CloudCatalyst

Exiting the data center

Supercharging your
cloud migration strategy

Atos | aws

Data centers have served their purpose, but they're now a ticking time bomb for businesses aiming to scale, innovate, and stay competitive.

Sticking with legacy infrastructure is like keeping the anchor down while the ship of digital transformation sails away. The shift to cloud is no longer a question of "if," but "how fast." And speed matters — because every moment spent managing outdated on-premises systems is a missed opportunity to unlock the full potential of cloud-driven agility, scalability, and cost-efficiency.

Atos CloudCatalyst, in strategic partnership with **AWS,** offers a proven, low-risk approach to cloud migration that accelerates digital transformation while ensuring minimal disruption.

With CloudCatalyst, organizations can efficiently exit their data centers, securely transfer critical workloads, and adopt a cloud-first strategy that drives both operational resilience and sustainability.

In this executive briefing, we'll explore the key strategies to supercharge your cloud migration journey, address common blockers, and highlight how AWS solutions, and Atos CloudCatalyst, can help your organization achieve its digital transformation goals.

Why exit the data center?

The traditional data center is no longer suited to the needs of modern enterprises. On-premises infrastructure is expensive to maintain, difficult to scale, and energy-intensive, making it incompatible with both sustainability objectives and the flexibility required in today's digital economy.

Migrating from these data centers to the cloud not only improves scalability but also reduces operational costs and supports sustainability initiatives by utilizing more energy-efficient cloud infrastructure.

However, moving away from the data center can be complex. Challenges like ensuring security, minimizing downtime, and maintaining compliance can act as roadblocks. But with the right strategy, these challenges can be addressed effectively.

Key drivers for exiting the data center:

1 **Scalability:** Cloud platforms provide businesses with virtually limitless capacity to scale up or down based on demand.

2 **Cost efficiency:** Migrating to the cloud reduces the costs associated with managing physical infrastructure, such as energy, hardware, and maintenance.

3 **Sustainability:** Cloud environments like AWS are increasingly powered by renewable energy, offering a significant reduction in carbon footprints.

4 **Operational agility:** Businesses can rapidly innovate and deploy new services without the constraints of legacy infrastructure.

Accelerating cloud migration with Atos CloudCatalyst

The pace at which organizations must adapt today requires more than just a shift to the cloud; it demands a migration strategy that is swift, precise, and low-risk.

Atos CloudCatalyst, with **AWS,** offers an optimized pathway to accelerate cloud adoption while mitigating the typical challenges associated with migration. By automating key processes and providing tailored solutions for managing critical workloads, **CloudCatalyst** enables organizations to exit their data centers with minimal disruption and maximum efficiency.

One of the greatest challenges businesses face during cloud migration is the potential for **downtime and operational disruptions. CloudCatalyst** directly addresses this concern by incorporating advanced automation tools that streamline workload transfers. This automation reduces the need for manual intervention, maintaining data integrity throughout the migration. In addition, real-time monitoring ensures that performance metrics are tracked continuously, enabling businesses to identify and resolve any issues before they impact operations. This careful orchestration ensures that mission-critical systems remain fully operational, securing business continuity as the migration progresses.
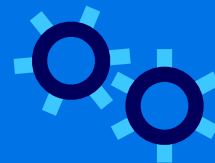
Use automation to improve efficiency and manage costs, leveraging AI to automate repetitive tasks and workflows.

Atos CloudCatalyst provides a clear, structured pathway for businesses looking to accelerate cloud migration. With automation that ensures minimal disruption, scalability that aligns with business needs, and cost efficiency through optimized resource allocation, CloudCatalyst is the critical tool for any organization seeking to supercharge its cloud strategy.

Another key advantage of **CloudCatalyst** is its ability to facilitate **scalability and flexibility**. Cloud migration isn't just about transferring data — it's about setting up your business to adapt and grow as demands change. By leveraging **AWS's elastic scalability,** businesses can adjust resources dynamically, ensuring they only use and pay for what they need. For companies looking to transition incrementally, **CloudCatalyst** also supports **hybrid cloud models**, allowing businesses to keep certain systems on-premises while gradually moving to the cloud. This hybrid approach enables businesses to test cloud environments without fully committing to a wholesale migration, making it a flexible solution for organizations at various stages of digital transformation.

Cost efficiency is another key driver behind cloud migration, and **CloudCatalyst** is designed to ensure businesses see tangible financial benefits. **AWS's pay-as-you-go model** eliminates the need for large, upfront capital expenditures, allowing organizations to allocate resources as needed without overspending. Additionally, **CloudCatalyst** optimizes workloads to ensure they are utilizing the most cost-effective cloud services, maximizing operational savings. With built-in cost management tools, businesses can monitor their cloud usage in real-time, enabling them to identify areas where they can reduce spending further. This approach to cost control ensures that migrating to the cloud is not just an operational upgrade but also a strategic financial decision.

Ensuring security and compliance in the cloud

The move to the cloud raises significant concerns around security and compliance, especially when dealing with critical workloads and sensitive data. The **Atos CloudCatalyst program**, in conjunction with **AWS's robust security framework**, ensures that these concerns are not only addressed but are a central focus throughout the migration process.

A critical element of any cloud migration strategy is data security. With CloudCatalyst, businesses benefit from **end-to-end encryption**, protecting data both in transit and at rest. This encryption ensures that sensitive information remains secure at all times, reducing the risk of breaches during the migration. AWS's comprehensive security infrastructure complements this by offering a suite of additional tools, including **identity and access management (IAM)** and **multi-factor authentication (MFA).** These tools allow businesses to tightly control access to cloud resources, ensuring that only authorized personnel can interact with critical systems and data. The security architecture also includes **intrusion detection and prevention systems**, which actively monitor cloud environments for potential threats, ensuring any suspicious activity is flagged and addressed immediately.

