

# CLOUD MODERNIZATION WITH ADMnext

COMPREHENSIVE IT, DIGITAL, AND  
DATA-DRIVEN BUSINESS TRANSFORMATION

## **Don't leave your Cloud modernization strategy up in the air**

The potential that Cloud holds for the growth of your applications – and business as a whole – is immense. Many believe that Cloud computing is poised to take on a much more dominant role in the near future as the primary disruptor within the IT space. In fact, Gartner Research has predicted that “by 2024, more than 45% of IT spending on system infrastructure, infrastructure software, application software and business process outsourcing will shift from traditional solutions to Cloud.”<sup>(1)</sup>

## **Shifting skies: Cloud-first organizations will lead the way**

Gartner has dubbed the drive to more rapid and pervasive Cloud adoption as “Cloud shift,” noting that “more than 85% of organizations will embrace a Cloud-first principle by 2025 and will not be able to fully execute on their digital strategies without the use of Cloud-native architectures and technologies.”<sup>(2)</sup>

## **Looking at what makes a successful Cloud modernization strategy – and how it impacts Application Development and Maintenance (ADM) services**

As organizations look to shift focus from legacy monoliths to Cloud-based architectures, ADM services have to adapt and keep pace with the changing requirements.

Cloud platforms such as functional PaaS, container-as-a-service, and Cloud-native development mean that Application Development and Maintenance (ADM) needs to move from a separate build and run model to a continuous and iterative build and operate model with a self-sufficient team. This will require a Cloud infrastructure (also called a landing zone) where security and platform scalability and resilience are pre-built and ready for new applications.

Adoption of microservices are similar to Cloud platforms, in that their build and run models will need to be combined into a self-sufficient team. Additionally, microservices require “infrastructure” around them to run. This means ADM services will need a container and API strategy, monitoring and management, and the maintenance of this entire environment.

Container management also plays a critical role in the Cloud modernization space, as containers are key in running legacy applications within the Cloud. This will require maintenance of the containers and their policies. Of similar importance is API-fication and integration – so a strong emphasis should be placed on API monitoring and management, along with integration strategies and the management of API and integration environments.

## **Sourcing the right partner for your Cloud modernization strategy – and business as a whole**

Making sense of what kind of ADM services are required to ensure your Cloud modernization strategy is a success is a momentous task. This is why so many leaders are opting to partner with Cloud and ADM services experts that can bring all the benefits that Cloud has to offer, in a way that's tailored exactly to the goals of their businesses.

<sup>(1)</sup>Gartner, Cloud Shift Impacts All IT Markets, November, 2019

<sup>(2)</sup>Gartner, Gartner Says Cloud Will Be the Centerpiece of New Digital Experiences, November, 2021



# CLOUD MODERNIZATION WITH ADMnext

ENSURING YOUR ADM LANDSCAPE  
IS GEARED TO SUPPORT AND  
ENABLING YOU TO HARNESS  
THE FULL POWER  
OF CLOUD

Cloud Modernization with ADMnext ensures that your ADM landscape is geared to support and enables you to harness the full power of Cloud for comprehensive IT, digital, and data-driven business transformation through three core capabilities:



**Portfolio optimization and Cloud strategy implementation** with Capgemini's economic Application Portfolio Management (eAPM)



**Cloud Native Development** with Capgemini's Intelligent Automation and Process Mining for Business



**Microservices** with Capgemini's Digital Cloud Platform (DCP)



## Portfolio optimization and Cloud strategy implementation with Capgemini's economic Application Portfolio Management (eAPM)

Capgemini's eAPM is a groundbreaking data aggregation, visualization, and AI-enhanced decision-making platform that can source high-value application transformation opportunities. When applied to Cloud, eAPM employs an Optimize-Transform-Sustain framework. Firstly, we help you Optimize by removing applications with retirement or planned migrations. Next, we help you Transform by analyzing where to Rehost, Refactor, Replatform, or Repurchase:

**Rehost:** A homogeneous migration approach that utilizes a migration tool to perform a block or file level copy of a server and deploys it to a Cloud platform.

