

Smart modernization

How to turn legacy systems
into intelligent platforms

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Understanding Smart modernization



Reviewing the old device

Just as you check whether an old smartphone can still run basic functions, we **assess the legacy system** to understand what can be reused and what needs replacement



Parts replacement & internal upgrade

We **modernize core components** such as architecture, databases, and integrations, ensuring a solid foundation to support new capabilities



New screen & modern design

We **upgrade the experience** through improved UX, interfaces, and performance, delivering the speed, fluidity, and usability users expect today



Connecting with smart features

We **add advanced capabilities** like cloud, automation, and AI, transforming the application into an intelligent, scalable platform ready for new journeys

What is a Legacy system?

- › System that can no longer evolve at the speed of the business
- › Contains critical business knowledge embedded in code
- › Difficult and risky to change or integrate
- › Limits innovation, data visibility, and automation
- › Depends on a shrinking pool of experts
- › Creates operational, security, and compliance risk

“What got you here won’t get you there.”

Clayton Christensen, Harvard Business School

Why modernize?

Easier integration with new technologies

Legacy environments limit the adoption of AI, streaming, and cloud-based services

Increased security and compliance

Legacy systems are more vulnerable to cybersecurity threats due to a lack of updates and security patches

Reduced operating costs

Modernization lowers the costs of maintaining and supporting legacy systems

Improved performance and efficiency

Modern systems process data faster, handle larger workloads, and operate more reliably

Improved user experience

Legacy systems deliver outdated, inefficient user experiences

Modernization Strategy

- > **Lift & Shift**
- > **Refactoring**
- > **Modularization**
- > **Cloud Adoption**
- > **Business Reimplementation**
- > **Retirement**
- > **T.I.M.E model (Gartner)**
Tolerate | Invest | Migrate | Eliminate



Service delivery models

Smart Delivery Center

Fixed scope with clear and measurable stages. Ensures predictability, governance, and quality in the evolution of critical systems.

Smart Squad

A multi-disciplinary team capable of handling your technological needs on a open-scope basis, ideal for flexible project adjusting to new business realities.

Global fleet services client

€30 billion+
in annual
revenue

Challenges

- > **Slow feature delivery**
- > **Low-code application** fully built on database logic
- > **Difficulty** attracting new talent
- > **Poor integration** with modern platforms
- > **Outdated user experience** and operational inefficiencies
- > **Sensitive data transmitted in plain text**, without encryption