Compliance with industry regulations is equally important, particularly for organizations in sectors with stringent regulatory requirements such as finance, healthcare, or government. CloudCatalyst helps ensure that migrations meet these standards by leveraging **AWS's compliance certifications**, including **GDPR, HIPAA, PCI DSS, and ISO 27001**. With pre-configured compliance settings and automated checks, CloudCatalyst enables organizations to maintain compliance throughout the migration and as part of ongoing operations in the cloud.

> **Atos CloudCatalyst with AWS, provide a comprehensive approach to cloud security and compliance. From encryption and access control to compliance automation and real-time monitoring, these solutions ensure that businesses can migrate to the cloud with confidence, knowing their critical workloads and data are fully protected and in compliance with industry standards.**

This reduces the complexity of meeting regulatory obligations, particularly for businesses operating in multiple jurisdictions, where maintaining consistent compliance across regions is vital.

Furthermore, CloudCatalyst provides businesses with full **audit trails** for all activities related to data access and application usage. This ensures that organizations can track and document all interactions with their cloud environments, an essential feature for regulatory audits and internal governance. AWS's extensive logging and monitoring capabilities give businesses real-time insights into their cloud operations, enabling them to continuously verify compliance and security protocols.

In addition to the robust security features, CloudCatalyst offers **continuous compliance monitoring**, automating compliance checks to ensure that businesses remain aligned with regulatory requirements even as they scale and evolve in the cloud. This ongoing monitoring helps organizations quickly adapt to any changes in compliance standards and reduces the risk of non-compliance, which can lead to costly penalties or data breaches.

Achieving operational resilience and sustainability goals

The ability to adapt and maintain uninterrupted operations is paramount. **Operational resilience** is no longer optional — it's essential for organizational continuity and long-term success. Migrating critical workloads to the cloud, particularly with the support of AWS's global infrastructure, significantly enhances operational resilience. The built-in redundancy, **disaster recovery, and failover capabilities** provided by AWS ensure that businesses can maintain high availability, even in the face of unexpected disruptions or system failures.

Atos CloudCatalyst further strengthens resilience by automating disaster recovery processes, enabling real-time failover mechanisms, and leveraging AWS's multi-region infrastructure. This ensures that **mission-critical workloads remain accessible and functional**, regardless of regional outages or unforeseen challenges. By implementing automated backup and recovery tools, **CloudCatalyst** provides peace of mind, allowing businesses to recover quickly and with minimal disruption to their day-to-day operations.

By migrating to AWS with Atos CloudCatalyst, organizations gain access to unparalleled operational resilience and sustainability benefits. The combination of automated disaster recovery, real-time failover, and renewable energy-powered cloud infrastructure ensures that businesses can continue to operate securely, efficiently, and with a reduced environmental impact.

Beyond resilience, **sustainability** has become a top priority for businesses looking to align their digital strategies with environmental goals. The migration from on-premises data centers to AWS cloud not only boosts operational efficiency but also drives significant environmental benefits. AWS has made substantial commitments to renewable energy, with a target of powering its global infrastructure with **100% renewable energy by 2025**. For organizations, this means that cloud migration can **reduce their carbon footprint by up to 80%**, as they shift from energy-hungry on-premises infrastructure to highly efficient, renewable energy-powered cloud environments.

In addition, AWS provides organizations with tools to track and monitor their sustainability performance, enabling them to report on carbon savings and adjust their operations to meet internal and external sustainability targets. **CloudCatalyst** facilitates this by offering seamless integration with AWS's sustainability services, helping businesses align their operational goals with broader environmental objectives. As a result, businesses are not only future-proofing their infrastructure but also contributing to a more sustainable future.

Supercharge your cloud migration with Atos CloudCatalyst

The pressure to innovate, scale, and meet evolving operational demands is intensifying across every industry. Exiting traditional data centers and embracing cloud migration is no longer a question of competitive advantage — it's a strategic necessity. By leveraging **Atos CloudCatalyst** in partnership with AWS, organizations can accelerate this transformation while mitigating the risks typically associated with large-scale migrations.

CloudCatalyst offers a comprehensive solution that ensures minimal disruption, enhances scalability, and optimizes costs through advanced automation. In addition, businesses benefit from AWS's robust security framework, guaranteeing the safe migration of critical workloads. With integrated disaster recovery, real-time failover capabilities, and AWS's commitment to renewable energy, organizations can achieve both operational resilience and ambitious sustainability goals.

Cloud migration isn't just about keeping up; it's about staying ahead — securely, efficiently, and responsibly.

Take the next step in your digital transformation journey today.

With **Atos CloudCatalyst**, you can securely exit your data centers, optimize your operations, and future-proof your business with a scalable, resilient, and sustainable cloud strategy. Contact us now to learn how **CloudCatalyst** can help you unlock the full potential of cloud migration — enabling growth, efficiency, and environmental impact all in one transformative move.

To learn more, visit **atoscloudcatalyst.com**

About Atos

Atos is a global leader in digital transformation with 105,000 employees and annual revenue of c. €11 billion. European number one in cybersecurity, cloud and high-performance computing, the Group provides tailored end-to-end solutions for all industries in 69 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos is a SE (Societas Europaea) and listed on Euronext Paris.

The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.