

ARCHITECTURE MATTERS

Born in the Cloud

REMone™ was conceived, architected, and built as a 100% cloud software solution. We offer both applications as a service and a comprehensive platform as a service (SaaS + PaaS). The combination gives you a rich and functional suite of applications and a powerful platform that you can utilize to customize our applications or build your own. Our difference is in our architecture. And architecture matters, even with a cloud software solution.

When you move to the cloud, you don't have to give up control to us. REMone™'s service delivery guarantees ease of provisioning environments, users, configurations and customizations, and 24/7 access to your data. REMone™ ships with tools that you can use to administer REMone™ without needing to call our operations team.

Server Architecture - 100% Stateless

REMone™'s server architecture is 100% stateless. This is one of the most critical aspects of being truly cloud-ready. As a SaaS + PaaS solution, we view being architected to be stateless as a mandatory requirement.

Stateless architecture means that the server contains no state about the client interaction.

State is managed at the client and transferred with each and every server request. Stateless architectures come with many benefits. Chief among them are far greater flexibility, resiliency, fault tolerance and scalability than their stateful counterparts.

Systems built with a stateful architecture exhibit what is known as server affinity which means that there is a persistent connection between a client and a particular server (where state is maintained). If that machine experiences a disruption, then those clients connected to it are impacted. Users will lose work which could result in corrupting in-progress transactions.

With REMone™'s stateless architecture, there is zero impact to the customer. If any machine experiences an outage, subsequent client requests are simply routed to another server which can service them. Since our REMone™ servers never had any state to lose, our client has no indication that anything bad has happened, no work is lost.

Dynamic and Elastic Scalability

Another major benefit of REMone™ is that we can dynamically respond to demand from jobs that consume significant server resources. Immediately, on-demand, and without any effort from you.

Beyond Cloud: ahead of what's next™



"The hpaPaaS [High Productivity Application PaaS] market continues a strong association with SaaS; we now see the emergence of SaaS plus PaaS as a differentiated offering"
- Gartner Group

Our servers are able to elastically scale up and down based on your needs. Large jobs like data migrations or executing a plan optimization put meaningful load on your servers which can impact your quality-of-service. REMone™ is architected to be able to detect that and dynamically scale up servers to deal with the extra demand. Once complete, REMone™ will scale those servers back down so that you don't incur unnecessary cost. With REMone™, there is no need to plan ahead reserving extra capacity and paying for it longer than you require it.

Integrations and RESTful Endpoints

One of the hallmarks of a truly stateless architecture is a rich and easily accessible set of RESTful application programming interfaces (APIs) or endpoints. All public business logic and server functionality is exposed via a set of REST endpoints that can be consumed by other clients.

The most important aspect of our REST interfaces is that there is only one set, where you integrate to REMone™ using the same REST endpoints as our native client user interface. Validate data the same way and apply the same security rules regardless of the source for consistent results. These interfaces are “consumer agnostic”: they work identically regardless of the system invoking them. There is absolutely no way to create data or transactional inconsistencies when integrating with our endpoints.

When your integration is mostly about moving data into and out of REMone™, you can take advantage of a robust toolset that supports bulk imports and exports with custom mappings, outbound events, and external callouts.

Most vendors treat integrations and interfaces as an afterthought. Our architecture recognizes integration a critical part of the foundation of an enterprise PaaS + SaaS solution.



RDMS and JSON: Better Together

Our data access layer is built on top of an enterprise database that combines the tried-and-true power and robust transactional capabilities of a relational database without compromising the flexibility of a schema-less database. JSON support features enable users to combine NoSQL and relational concepts in the same database for a less rigid data model.

Add custom fields or rows without effecting existing rows or application performance. Take advantage of the data types that fit most naturally to individual business use cases. The use of a SQL database with JSON support features ensures full ACID compliance and support for your complex transactions.



About Us

We deliver Real Estate Management software solutions (REM) built on a future proof true cloud PaaS + SaaS platform so you can stay ahead of what's next™. REMone™ Solution Suites are designed to integrate with any General Ledger so you can respond faster to the ever-changing technology and real estate landscape to achieve growth, advance innovation, improve NOI, minimize risk, and provide industry leadership.

For more information visit our website at www.remlogics.net or call us at 1.866.700.0786

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