




solutions for real estate

*An Apex Group company*

# Web based Property Management PaaS Solution

Two decorative leaf icons, identical to the one in the logo, are positioned on a blue diagonal band at the bottom of the page. One is above the text and one is to its left.

Create cloud enabled web - based Property  
Management Accounting software for the  
Real Estate industry



Retransform is the global leader in Real Estate Business Management Services and Technology Solutions. For the last 2 decades, they have developed a specialized expertise in offering comprehensive solutions worldwide to commercial, residential, retail and corporate real estate.

With experienced staff, technologists and analysts, they provide a strong foundation for real estate organizations to build and strengthen their business objectives. Their solution offerings are fundamentally dedicated upon improving operational efficiencies while simultaneously driving bottom line benefits to Real Estate companies across the globe.

## Objective

Retransform has served a wide array of Real Estate clients. The Real Estate companies use many different off the shelf systems like JD Edwards, Yardi, and many entities also prefer to use Excel or some old legacy systems. Also, these different systems reside in their own environments and cannot directly share the information between the systems. This poses a problem when the top management of the Real Estate companies wants to get a consolidated report on their properties.

Retransform saw this gap and introduced an integrated cloud based Property Management solution that is persistent, standards based, highly interactive, and can be integrated within any client environment.

The solution, Aria <sup>TM</sup>, is built using industry leading and standards compliant tools and technologies, is a full featured, web based property management solution that is affordable, user friendly, and meets the needs of a wide variety of end users while offering accessible and exceptional implementation and technical support.

