# Drive business differentiation and value through cloud migration

## Accelerate your journey to the cloud: Re-host and re-platform 40% faster

Cloud enables organizations to increase efficiency, business value, and agility. Accelerated cloud migration is critical for over 87% of businesses for their digital transformation and ongoing innovation. Companies need high-velocity cloud migration to stay competitive and future-ready.

Virtusa's robust cloud migration and data center exiting capabilities enable high elasticity for cost alignment, offload cloud management, and infinite scalability.

**With Virtusa's cloud migration strategy, clients achieve.**

**25-50%**
improved time-to-market

**30%**
increase in productivity

**99.99%**
reliability

**50%**
faster application delivery

# Why clients are choosing Virtusa

## Engineering DNA

With over 30 years of deep expertise in banking, telecom, high-tech, healthcare, and life sciences, Virtusa's expertise in digital engineering sets us apart.

## Accelerated migrations

Using the Virtusa IP suite of purpose-built migration tools, we have completed migrations at greater speed (by 40%) than our peers.

## Strong partner credentials

Competency Partner for 5+ years in migration.

Premier Consulting Partner (highest partnership level) with AWS.

## Right-sized approach

Virtusa's approach and size deliver the perfect balance of scale, speed, and flexibility.

# Capabilities

**Applying industry-specific best practices in a cloud-first world**

Virtusa employs a multifaceted, factory-based approach for migrating and modernizing applications at scale.

**The approach centers on the following key elements:**

**Assessment:** We utilize multiple accelerators and tools to assess an enterprise's application portfolio and determine patterns and dependencies for migration and modernization.

**Migration pattern alignment:** We establish and develop the factory assembly lines for application and data migration using a horizontal approach.

**Factory-based migration approach:** Leveraging our asset inventory and reference libraries, we correlate an enterprise's application migration using assessment and roadmap.
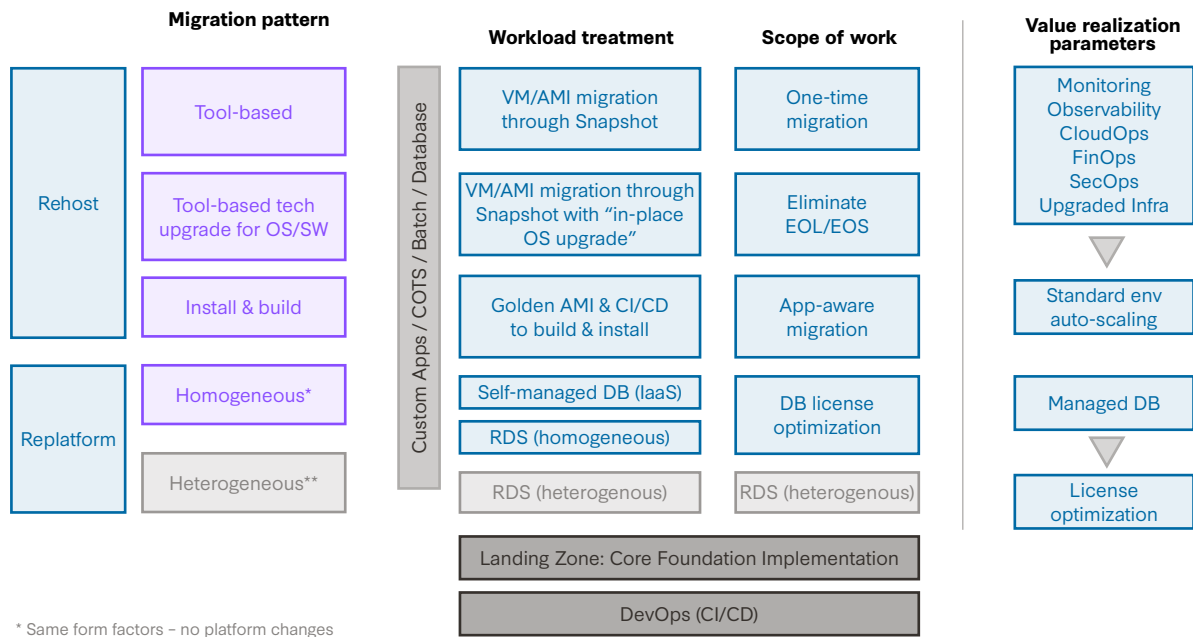
**Automated testing:** We leverage automation during the code commit and test deployment phases, where more than 75% of the code base, performance, service, and UIs are tested.

