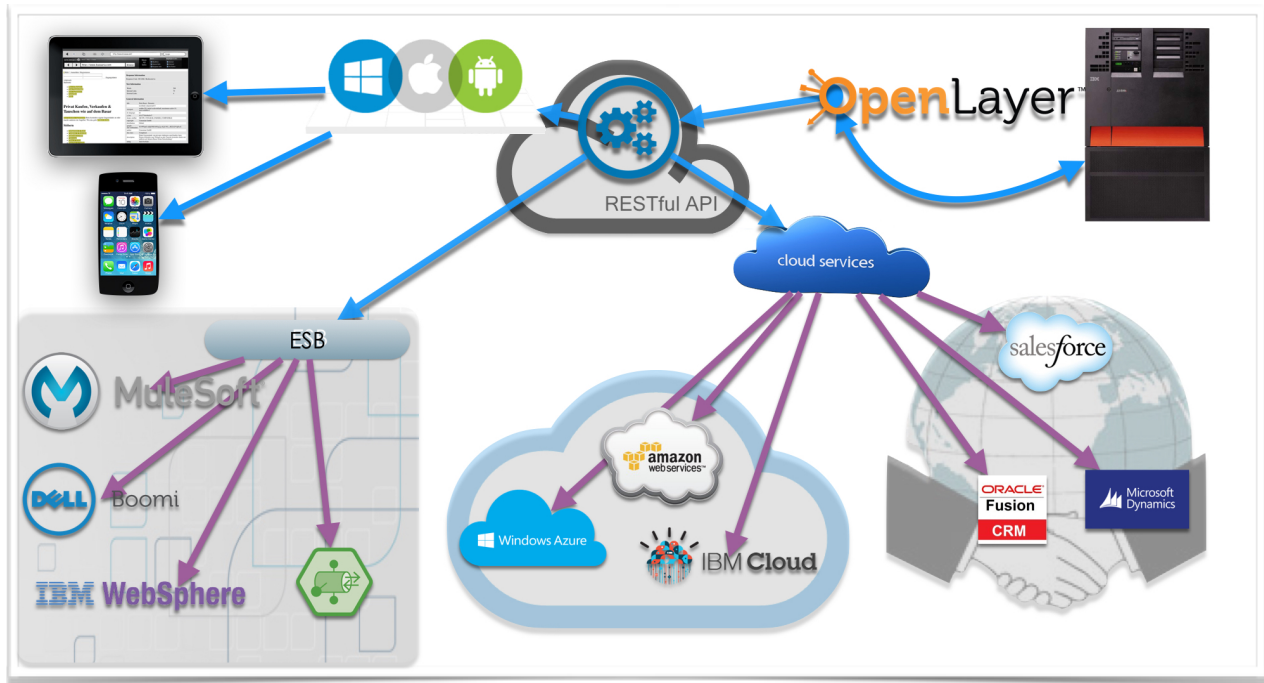


OPENLAYER: LIMITED ONLY BY YOUR IMAGINATION

The Nexus of Forces¹ has made traditional application architectures obsolete, and digital business demands more agility than ever. OpenLayer is a disruptive framework. Its architecture empowers development teams who must adopt to support modern requirements. OpenLayer prepares organizations for cultural disruptions by exploiting the existing technologies and bridging them to the modern technologies.

OpenLayer champions on modern technology ecosystem and provides Agility, Optimized User Experience (UX), API economy, Internet of Things (IoT), Extra-enterprise technologies. It is versatile, robust, maintainable, usable, and scalable. OpenLayer breaks the monolithic approach of traditional legacy applications, one-size-fits-all and enables organizations to deliver fit-for-purpose client applications. OpenLayer provides a web-scale backend and tightly couples with monolithic traditional applications. OpenLayer can be deployed in Private, Hybrid, and public cloud.



OPENLAYER ADDRESSES CHANGING ROLE OF TRADITIONAL IT:

Govern Shadow IT and embrace Citizen Integrators²:

Gartner predicts that, by 2017, at least 65% of new integration flows will be developed outside of central IT³. This makes a strong case for Citizen Integration, but IT leaders are often unprepared to deal with Citizen Integrators, nevertheless IT leaders can add value to the organization by facilitating Citizen Integrators while ensuring effective Governance is in place to minimize organizational risk.

Improve Business Process Optimization:

Organizations have historically struggled to prioritize and fund Business Process Integration/Optimization efforts. With OpenLayer, companies can now Integrate Application and process Functionality, at the End User level, without the need for applications and/or data base level development. This approach, by relying on existing business user functions, facilitates swift, cost effective, and risk free integration.

Accelerate Delivery of Mobile Applications:

Enterprise IT organizations are being asked to deliver large numbers of mobile apps, often outstripping the resources that they have available⁴. The risk to both IT and the Business is having LOBs go outside IT to contract with third-party development firms to build customer-facing mobile apps, as they see these as a critical part to their digital business activities. By dividing front-end development activities from back-end services using OpenLayer, IT organizations can deliver a powerful portfolio of mobile apps by enabling third parties and LOB units to rapidly create effective client apps with a focus on a strong user experience.