**Refactor:** This entails a refactoring or rewriting of the application code using the latest technologies.

**Replatform:** Involves changing an OS, DB platform, or middleware integration or programming language platform from one vendor to another.

**Repurchase:** Shifting to a SaaS platform, for example, moving a CRM to Salesforce.com or an HR system to Workday, etc.

Finally, we help you Sustain with an Agile Execution and DevOps Automation and Multi-cloud Hybrid Management (Cloud Management Platforms or Cloud Managed Services).



## Cloud Native Development with Capgemini's Intelligent Automation and Process Mining for Business

Our Cloud and Cloud Native solutions with Capgemini's Intelligent Automation and Process Mining for Business fuel your transformation through four distinct pillars. These include:

**IT Transformation:** Modernize your IT at the right speed with ADMnext's Cloud Consulting and Transformation, DevOps at Scale, Automated Apps Migration & Modernization, and Adaptive Multi-cloud Operations.

**Digital Transformation:** Solidify your position as a digital leader through Cloud Native Application Development, Cloud API & Microservices tailored to your industry and domain, and the use of Product-driven, 5G, IoT, and Edge solutions.

**Data-driven Transformation:** Leverage the full power of Data and AI with AI-driven Business at Scale, Intelligent Industry, Smart Digital Stores, and Digital Healthcare solutions.

**Business Transformation:** Innovate and create new business and revenue streams with Beta Business, Industry-specific Cloud that leverages a hyper-scalers ecosystem, Touchless Retail, and Renewable Enterprise solutions.



## Microservices with Capgemini's Digital Cloud Platform (DCP)

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Capgemini's Digital Cloud Platform (DCP) enables you to kickstart the development of Cloud-native applications. DCP is our accelerator for multi-brand, multi-tenant Cloud-native applications, which provides you with specific reference implementations for Cloud-native solutions through the following three elements:

**Reference Models** encompass the entire product and customer lifecycle.

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**Core Blueprints and Industry-specific Microservices** include solution blueprints and DCP modules (components and APIs) that are aligned to your specific business needs and also provide the ability to develop additional modules and create new APIs.

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**Industry-focused accelerators** apply pre-built microservices and APIs, which can be deployed as scalable microservices. Some of our industry-focused accelerators and APIs include:

- **Core DCP Services**
  - **Facial Recognition & AI:** Face, location, and weather APIs; menu management, cart, ordering, order history, promotion; loyalty-related APIs and services and social media and email APIs
  - **Trusted Contracts:** Blockchain contracts in hyper-ledger; customer segment tracking APIs and services and promotion APIs and services
  - **Project Management:** Product availability and combinations and metadata configurations; substitute item planning; descriptive product features and associations to enable upsells and recommendations
  - **Delivery Integration:** A single pane to manage orders from multiple lines and geographies; catalogue and availability sync with error handling from master MDM
  - **Omni-Channel:** Conversational commerce data sets and chatbot and notification services.
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# CLOUD IN A BOTTLE

## ADMnext IN ACTION AT A MULTINATIONAL BEVERAGE COMPANY

A prominent beverage company was grappling with an aging, diverse technology portfolio of over 1,400 applications (some of which were redundant). So, they sought out Caggemini as a Cloud modernization partner to address this and help them move out of their primary data center to drive down existing IT costs, while streamlining their future IT operations.

The ADMnext team applied a Cloud-first strategy built on a dynamic deployment roadmap and a plan to reduce existing IT costs. They began by utilizing our proprietary Cloud Choice Assessment to carefully evaluate the applications to be moved to Cloud or decommissioned. Next, the team moved IBM Mainframes and AIX to an x86 Cloud platform as part of heterogeneous migration methodology. Following this, 500+ new Linux servers were migrated to a private Cloud to support the client's SAP environment and aging IBM Power AIX mainframes were replaced with DB2 mainframes and DB2 on AIX, while non-SAP workloads were moved to AWS.