**Cloud business office:** Our cloud business office (CBO) works with existing client release infrastructures to deliver QA to production. The CBO utilizes a platform release dashboard to monitor migration and modernization tasks across technical environments.

**Hypercare:** As part of its modernization factory offering, Virtusa offers hypercare support which is a 30-day, standard support service based on customer-defined SLAs to cover a range of business KPIs stemming from application operability and uptime once migration cutover is complete.

**Operational readiness:** Virtusa utilizes a reliability and readiness assessment approach to ensure that the target modernized platform is ready from an operational perspective following SRE and security principles before cutover.

# Cloud Shift migration: a deeper view

| Migration pattern | | | Workload treatment | Scope of work | | Value realization parameters |
|---|---|---|---|---|---|---|
| Rehost | Tool-based | Custom Apps / COTS / Batch / Database | VM/AMI migration through Snapshot | One-time migration | | Monitoring Observability CloudOps FinOps SecOps Upgraded Infra |
| | Tool-based tech upgrade for OS/SW | | VM/AMI migration through Snapshot with "in-place OS upgrade" | Eliminate EOL/EOS | ▽ | |
| | Install & build | | Golden AMI & CI/CD to build & install | App-aware migration | | Standard env auto-scaling |
| Replatform | Homogeneous* | | Self-managed DB (IaaS) | DB license optimization | | Managed DB |
| | | | RDS (homogeneous) | | ▽ | |
| | Heterogeneous** | | RDS (heterogenous) | RDS (heterogenous) | | License optimization |

Landing Zone: Core Foundation Implementation

DevOps (CI/CD)

\* Same form factors – no platform changes

\*\* Different tech stacks

# Accelerators

## Fast-track cloud migration with Virtusa's technology accelerators

Virtusa possesses and utilizes multiple technology accelerators that fast-track application migration and modernization.

**vPaaC:** Accelerated infrastructure provisioning with automated deployment of IaC (with security by design) improves productivity by 30%.

**Migration factory:** High-velocity migration enabled through proven processes, skilled resources, and a template-based migration approach.

**Smart containers:** Automated containerization with deep discovery and DevOps support.

**Total SRE:** Framework and methodologies to operate platforms at scale, including resiliency processes in SDLC, inspired by SRE from Google.

**Ansible studio:** Lightweight visual studio code extension for configuration management and automation of polycloud infrastructure.

**Terraform Studio:** Virtusa's Visual Studio Code extension for Terraform provides a comprehensive solution for managing environments and infrastructure as a code projects.

**~40% productivity increase in overall migration efforts for a US-based financial services company's database migration to AWS RDS**

**Increased performance by 40% and reduced turnaround time for a large public transit system company by migrating to AWS**

**~90% cost savings for a large media company by migrating to AWS serverless stack**

**Successfully decommissioned 60% of the data centers for a giant media corporation**

# Virtusa and AWS

## Ten Years of Innovation

Virtusa has been a key AWS partner for more than ten years and has developed deep relationships and expertise. In 2021, Virtusa extended its Strategic Collaboration Agreement (SCA) with AWS to empower global organizations to unlock more value, efficiency, and profitability via cloud-based services. Virtusa was also named the 2021 AWS Industry Solution NSI Partner of the Year-U.S.

- AWS Premier Services partner since 2017
- 8 Competencies | 6 Partner Programs | 4 Service Validations
- 100+ AWS Customer Launches
- 2,100+ AWS Certifications
- AWS ProServe Strategic Partner
- Database Freedom Program Partner
- AWS ISV 'Workload Migration Program' partner for Pega

**For more information please contact:**
awsinfo@virtusa.com

**vɪrtusa** | **aws**

**www.virtusa.com**