Help - Logo
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