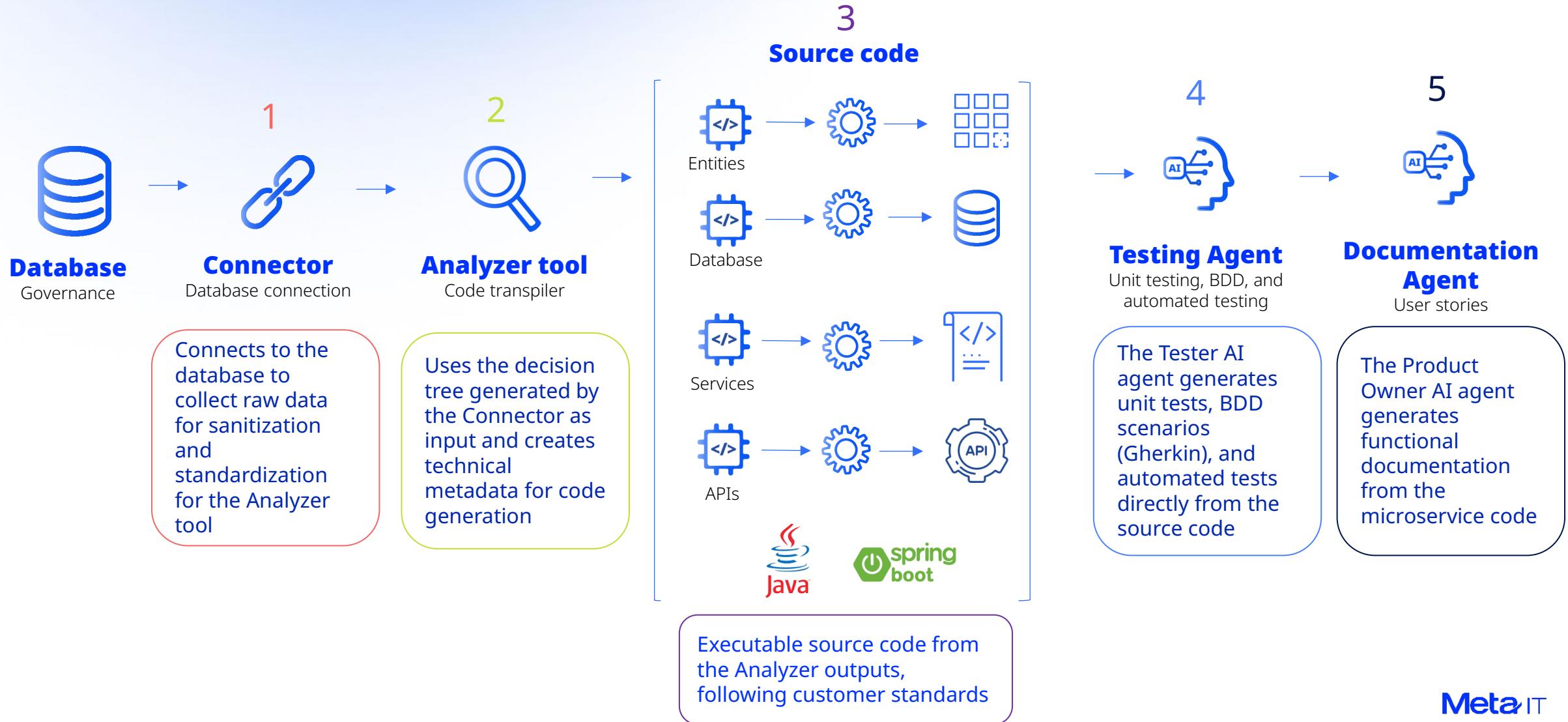
Strategy

- > **Accelerated discovery phase**
- > **AS-IS and TO-BE** assessment
- > **Strategy definition** and **lift-and-shift** approach
- > **Modular architecture** with microservices and APIs
- > Definition of **key business KPIs**

Lessons Learned

- > Start with business, not code
- > Modernize in modules, not in one big step
- > Use AI where it adds control and quality, not chaos

Multi-Strategy case





Our approach

Smart modernization in practice

01

Strategic definition

- › Definition of the strategy for the application to be modernized (impact on the business, key KPIs to be achieved).
- › Business objective & value proposition
- › Modernization Strategy (Lift & Shift, Retirement, Strangler Fig Pattern, AI-assisted conversion)

02

Assessment

- › Map the end-to-end journey, connecting people, processes, and technology.
- › Technical assessment (as-is and to-be) of the technology park, gaps and needs, consolidation and construction of a roadmap with different tracks that allow for evolution in waves.
- › Selection of target architectures (cloud-native, APIs, microservices, containers).

04

Testing and validation

- › Execution of automated tests (with Meta IT AI agents) for performance, load, and regression
- › Validation of resilience, interoperability, and scalability.
- › Ensuring business continuity and data integrity.

03

Transformation

- › Code refactoring or rewriting (with AI agents), prioritizing modularity and integration
- › Automation of manual processes and modernization of UX/UI.
- › Connection to digital systems via APIs, event streaming, or middleware.

05

Implementation

- › Rollout strategy: big bang, parallel, or incremental (blue/green, canary).
- › Configuration of CI/CD pipelines to accelerate releases and reduce risks.
- › Technical training of teams to operate and evolve the new environment.

