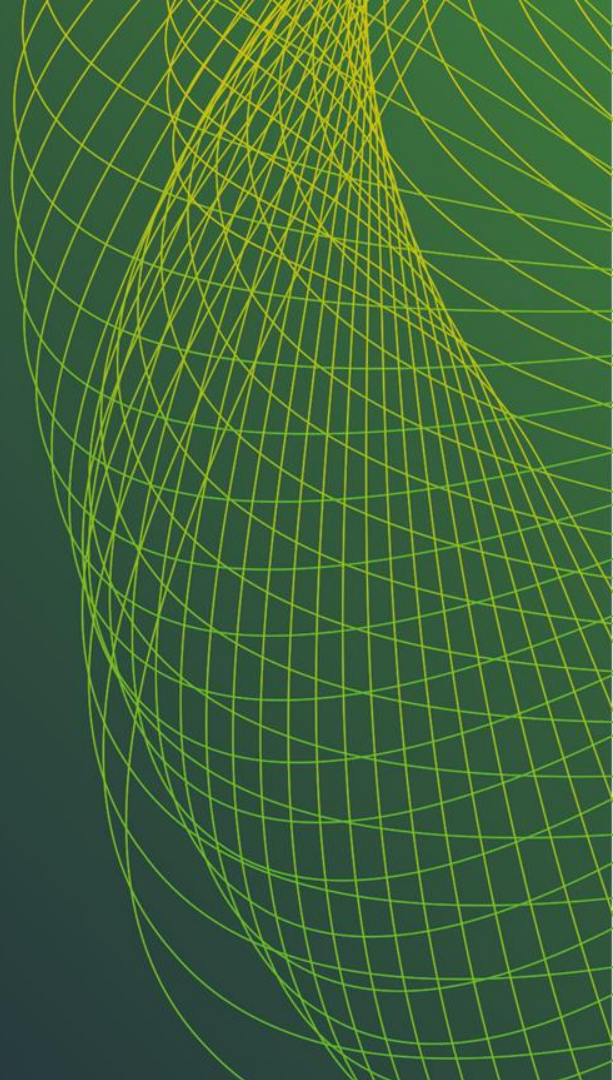

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FSI103

# Global Payments' journey to modernize its issuer processing infrastructure with AWS

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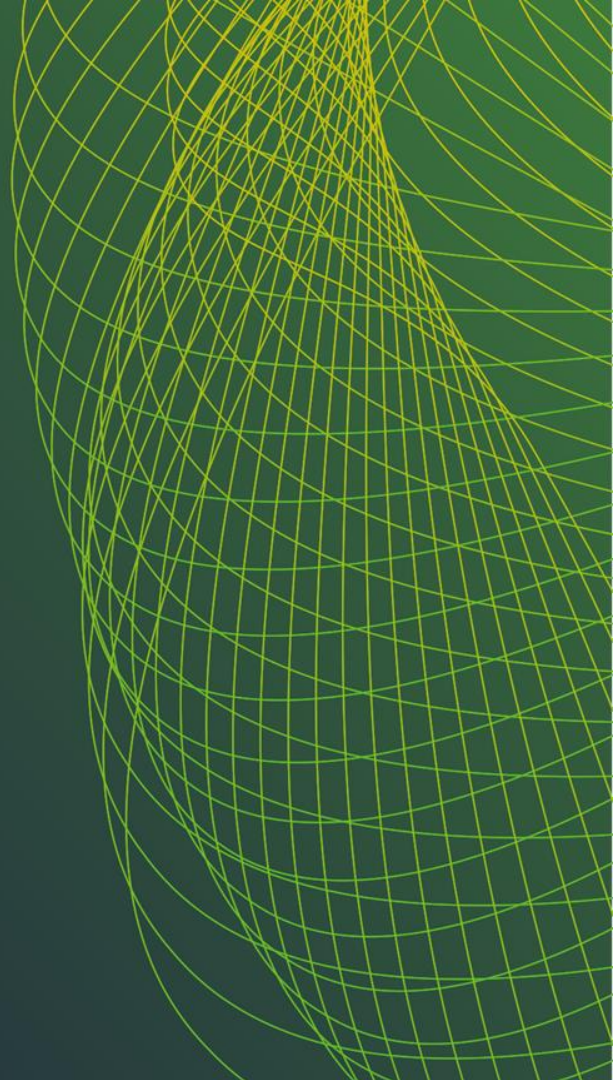
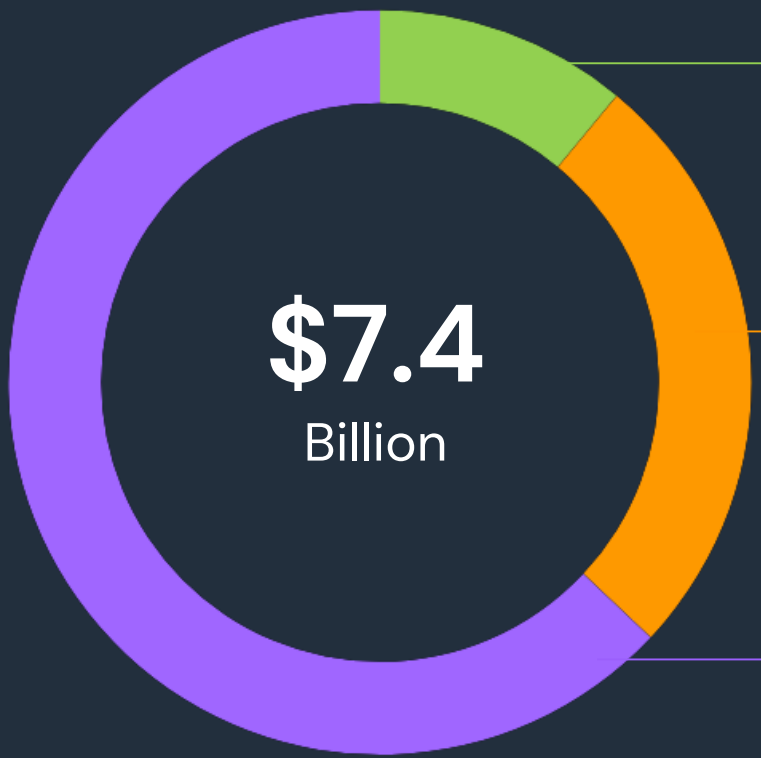


# Global Payments

A connected **commerce ecosystem**




**11%**
Business and consumer solutions

**26%**
Issuer solutions

**63%**
Merchant solutions



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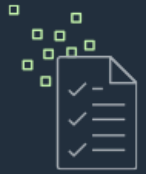
# Embracing the New Paradigm of Cloud Migration

Accelerate change while adapting to evolving consumer behavior



Innovation at scale through collaboration with payment networks and fintech leaders

Machine learning deployment enhancing experience, safety and security

Embracing migration to cloud infrastructure for security, resiliency, customer experience, and security

Unlocking the power of payments capabilities with Microservices and API-centric technologies



