AWS Cloud Adoption with New Relic

Use New Relic One with our Cloud Observability Framework to get to the cloud faster.
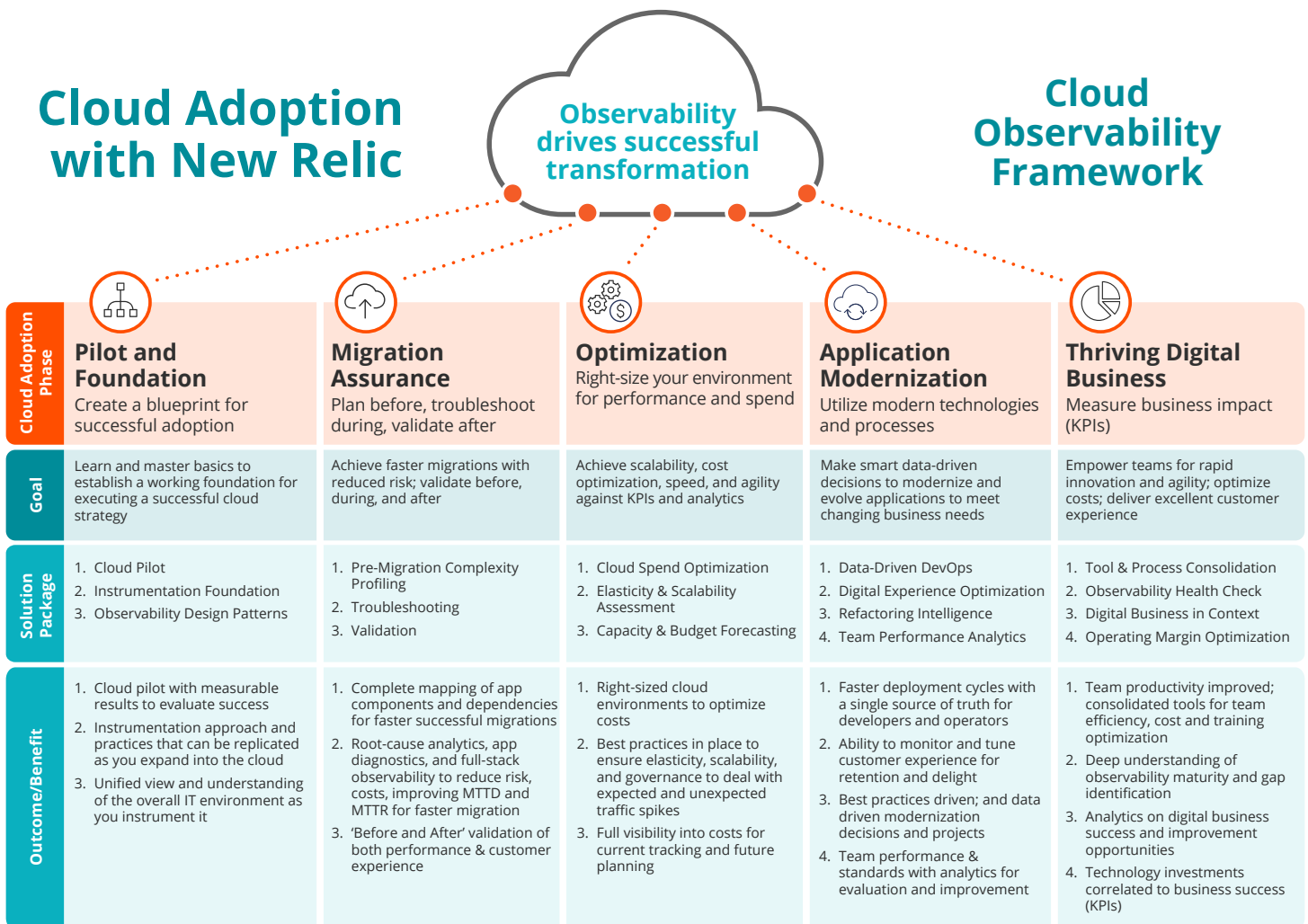
For businesses to remain competitive and keep up with customer expectations and the fast-changing business environment, they must embrace digital transformation and modern software. Moving to the cloud, developing in the cloud, and empowering a DevOps culture are all essential to delivering fantastic customer experiences that fuel growth and transformation.

As companies embrace an AWS cloud strategy, a roadmap for every phase and step can help you speed through the journey and reduce risk. Especially when you have hybrid workloads in on-premises data centers and in the AWS Cloud, a framework can guide your cloud adoption and maturity.

