virtusa

Engineering First

Migrate SAP on AWS with Virtusa

Transform customer's SAP journey and innovate faster

SAP is the most important, business-critical ERP system in any organization. Many organizations are struggling to get the best value from their ERP system on-premises due to:

- Outdated hardware infrastructure
- Higher TCO
- Loss of thousands of dollars per minute of downtime
- Lack of business agility

- Risk in modernizing SAP
- Higher time to market
- Long-release cycles
- Low performance
- Inefficient SAP Platform and license optimization

AWS is the preferred cloud platform of choice and innovation globally for 7000+ SAP customers. Organizations need to migrate or modernize with industry best practices and accelerators using a proven partner like Virtusa to get the best of both worlds from SAP and AWS.

Benefits of moving SAP to AWS with Virtusa

- Reduced technical debt

- Improved performance

- Reduced migration cost by up to 25% by leveraging Virtusa and partner accelerators

- Fully automated, security and compliance

- Increased business agility

- Ability to integrate with new Cloud native Data, AI, and ML technologies.

Why are clients choosing Virtusa for SAP on AWS?

Engineering-first approach: Virtusa's "Engineering First" DNA, coupled with deep industry expertise, empowers enterprises to unlock the full potential of SAP through migration and modernization on AWS.

End to end SAP capabilities: Comprehensive SAP capabilities on AWS, spanning SAP assessment for cloud, foundation, landing zone, migration utilizing AWS native and third-party tools, SAP native tools, and managed services.

Mature SAP practice: Virtusa boasts a mature SAP practice with profound expertise across all SAP platforms.
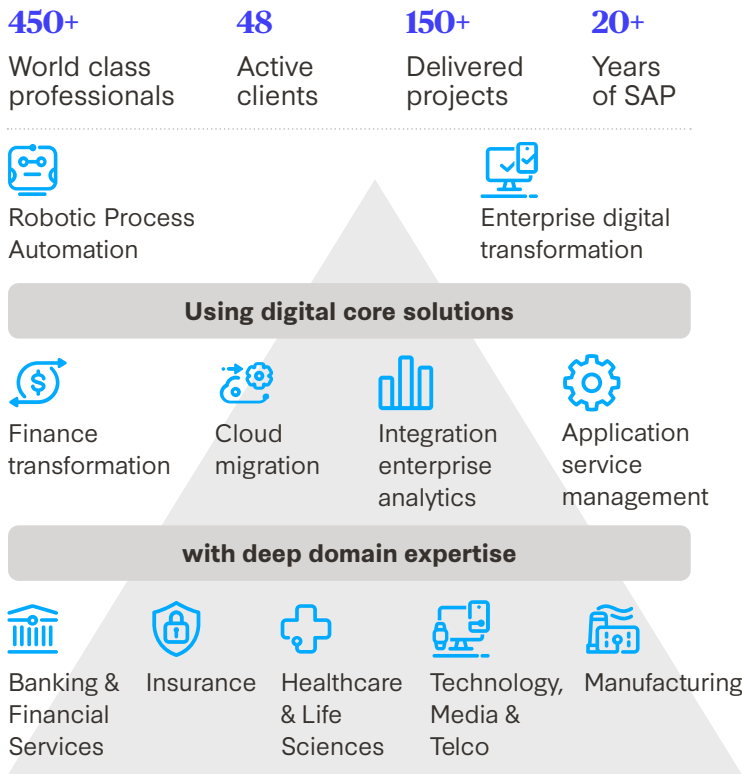
Holistic transformation solutions: Virtusa provides enterprise SAP transformation solutions on the cloud, incorporating domain consulting, SAP and AWS solutions, security solutions, and proprietary and partner accelerators. This holistic approach accelerates the migration of SAP on AWS, ensuring cost-efficiency and speed.

Well-architected solutions: Virtusa's migration and modernization approach and solutions are well-architected, minimizing risks and delivering scalability, reliability, security, efficiency, cost-effectiveness, and high performance.

Rich integration capabilities: Virtusa excels in integrating SAP applications with new digital technologies, modern data platforms, and AI/ML platforms using AWS services.

Proven track record: Virtusa has a proven track record of leveraging AWS MAP funding for SAP migration programs, further enhancing the value clients receive from their migration efforts.