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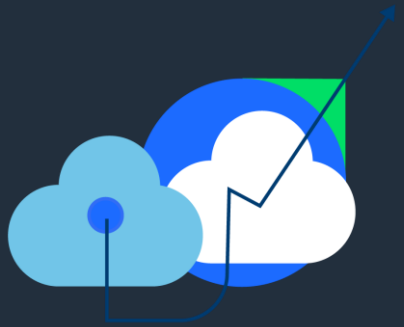
# Issuer Solutions Transformation

Cloud-native Platform and Services with Full Customer Control



**Digital Experiences**
- Enabling Issuers to deliver a connected consumer experience

**TSYS as a Service**
- SaaS delivery model that provides agility and control

**Cloud-native Payments**
- Offering global Issuers robust functionality and scale

**Unlimited geographic reach**
- Bringing industry leading functionality to Issuers around the world

**Innovate at Scale**
- Accelerating the scope and scale of payments innovation

# Global Payments Joins Forces with AWS to Deliver the Future of Payments

"**We are excited to enter into this collaboration with AWS**, which enables us to offer our solutions to institutions regardless of size, location or processing preference.

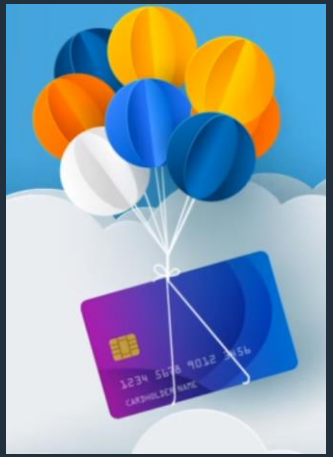
The new platform's cloud-based architecture will give clients the ability to use the services they need with greater speed-to-market, flexibility and best-in-class experiences for our customers and their cardholders."

