A LEADING SMB ERP FIRM GETS EMPOWERED

By Utilizing Sonata's Cloud offering

02.05



From Sonata Software - The Platformation Company

Our Client

They are the world's third-largest supplier of enterprise resource planning software with 6 million customer worldwide. They provide software products and services include integrated start-up, small, and midsized business (SMB) market. Their Product Suite includes Accounting and ERP, Construction and Real Estate, Asset Management, Payment and commerce, HRMS.

Opportunity

They faced multiple challenges including:

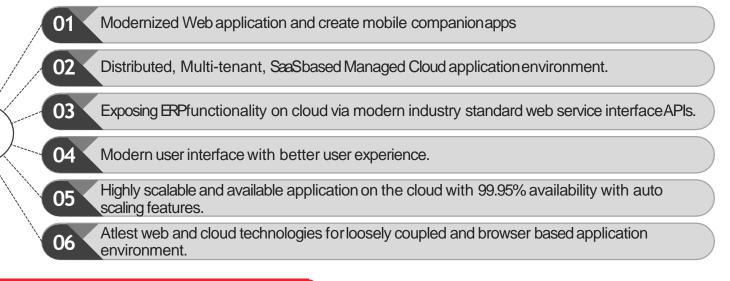
- Competitors were already providing ERPsolutions on the cloud.
- Managing Licensing and onboarding of customers was becoming harder and time consuming day by day.

They had an opportunity to

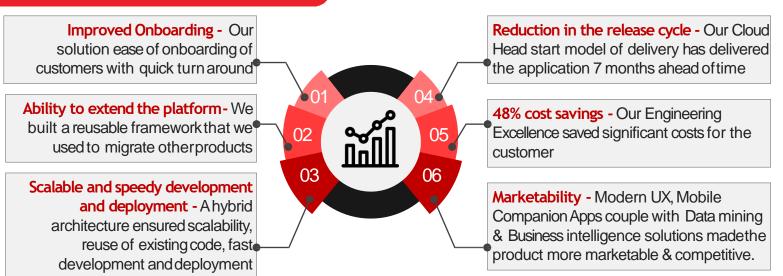
- Reduce cost of maintenance by upgrading the technology stack and reducing the number of versions in the market
- Modernizing the experience of products and offering the solution on new devices and platforms.

Solution

As the Client needed the ability and proven expertise in modernizing, and to migrate their solution to cloud, and deliver a unique and integrated experiences to their customers, They Consulted Sonata to help them in their journey towards cloud based ERPofferings. Sonata built a Versatile Hybrid cloud solution reusing the Azure accelerator



Key Results



Data Cloud Connector

Middleware Solution | Rapid Development | Authentication and Communication

- Large Data Volumes The connector has an alternate flow when it is required to send a large batch of data.
- Real Time Requests the connector can be notified immediately when there is a request ready for processing.
- Transactional and Data Sync workflows data synchronization to retrieve data from the ERPand returning it to the cloud and transactional requests to add something to the ERPand the connector needs to notify the cloud of success or failure.
- Cloud Driven Syncs Tomonitor and control data sync between the on-premises system and the cloud.
- Multi-Tenant support for uploading multiple back office datasets to different tenants in the cloud.
- Health Monitor the monitoring service to enable customer's IT staff to check the health of the connector without logging into the machine it is installed on.
- Fault Tolerance In the event of a failure, any request will be re-started once the machine is up again.
- Auto-Update to deploy new versions of the plugins and domain mediators. This means bugs can be fixed and new functionality can be added without whole ERPupdate.
- Logging This capability could enable futures scenarios of identifying customer's issues before the customer knows they have them.

Data Stores

Polyglot Persistence | Multiple Data Stores

- Azure SQL- used to store most of the data uploaded from ERPdue to its transactional nature.
- MongoDB used to store large volumes of semi-structured data sent from the back office.
- Microsoft Azure Storage (blob, queue and table) The data cloud has a need to store files, images and other unstructured binary data and those are stored inside an Azure storage account.

Rest APIs

Domain Driven Design | Harmonized data access | Re-Usable Functionality

- Domain based APIs API's are segmented by the business domain the data belongsto.
- Application based Security Application based Authentication to provide API's to other cloud or on-premises applications.
- Role Based To secure an API call down to the CRUDIevel.

Platform Components

Background Processes | Multi-Instance | Multi-Threaded

- Multi-instance support Scaled out or in by adding and removing a machine from the worker pool.
- Multi-threaded Each instance of the worker process can run a configurable number of threads at one time.
- Scheduled tasks For scenarios when you just want to run something at a certain time.
- Retry and Error handling Built in fault handling to ensure a request is not lost.

WHY SONATA?

Our focus, depth of understanding and proven expertise in Retail Systems of Engagement make us stand out among our peers. We help retailers retain and enhance their customer base and provide personalized and consistent shopping experience across all channels through deeper business insights. Sonata's expertise stems from:

- 10+ years of experience working with Fortune 500 companies and 200+ successful implementations
- Retail Platform IP solutions that integrate Omni-Channel Commerce, Mobility, Social Commerce, Analytics & Cloud
- Experience with leading retail technologies: SAPHybris, Microsoft Dynamics AX, Oracle, JDA
- Industry ready solution assets that reduce TCO and time-to-market
- Proven large scale implementations
- Global delivery model: Reach, Quality & Cost Effective service

Sonata's platformation approach helps clients to choose a solution that best fits their needs; balancing readily available platforms and solution customization

- 1. Sonata READY: End-to-end, industry-specific digital business platforms
- Sonata ACCELERATE: Deploy popular horizontal platforms adding required functionality
- 3. Sonata CUSTOM: Engineer custom platforms that deliver unique digital capability and scalability

Sonata Software is a global IT solutions firm focused on enabling platform based digital business and technology transformation for enterprises in the Travel, Retail, Distribution and Software industries. Sonata's products and platforms, anchored on its proprietary Platformation methodology, reflect the company's commitment to enable connected, intelligent, open and scalable business systems.

Sonata's portfolio of products and platforms include Rezopia Digital Travel Platform, Brick & Click Retail Platform, Modern Distribution Platform, Kartopia E-Commerce Platform, Halosys Unified Enterprise Mobility Platform and RAPID DevOps, CloudOps and Testing Platform. These platforms have been deployed by leading enterprises across the globe to achieve future ready digital businesses.



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