Gain agility and innovation in the cloud

New Relic's Cloud Observability Framework offers a roadmap with discrete solutions for success in any cloud journey phase. Built on our observability platform's power and our in-depth knowledge of developing and operating in the cloud, it facilitates an AWS cloud journey that makes your team and business more agile and innovative in the cloud:

- Plan and execute migration to the cloud
- Prove migration success easily
- Justify and optimize your cloud spend
- Modernize faster with proven best practices
- Enable rapid innovation and agility

Cloud Adoption with New Relic

Observability drives successful transformation

Cloud Observability Framework

Cloud Adoption Phase	Pilot and Foundation Create a blueprint for successful adoption	Migration Assurance Plan before, troubleshoot during, validate after	Optimization Right-size your environment for performance and spend	Application Modernization Utilize modern technologies and processes	Thriving Digital Business Measure business impact (KPIs)
Goal	Learn and master basics to establish a working foundation for executing a successful cloud strategy	Achieve faster migrations with reduced risk; validate before, during, and after	Achieve scalability, cost optimization, speed, and agility against KPIs and analytics	Make smart data-driven decisions to modernize and evolve applications to meet changing business needs	Empower teams for rapid innovation and agility; optimize costs; deliver excellent customer experience
Solution Package	1. Cloud Pilot 2. Instrumentation Foundation 3. Observability Design Patterns	1. Pre-Migration Complexity Profiling 2. Troubleshooting 3. Validation	1. Cloud Spend Optimization 2. Elasticity & Scalability Assessment 3. Capacity & Budget Forecasting	1. Data-Driven DevOps 2. Digital Experience Optimization 3. Refactoring Intelligence 4. Team Performance Analytics	1. Tool & Process Consolidation 2. Observability Health Check 3. Digital Business in Context 4. Operating Margin Optimization
Outcome/Benefit	1. Cloud pilot with measurable results to evaluate success 2. Instrumentation approach and practices that can be replicated as you expand into the cloud 3. Unified view and understanding of the overall IT environment as you instrument it	1. Complete mapping of app components and dependencies for faster successful migrations 2. Root-cause analytics, app diagnostics, and full-stack observability to reduce risk, costs, improving MTTD and MTTR for faster migration 3. 'Before and After' validation of both performance & customer experience	1. Right-sized cloud environments to optimize costs 2. Best practices in place to ensure elasticity, scalability, and governance to deal with expected and unexpected traffic spikes 3. Full visibility into costs for current tracking and future planning	1. Faster deployment cycles with a single source of truth for developers and operators 2. Ability to monitor and tune customer experience for retention and delight 3. Best practices driven; and data driven modernization decisions and projects 4. Team performance & standards with analytics for evaluation and improvement	1. Team productivity improved; consolidated tools for team efficiency, cost and training optimization 2. Deep understanding of observability maturity and gap identification 3. Analytics on digital business success and improvement opportunities 4. Technology investments correlated to business success (KPIs)

Observability: Successful cloud adoption at every stage

For most companies, a move to the AWS Cloud will happen in stages, whether one application at a time, a portfolio, or migrating all applications. Achieving anticipated outcomes along the way means you can move with confidence, knowing that you have the right information at your fingertips to plan and de-risk your projects appropriately. Observability provides the in-depth, real-time information you need to drive predictable outcomes as you migrate. In addition, observability:

- Enables data-driven decisions, better outcomes, and accelerated adoption.
- De-risks complex migrations and helps you prove success after each phase.
- Requires that you instrument everything as a best practice to avoid blind spots and migrate applications faster.

Why New Relic for observability?

Our New Relic One observability platform—composed of the Telemetry Data Platform, Full-Stack Observability, and Applied Intelligence—is essential to the success of your AWS cloud journey. Our predictable, affordable SaaS-based pricing model enables 'observability for all'. The platform enables you to:

- Ingest telemetry data from any source to provide a consolidated performance view across the stack showing 'before, during, and after' migration value
- Access analytics at scale, spanning technical to business data, for fast feedback on migration progress
- Optimize and justify infrastructure and cloud service usage through our deep integrations with AWS
- See errors and latency issues to spot roadblocks early and avoid costly delays

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How Fleet Complete used New Relic and AWS to keep data flowing and vehicles rolling

Fastest growing fleet data provider moved to AWS to drive hyper-growth.

- ***Migrated*** *60% of workloads in 12 months*
- ***Modernized*** *hybrid applications, adopting cloud architecture using a distributed model (Kubernetes, Kafka, machine learning)*
- ***Optimized*** *with a DevOps goal of continuous software delivery by accelerating software release cycles from once a month to once a week*

Read more about Fleet Complete's cloud journey.

Why New Relic?

New Relic is built in the cloud, for the cloud. We are experts in developing and running modern software to ensure you get results, no matter how complex your environment.

- More than 17,000 global customers—and more than 50% of the Fortune 100—rely on New Relic
- Gartner Peer Insights Customers' Choice for APM with 92% approval rating
- AWS Advanced Technology Partner (migration, DevOps, government, mobile, and retail competency)
- FedRamp certified
- **Proven customer outcomes**
  - Data Center Decommissioning: 25% faster
  - Accelerate 'time to thrive' phase with 8% lower cloud spend
  - Productivity Improvement: 21% less engineering time
  - 48 hours of instrumentation can save three months in work effort and overlap costs

Next steps

- **Sign up for a** free New Relic One account **today**
- **Contact a New Relic** Cloud Specialist
- **Visit us at** newrelic.com/solutions/cloud-adoption

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