~Jeff Sloan, Global Payments CEO

"**Global Payments is a leader in the payments technology industry**, and working together, we will provide solutions to organizations—from traditional financial institutions to emerging payment players — to simplify commerce, so they can focus on innovation and growth."

~Andy Jassy, AWS CEO

globalpayments | aws



**Global Payments is an AWS Partner**



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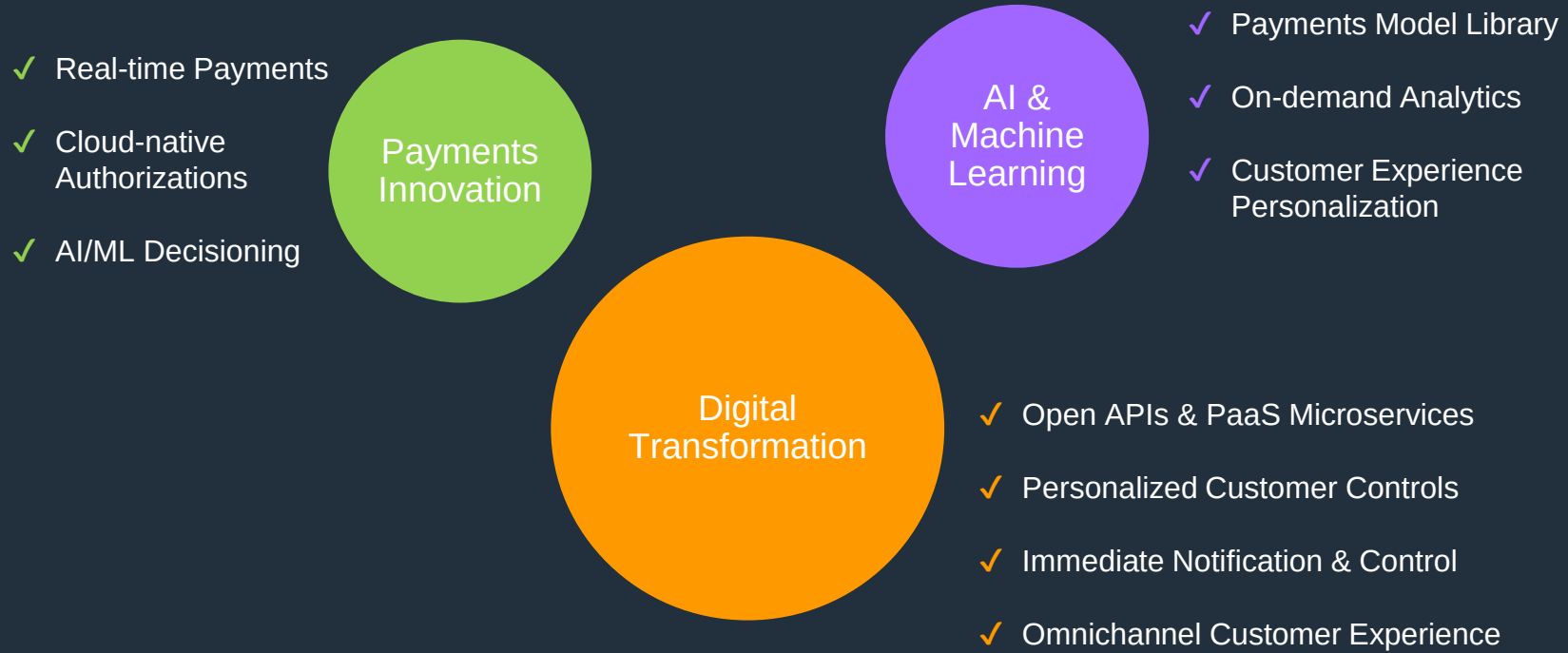
# Strategic Themes for Issuer Solutions Modernization



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# Delivering Portfolio Insights in Under Six Months

**LATAM Financial Institution**

**The Need**: The FI desperately needed more on-demand insights into customer behaviors in order to adapt to changing behaviors and preferences. The need spanned multiple countries and payment solutions.