THE CHALLENGE IN MODERNIZING LEGACY APPLICATIONS AND PLATFORMS

Additionally, organizations continue to be faced with the challenges of valuable, albeit aging, application portfolios, a difficult economy and the pending retirement of baby boomers, thus requiring them to make



and execute modernization decisions for legacy applications and legacy computing platforms. Many legacy application modernization initiatives are driven by a company's desire to make applications more efficient and cost-effective. Budget and time overruns of legacy modernization projects are frequent, and many modernization efforts stall due to the organization's requirements to retain legacy data and the perceived difficulty in doing so. The roots of this challenge are often found in the nature of these applications: They are complex, loosely coupled and often homegrown and date back decades.

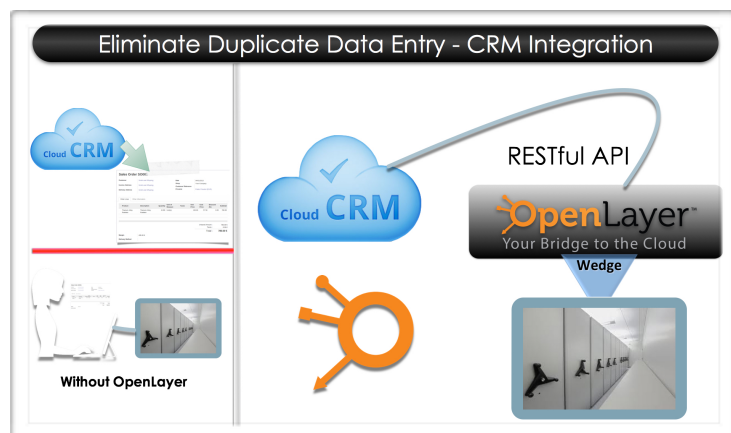
USE CASE SCENARIO:

Technology Inventory: An organization has a home grown ERP, a cloud based CRM, a clipboard to take notes and pass to back-office operators for data entry.

Deliverable: The solution must provide:-

1. A realtime integration between cloud based CRM and ERP, on demand.
2. Integration with ERP must obey existing business rules
3. Zero business disruption or downtime
4. Access to workers in field and stakeholders access the ERP system in real time.
5. Users should be able to personalize their view and only have access to needed data.

The OpenLayer Solution: OpenLayer exposed all transactions in the home-grown ERP to any browser enabled device. OpenLayer did not require any change in the server code or any client software installation. The *auto generated*, highly responsive and customizable user interface enabled the workers in the field and other stake holders to access the application using their mobile devices. The "Extend and personalize" wizard of OpenLayer also permitted users to personalize their user experience and translate into their local language.



The scripting engine of OpenLayer, allowed sales team to develop RESTful⁵ API using the navigation and add / change a sales order in ERP. This API was then called as a trigger from cloud based CRM. This mechanism synchronized the CRM and ERP in real time without any user intervention.



THE VALUE THAT OPENLAYER DELIVERS:

OpenLayer delivers on three critical requirements:



1. **Access:** Anytime / Anywhere Access to any business application via any web browser

2. **Extend:** Personalize user experience across internal, external and cloud service

3. **Integrate:** Minimize Application & Business Process Integration time by eliminating the need for application and data base level development

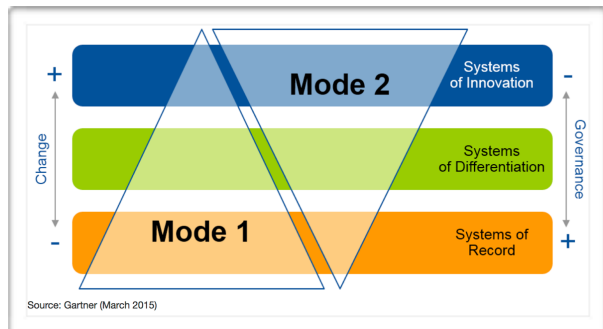
OpenLayer allows you to retain full control of any integration project

OpenLayer is architected to facilitate the integration of diversified systems and fulfills the need of bridging legacy systems with modern cloud based systems. OpenLayer keeps "System of Record" (Mode 1 of bimodal IT) and "System of Agility" (Mode 2), in harmony without requiring any changes to the legacy (Mode 1) environment.