06

Continuous evolution

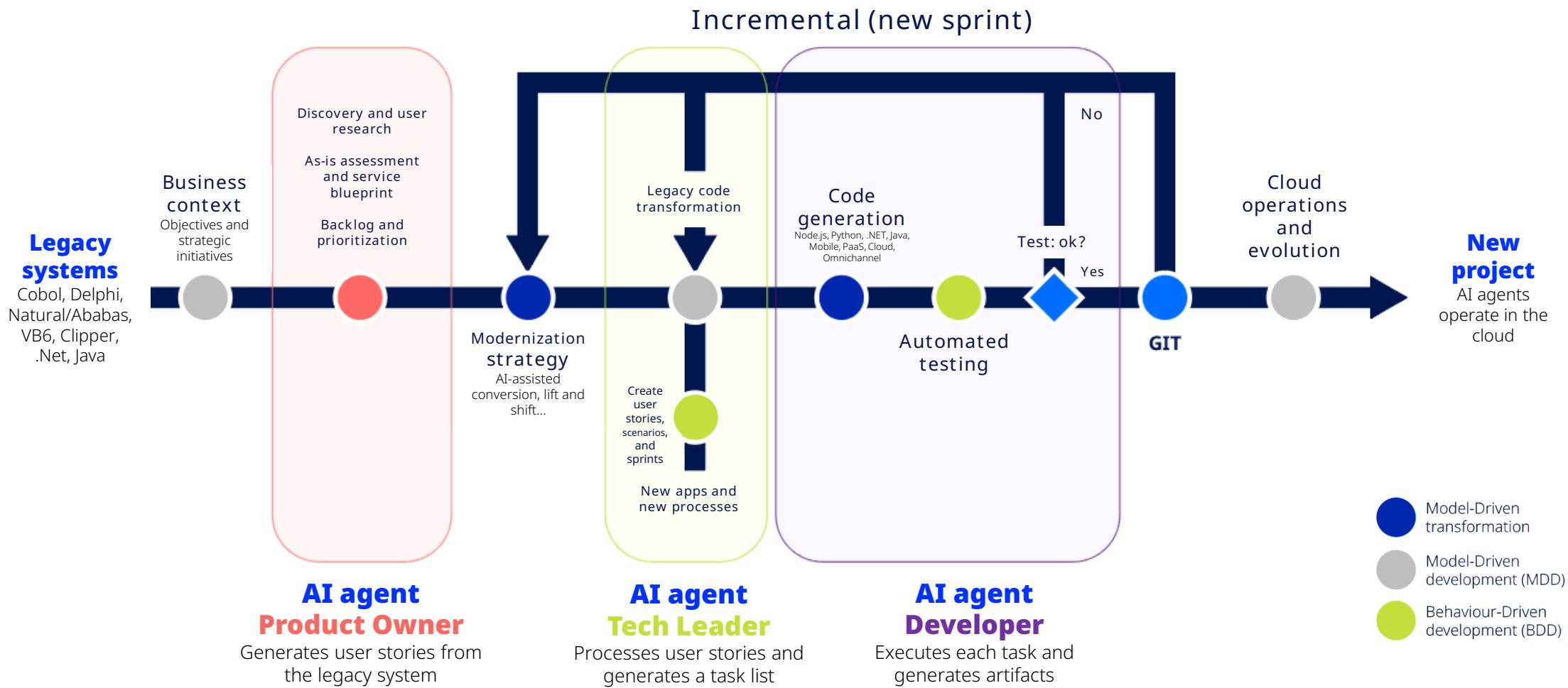
- › Continuous monitoring of performance, security, and costs in the cloud.
- › Adoption of DevSecOps practices and observability.
- › Roadmap for incremental evolution with technology updates and process optimization.

Our approach to Smart modernization

01 AI technical assessment

02 MVP with measurable deliverables

03 Continuous monitoring and execution



Smart modernization benefits

01

Speed

02

Cost control

03

Risk reduction

04

**Future
readiness**

05

**Competitive
advantage**

Meta IT Platform

Partners

Security and privacy



Observability



Artificial Intelligence



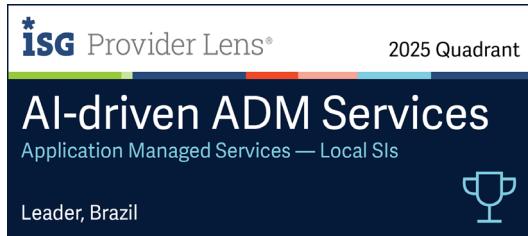
Project management tools



Strategic Partners



We are recognized in
the ISG Provider Lens
AI-driven ADM
Services study as a
Leader in:



The report evaluates the main providers of AI-driven application services in Brazil, considering **portfolio breadth, technical capability, innovation, and market perception.**

Meta IT Custom Software Development Services

"I use some professionals provided by this company and the quality of the service and the support they provide as well are excellent."

★★★★★

IT Manager - Services (non-Government)

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**Modernizing legacy systems
is a strategic decision that
accelerates innovation and
reduces risks**





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<https://metait.ai/nearshore-outsourcing>

Any questions?

Learn how we can help you
with your **smart**
modernization journey



<http://metait.ai/smart-suite>

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