**The Challenge:** Getting an insights platform in the hands of its business units as rapidly as possible was the key driver. Of nearly equal importance was the ability to launch and refine iteratively, all while preserving the security and privacy of its customers' data.

**The Result:** As a result of our domain expertise and AWS's native cloud services, we were able to deliver a tailored solution for the FI's needs in **less than 6 months** into a brand new market, with the ability to rapidly extend to new markets in just weeks.



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# Legacy to Cloud Migration:  Technology Approach

## Key Considerations

## Technology Approach

- Synchronize data from on-premise data stores to cloud
- Configure clients and data hosted in the cloud environment
- Simplify data access through migration
- Selectively migrate applications based on cloud readiness
- Decompose data on the cloud environment to enable new uses & cloud capabilities



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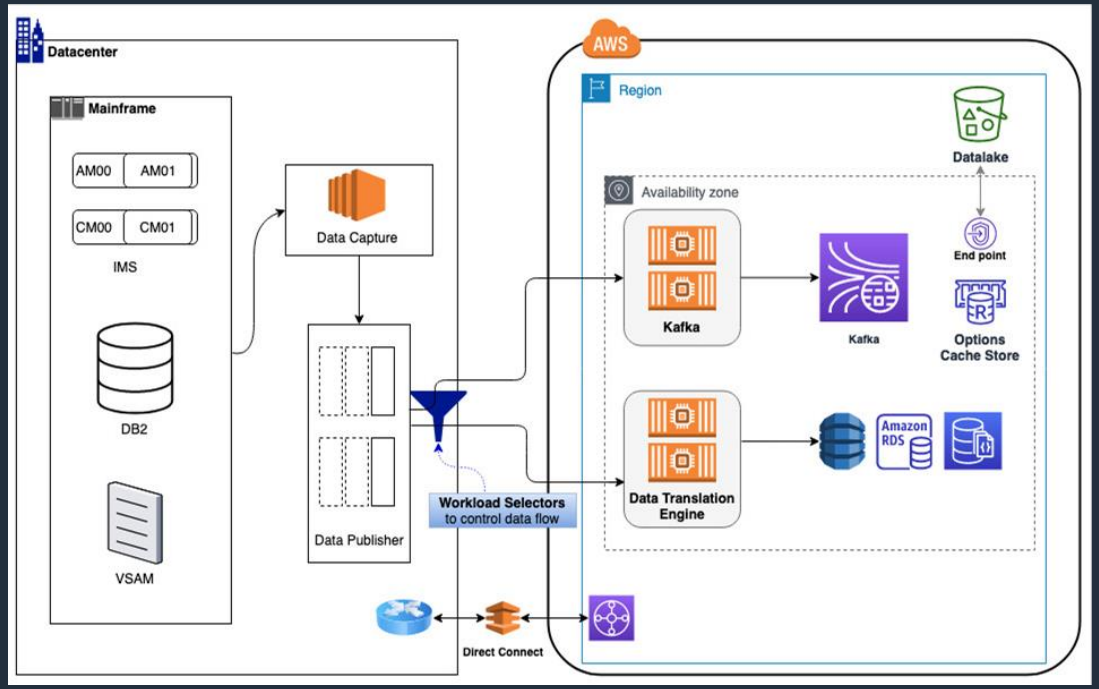
# Data Synchronization




## Real-time capture and transfer of Data to AWS Cloud

- ✓ Asynchronous capture of events from source databases.
- ✓ Multiple engines to scale data transfer and translation.
- ✓ Supports relational, non-relational target datastores.
- ✓ "Workload selectors" allow filtering and enablement of specific client and product data workloads. Rule extensions allow for granular control of data flow to cloud.