OPENLAYER DELIVERS AN OPTIMIZED OUTCOME:

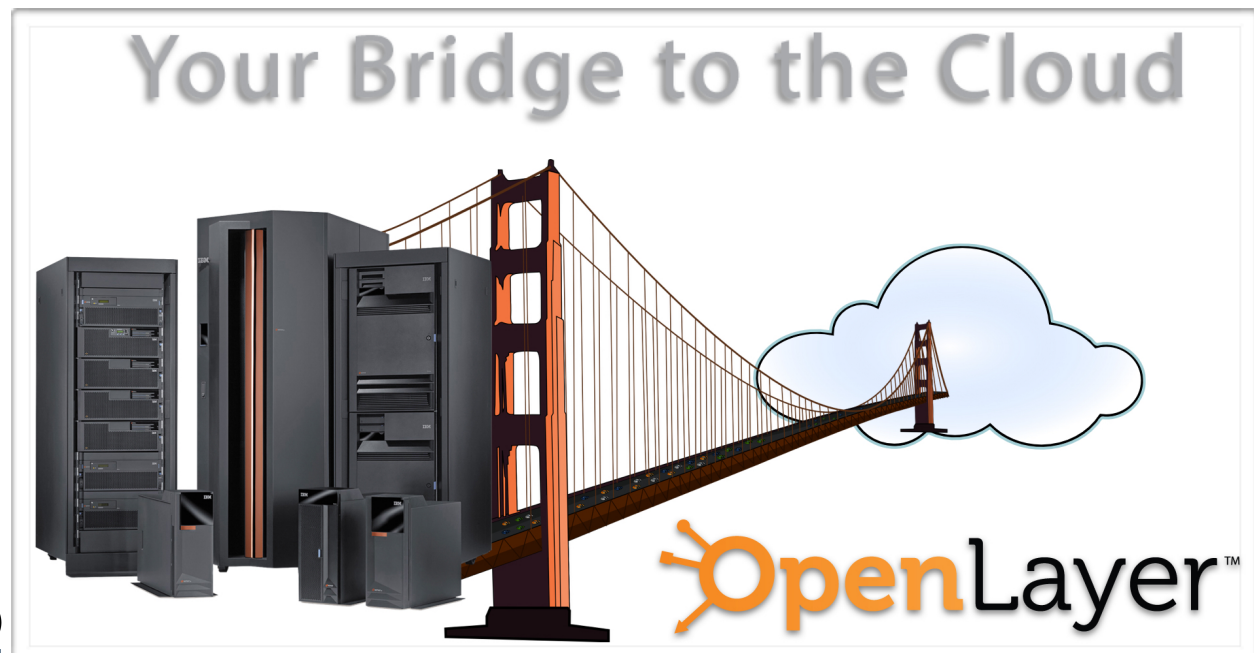
As OpenLayer did not require any change in the server code of ERP, the highly productive legacy users continued to be productive as their user experience did not change. OpenLayer exposed the order entry process and exposed it to Citizen Integrators, by empowering them made it easier to synchronize their sales data from cloud based CRM and sales order in ERP.

OpenLayer helped the organization embrace bimodal IT, harmonize their Mode 1 and Mode 2 systems and allowed users to automate system connections without IT intervention in a secure and controlled manner.



OPENLAYER EXECUTIVE SUMMARY:

OpenLayer is the leading next generation Application Integration & Business Process Optimization solution. OpenLayer provides organizations a new and innovative alternative to traditional integration and optimization approaches. OpenLayer is:



OPENLAYER FEATURES

- 🔗 **Versatile:** Application and Database agnostic
- 🔗 **Non-Disruptive:** No server or application code changes required
- 🔗 **Easy:** Access any application from any browser on any device
- 🔗 **Cost Effective:** Protects your organization core business rule while enabling process improvement
- 🔗 **Mitigates Risk:** By leveraging existing business process, no new risk is introduced to the organization
- 🔗 **Flexible:** Supports Citizen Integration models across the Line of Business and IT organization
- 🔗 **Orchestrate:** OpenLayer harmonizes information across diversified systems
- 🔗 **Future Proof:** OpenLayer Wedge philosophy makes it easier to adapt technologies not invented yet

REFERENCES:

¹ Support Digital Business and the Nexus of Forces With Application Architecture Innovations by Anne Thomas - Gartner Analyst

² Gartner has recently coined the term “Citizen Integrator” to refer to business users taking integration into their own hands. Organizations cannot afford to wait for IT to integrate and connect disparate applications. By strategically fostering citizen integration, IT can enable business users to automate connections themselves; saving valuable resources and ensuring users have what they need – when they need it. These people must be empowered to do so with tools, such as OpenLayer, which make it easier to synchronize their data across their systems (System of Innovation) and their corporate systems (System of Records). In addition, this approach ensures that IT professionals to focus on strategic initiatives.

³ Embrace the Citizen Integrator Approach to Improve Business Users' Productivity and Agility by Massimo Pezzini - Gartner Analyst

⁴ IT Organizations Should Focus on Middleware to Enable Mobile App Development by Van L. Baker | Richard Marshall - Gartner Analyst

⁵ Representational State Transfer (REST) is a software architecture style consisting of guidelines and best practices for creating scalable web services. REST is a coordinated set of constraints applied to the design of components in a distributed hypermedia system that can lead to a more performant and maintainable architecture. REST has gained widespread acceptance across the web as a simpler alternative to SOAP and WSDL-based web services. RESTful systems typically, but not always, communicate over the Hypertext Transfer Protocol with the same HTTP verbs used by web browsers to retrieve web pages and send data to remote servers. REST interfaces usually involve collections of resources with identifiers. The REST architectural style was developed by W3C Technical Architecture Group (TAG) in parallel with HTTP. - Source: Wikipedia