In applying Cloud Modernization with ADMnext, the client was able to reap a host of benefits from our Cloud-first, end-to-end solution that swiftly and effectively moved workloads to the Cloud. These included:



**Rapid identification of over 300 applications for decommissioning and over 900 applications for Cloud migration**



**A 70% reduction in TCO expected over time**



**Projected annual OPEX savings of \$8 to 10 million.**

# WHY ENABLING CLOUD MODERNIZATION WITH ADMnext...

## A DYNAMIC CLOUD CoE AND A DEEP PARTNER ECOSYSTEM

Capgemini's unique Cloud CoE comprises Cloud experts with experience across a wide array of industries. These experts leverage our vast ecosystem to attain the fullest range of benefits by innovating with leading technology partners:

- **Core partners** identify and execute growth initiatives for specific market segments
- **Global growth partners** create or expand markets by integrating new products
- **Emerging partners** support innovations focusing on your priority topics and needs
- **Solution-enabling partners** utilize partner products as enablers
- **Value-added resale services** facilitate software purchases and delivery.

Essentially, Cloud Modernization with ADMnext ensures that your ADM landscape is geared to support and enables you to harness the full power of Cloud for comprehensive IT, digital, and data-driven business transformation. To learn more about Cloud Modernization with ADMnext, contact us [here](#).



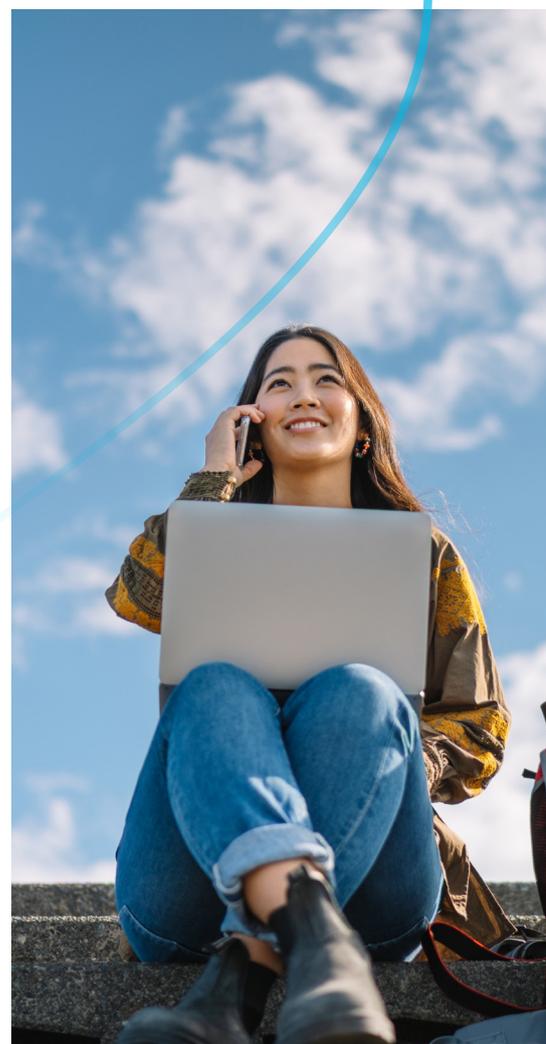
**Clifton Menezes**  
ADMnext Offer Lead  
[clifton.menezes@capgemini.com](mailto:clifton.menezes@capgemini.com)



**Randy Potter**  
ADMnext Chief Architect  
[randy.potter@capgemini.com](mailto:randy.potter@capgemini.com)



**Brian Hammond**  
Group Cloud Offer Lead  
[brian.hammond@capgemini.com](mailto:brian.hammond@capgemini.com)





## About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of over 300,000 team members in nearly 50 countries. With its strong 50-year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fueled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2020 global revenues of €16 billion.

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