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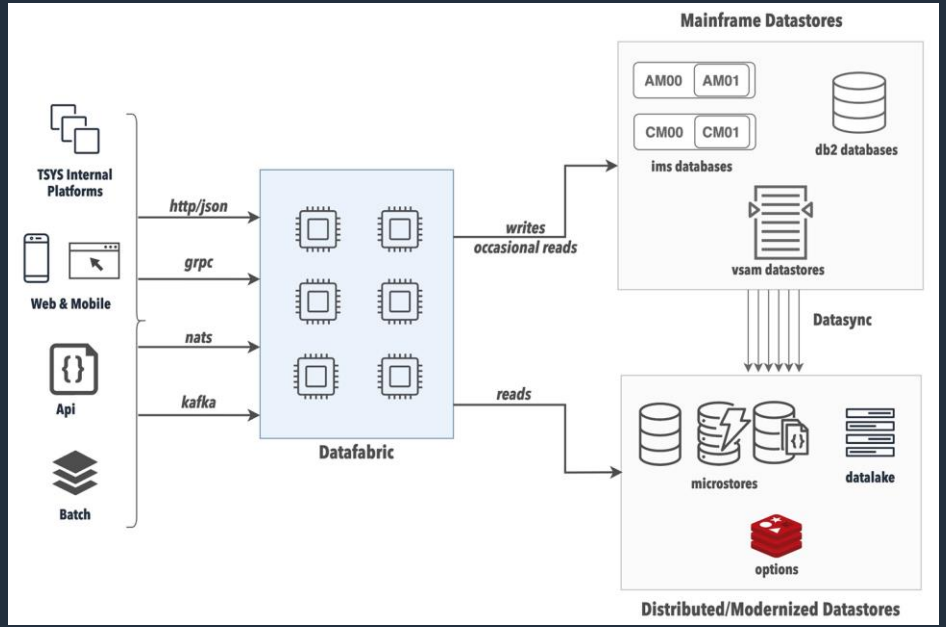
# Selective Application Migration

- ✓ An **Enterprise Data Fabric** is a critical component for migration to newly modernized applications
- ✓ Scaled migration techniques such as **Canary Migration** are enabled through the “EDF” to manage risk of migration errors
- ✓ Reduces disruption to clients who are at various stages of migration.



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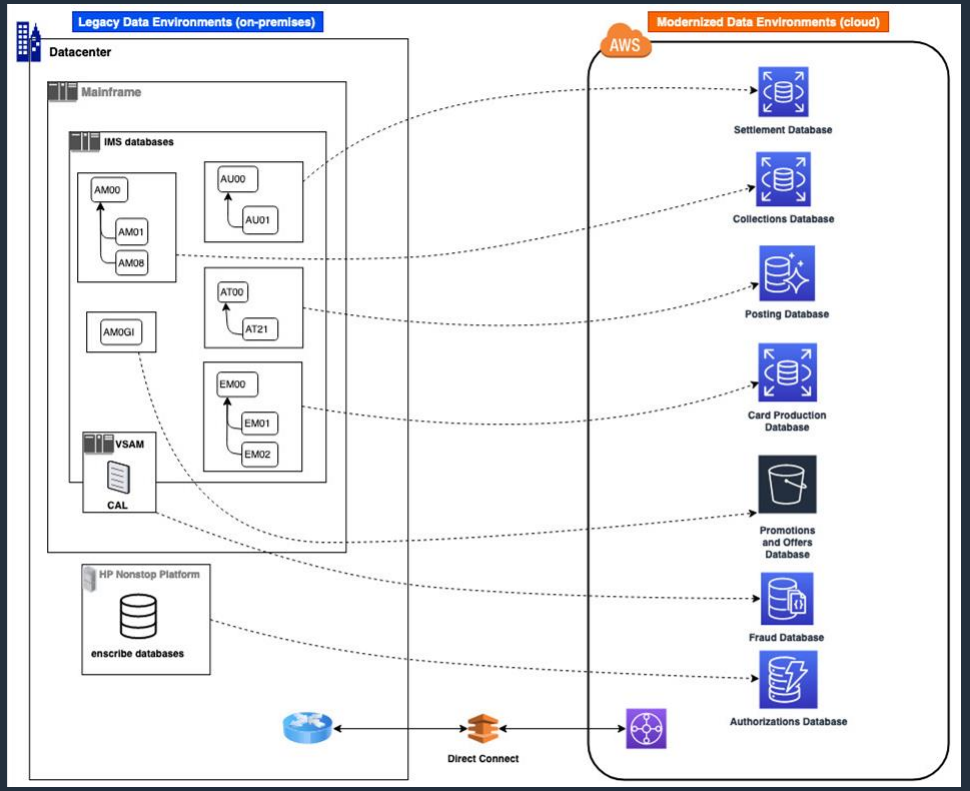
# Decomposition of Legacy Data Stores

## Unlocking the value of data in the AWS Cloud

- ✓ Reorganization and modularization of 40 year old data and technology.
- ✓ New stores based on “fit for purpose” technology - DynamoDB, DocumentDB, ElasticCache, RDS.
- ✓ Independence of data enables decoupling of products and services.
- ✓ Clients can have “on demand” consumption of our payments capabilities.



