



Atos

Atos Mainframe MIII: Manage-Migrate-Modernize

To keep pace with disruptive new technology and connect with digital initiatives, your business can't afford to be constrained by mainframe legacy platforms



Challenges

- High "run the business" & infrastructure costs
- Monolithic, proprietary applications
- Waterfall IT processes
- Long time to market for innovation
- Diminished skill pool

Application leaders are challenged to provide timely and continuous support for Mode 2 digital business initiatives, but legacy applications and their ecosystems are not ready to support such a delivery cadence.

Gartner; Use Continuous Modernization to Build Digital Platforms From Legacy Applications, 2018



Ideal Solution

- Greater efficiency, less effort in IT operations
- Deploy "Always on" infrastructure
- Move to microservices, native cloud apps
- Transition to DevOps and DevSecOps
- Extract & reuse legacy business logic

"If you're faced with a legacy challenge, the best approach depends on the problem you're trying to solve. Replacement isn't the only option."

Stefan van der Zijden, Gartner



Desired Outcomes

- Reduction in application management costs
- Platform TCO cost savings
- Improve SME recruiting, training & retaining
- Shorter time to market for new features
- Faster and risk free modernization

Through 2020, every \$1 invested in digital business innovation will require enterprises to spend at least three times that to continuously modernize the legacy application portfolio.

Gartner; Use Continuous Modernization to Build Digital Platforms From Legacy Applications, 2018



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Reduce your “run the business” costs and invest in growth with Atos self-funded MIII mainframe modernization offering

Manage

Streamline your mainframe IT operations with intelligent automation and proactive maintenance for higher availability and lower maintenance costs:

- ▶ Intelligent IT Operations
- ▶ Preventive maintenance

15–20%
management cost reduction

Migrate

Migrate your infrastructure to Atos Mainframe Hub with our Mainframe as a Service (MFaaS) offering:

- ▶ Elastic data center operations
- ▶ Performance Management
- ▶ Tactical workload reduction

15–20%
up-front cost savings

Modernize

Incrementally modernize your mainframe applications to a cloud-native, microservices based architecture:

- ▶ Strategic, business-driven modernization
- ▶ Accelerated time to market for new business features

~100%
technical debt reduction

Atos MIII is an IP-driven services framework that boosts the agility of mainframe applications without replacing them. MIII components reduce risk, improve efficiency and enables a self-funded modernization of mainframe workloads to Azure.

Atos Mainframe MIII + Microsoft Azure



Atos & Microsoft – trusted partners for your mainframe digital journey to Azure

Offering Alignment

Microsoft expertise

- ▶ 20+ years as a MSFT Gold Partner
- ▶ Expert Azure MSP Certification on June 2019
- ▶ 7,800+ Microsoft certified experts
- ▶ MSFT global practice with over 1,700 experts
- ▶ Global delivery center with 800+ MSFT experts



IBM mainframe expertise

- ▶ 40+ years of IBM mainframe services delivery
- ▶ 6 Worldwide mainframe hub nodes:
 - ▶ 3 full environments (USA, UK, Europe)
 - ▶ 3 Government hubs (TX & NC)
- ▶ 3,000+ MIPS installed
- ▶ 2,000+ mainframe modernization SMEs



Moving & operating Big Iron on Azure

- ▶ Digital strategy consulting
- ▶ Business case development
- ▶ Solution architecting
- ▶ Azure adoption program design/management
- ▶ Agility advisory consulting



Customer Success Story



Atos **enabled instant provisioning of credit** for US credit card company by modernizing its legacy mainframe system and deploying it to the cloud. The new system uses a microservices architecture & DevOps which allows the client to achieve **faster time to market** for the implementation of new features and products.

2X

Faster Implementation

40%

Effort Reduction

100%

Functional Accuracy

Business Context

- **Monolithic legacy system** processed credit applications in batch mode which resulted in slow **issuance**.
- Application lacked DevOps support causing **time to market** for new products to be too long.
- System was also **not scalable** and did not support reporting.

Atos Approach

- **Application modernization** from monolithic batch system to cloud native application.
- **Atos Exit Legacy** was used for an **incremental modernization approach** based on the decomposing the legacy application functions into cloud native microservices.
- **DevOps implementation** and **technical debt elimination**.

Technology Stack

- **Point of Departure:** COBOL, CICS, VSAM, JCL
- **Point of Arrival:** Java, PCF, Apache HDFS, RabbitMQ, Pivotal GemFire

Thank you

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The Atos logo consists of the word "Atos" in a bold, white, sans-serif font. The letter 'o' is stylized with a circular cutout in the center.

Trusted partner for your Digital Journey