

Modernize Legacy App to Cloud-Native Microservices with Ionate™ AI/ML

In the era of Digital Transformation, where companies are increasingly dependent on their technology and their systems, legacy ends up being one of the biggest challenges to be faced by Information Technology teams. The reason why legacy systems remain active in most organizations is due to the difficulty of maintenance, long lead times for these projects and the high cost of updating and modernizing them.

GNDI's goal was the discontinuity of the existing integration architecture (monolithic) with the demobilization of WebSphere and the modernization of the integration of legacy systems using the microservice concept.

What is Microservices though?

Microservices is an architectural approach to creating applications. What differentiates microservice architecture from traditional monolithic approaches is how it breaks down application by basic functions. Each function is called a service and can be created and implemented independently. This means that each individual service can work or fail without compromising the others. With the microservices framework, migrating to the cloud becomes seamless.



At-a-glance:

Customer: GNDI
Size: 10K+ of employees
Revenue: \$1,4B+

Country: Brazil
Industry: Insurance
Products and Services:
App Modernization

Customer challenges

GNDI had several systems that integrate through an IBM standard Enterprise Service Bus (ESB) deployed with IBM WebSphere managed via IBM Business Process Manager (BPM).

BPM is used as standard by which a centralized software component performs integrations for back-end systems and makes these integrations and translations available as service interfaces for reuse by other systems.

The governance of these services is centralized and as a consequence, restrictive standards have been created around this platform, which has become complex to manage, difficult to scale and create new services in line with the most modern technologies. GNDI had 130 integrations in this context.

Ionate's Solution

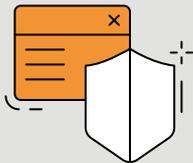
GNDI understood normal legacy modernization would take years to complete, especially the migration of 130 integrations to microservices.

To speed up this process, GNDI selected Ionate for an Application Modernization of 80+ integrations leveraging Ionate's AI/ML platform.

The 50 remaining integrations were rewritten manually due to some peculiarities such as for example, specific connector with SAP and Activación.

In parallel to this, GNDI created a new reference architecture capable of meeting the new demands with the use of microservices and they currently have 81 APIs in operation.

Customer Benefits



Risk Mitigation for EOL and data protection.
Fault tolerant, resilient,
#aisecurity



Hire and retain
the best talent



Cloud-native and
modern architecture,
scalable, #aiops



Reduce OpEx cost of
legacy applications and
save on Day 1 without
licensing dependencies.



Become agile quicker by
shortening the timeline of
modernization projects to
90 days.



Ease of solution
maintenance with modern
microservices as the new
architecture.



Contact Us:
sales@ionate.io



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