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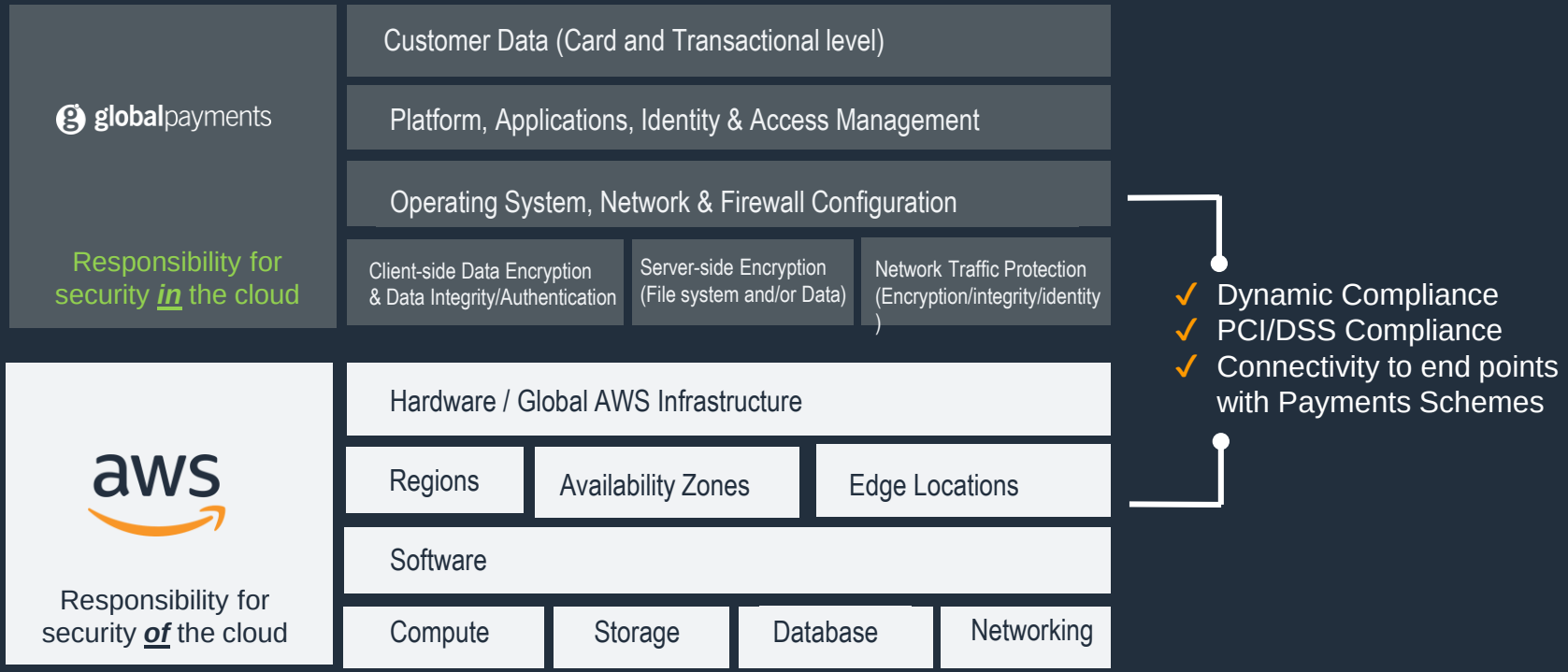
# How Global Payments and AWS Share Responsibility for Security



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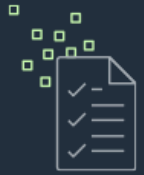
# Why Modernization?

By Harnessing the Cloud, Issuers can Provide Consumers the Frictionless, Digital Experience They Expect



## Digitalization

Accelerate the pace of digital transformation to deliver exceptional, connected customer experiences

## Agility

Meet rapidly changing customer demand to keep pace with the rate of innovation and competition

## Open Banking

Open platforms and services to meet the demands of regulators and customers for portability, transparency, and innovation

## Resiliency

Resiliency that only cloud can deliver to meet the “always-on” demands of customers and regulators



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# Thank you!


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