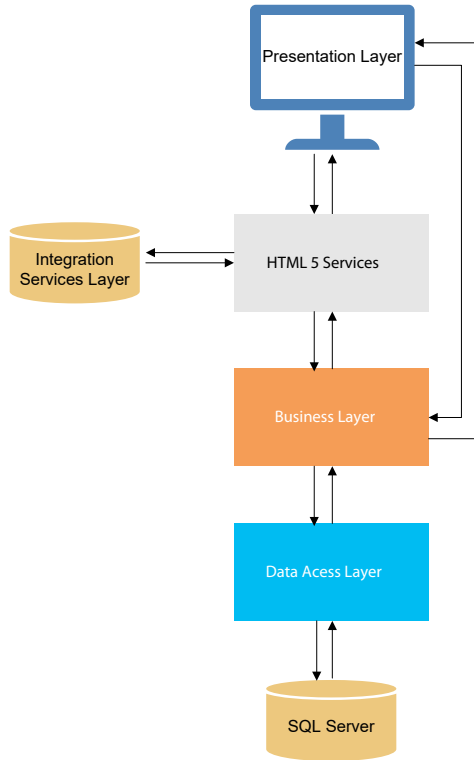
## Project Deliverables

Dashboards for Sales, Property Portfolio and Finance

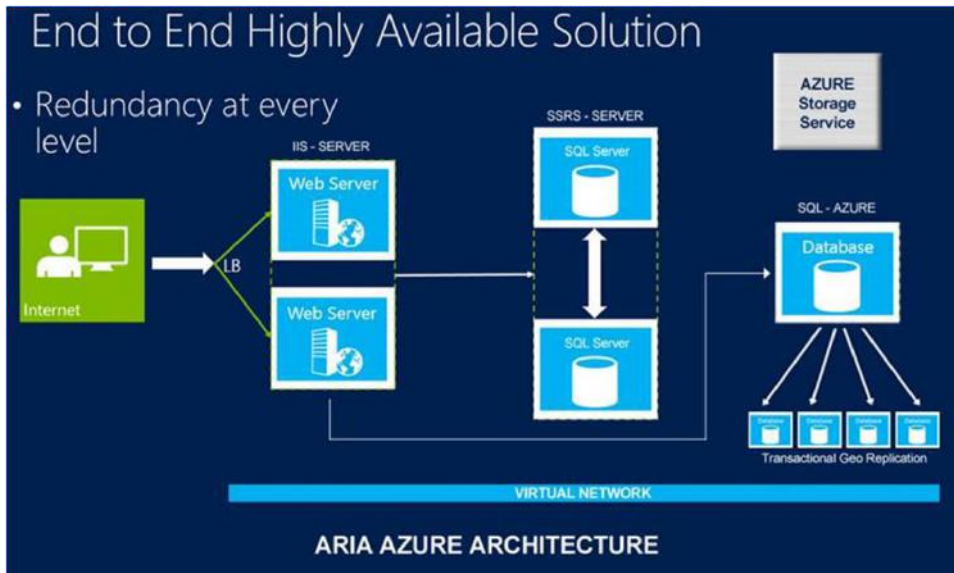
User and Roles Management

Reports for Sales, Property Portfolio, and Finance

Retransform created Aria™, an Easy Property Management Software with Exceptional Support and Services. Retransform chose the Microsoft Azure platform with its Platform- as-a-Service (PaaS) offering to implement ARIA. The Microsoft Azure PaaS platform helped us to create a cloud based offering that is scalable, compliant and offers a better centralized software distribution and management.



Microsoft Azure offers best in class technical safeguards, HIPAA compliance, commitment to security and privacy of data. In addition, Microsoft handles service operations and platform-related updates. Our clients need not be worried about an out- of-date software product. The below diagram illustrates the end- to-end highly available solution that ARIA provides:



HTML5

JQuery

JavaScript

Microsoft Azure

ASP .NET 4.0

Web Services

SQL Azure

Aria™ is an affordable solution with Web Servers deployed as and when required. All the resources are connected with each other via one Azure virtual network. The resources are part of one domain and one common Azure's active directory service. The Azure load balancer (LB) ensures that load is spread across listening endpoints evenly and randomly.

Aria™ maintains a healthy "Availability Set" of Virtual Machines and each Virtual Machine maintains the security features available in the system. Availability set ensure that if one of the VM "dies" for some reason or during updates (which can happen from time to time with VMs) we can be sure that at least one of our VMs will always be online.

We have taken more than two VMs in one availability set; it really depends on the amount of traffic each of our clients generate and the load that that creates. We have one availability set for IIS web server and second set for Reporting server (SSRS). During non-peak hours, only one primary VM will remain ON which will be sufficient to handle minimal workload and traffic. However; during peak hours and when computing power of one VM reaches its threshold limit, other VM of the same availability set gets turned on automatically to take the workload and then LB handles the traffic and load across multiple VMs.

SQL Azure has been used as a backend. Azure SQL Database is the intelligent, fully-managed relational cloud database service provided by Microsoft Azure. SQL Azure provides 'Transactional Geo Replication' feature. This feature ensures that the Client data is accessible and safe even if one or more geographical locations are adversely affected.

We do the disaster recovery management of the system which ensures that system will not be affected or easily recoverable quickly due to any disaster.

In Aria, we have secured attachment feature where users attach multiple confidential large files via separate module of the system. Application uploads all the files via secure encrypted method to Azure storage service. Microsoft Azure Storage is a Microsoft-managed cloud service that provides storage that is highly available, secure, durable, scalable, and redundant. This is cost effective and end to end highly available solutions which ensure that system is up and running 24x7 and redundancy at every level.

# Key Features

## Property Operations Features

Work smarter with the integrated management features of Aria: Prospects convert to leases and Work Orders convert to Invoices. Application and Work Order approval processes support operational policies, while lease expiration and lease clause reminders keep administrators on task.

Lease Management

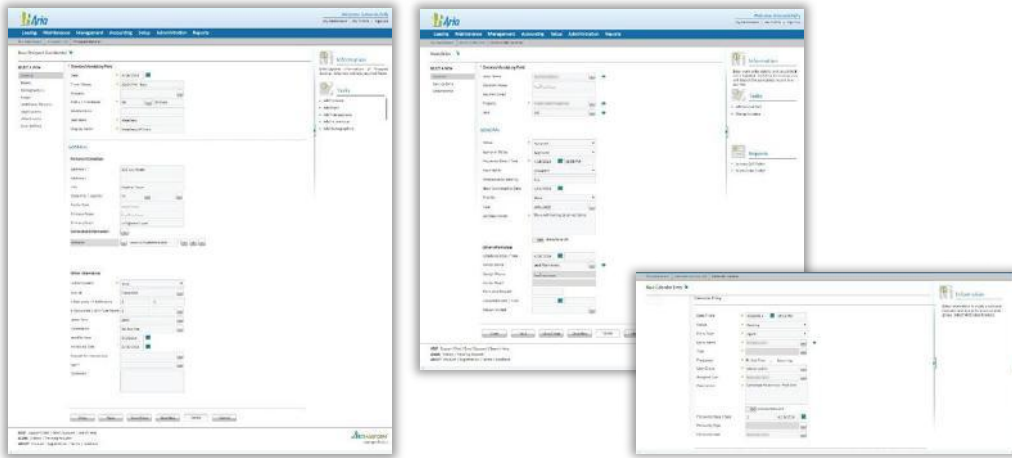
Work Order Management

Prospect Management

Asset Tracking

Calendar Module

100+ Reports



## Accounting Features

Customizable Accounting Templates

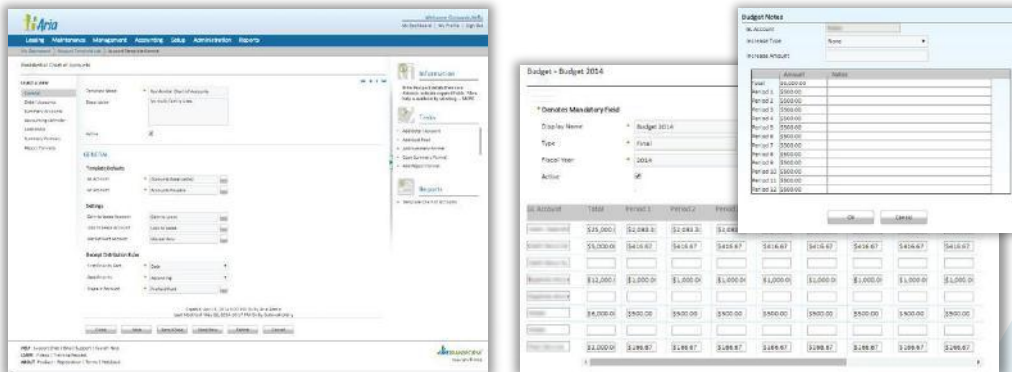
Financial Report Formatting

Batch or Auto -Post Transactions

Unlimited Budgets

Invoice Distribution

Quick Receipt Processing



## Technology and Security Features

Customizable User Dashboard

Web Based Application

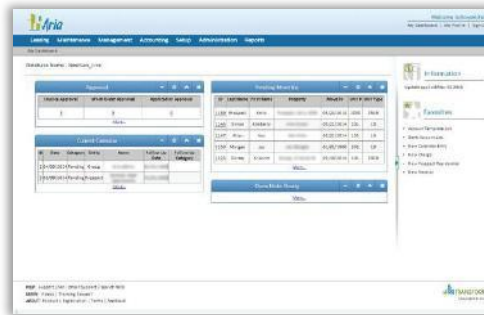
MS Azure Hosted

Encryption of Sensitive Data Fields

Single MS SQL Database for all Modules

Anti-virus Scanning on Attachment Upload

Runs on Major Browsers of Chrome, Firefox, Safari and Internet Explorer



## Benefits

### Support

Aria™ offers best in class technical support that is not only accessible but is responsive to our client's needs. Knowing that your time and effort are the greatest expenses in implementing a new software tool, we have created the Site Training guide to give the on-site users step-by-step exercises to enhance their learning experience. Aria™ offers extensive technology and security features such as encryption of sensitive data fields and has secured Netragard's Platinum External Network Penetration Certificate of Security.



## Marketing

Aria™ can help you streamline your business operations to help focus on what really matters. Capture your prospect data and convert them to residents with the click of a button. Analyze the efficiency of your leasing efforts by tracking where your leads are generated, specific demographic information and conversion rates, just to name a few. Aria's™ built-in screening functions, application process and wait list features will help ensure leasing opportunities are not missed.

## Accounting

Aria™ offers a flexible, fully integrated accounting solution to include customized accounting templates, multiple chart of accounts, quick receipt processing, batch or auto-post transaction settings, extensive report options, and multiple currency settings allowing you to streamline your day-to-day accounting tasks ultimately saving you valuable time and money. The extensive report formatting feature allows users to accommodate a variety of reporting needs specific to your audience - whether it's a lender an owner, investor or manager.

## Management

Aria™ is a comprehensive solution for easy management of accounting and administrative processes. Application and Work Order approvals are supported through operational policies, while lease expiring and clause reminders keep administrators on task.

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