Virtusa's SAP partnership and capabilities

450+ World class professionals

48 Active clients

150+ Delivered projects

20+ Years of SAP

Robotic Process Automation

Enterprise digital transformation

Using digital core solutions

Finance transformation

Cloud migration

Integration enterprise analytics

Application service management

with deep domain expertise

Banking & Financial Services

Insurance

Healthcare & Life Sciences

Technology, Media & Telco

Manufacturing

Expertise

- Enterprise diagnostic services
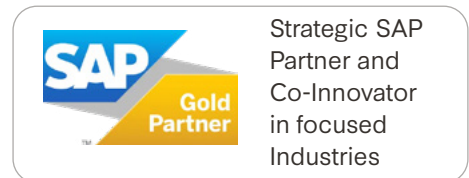- SAP process automation
- Cloud workload migration

Intellectual property

- Trade repository reporting by Virtusa
- Smart payment integration with SAP
- OptH – HANAtization
- GenX – Auto code & TS generator
- SAP error monitoring dashboard

Strategic initiatives

- Enabling digital strategy with SAP
- SAP focused run
- Hybrid SAP solutions for key industries

Awards and recognitions Virtusa SAP practice

HFS Gartner FORRESTER

SAP Gold Partner — Strategic SAP Partner and Co-Innovator in focused Industries

Virtusa approach

SAP assessment and mobilize

Discovery and assessment of current state SAP landscape for Application, Infrastructure, Database, upstream and downstream integrations, batch jobs, OS upgrade analysis, SAPS analysis.
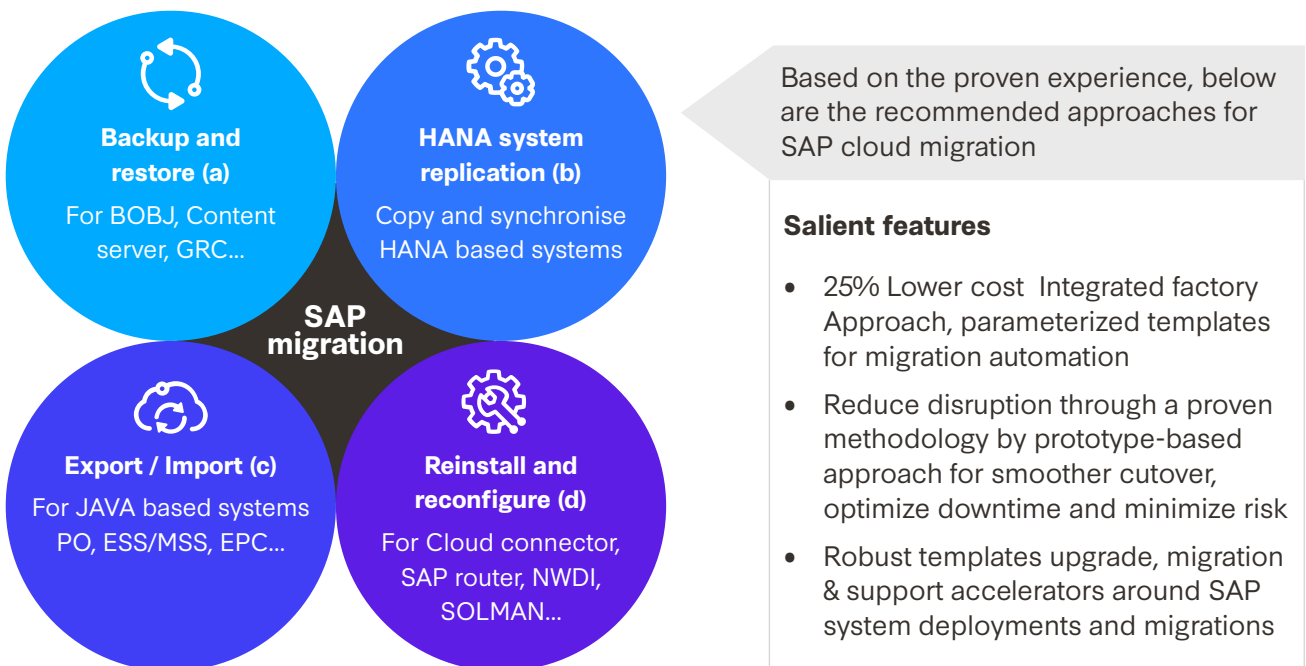
- TCO savings analysis
- Network analysis and setup
- HA (High availability) and DR (Disaster Recovery) design
- Target state design and architecture as per well-architected framework

- Security Architecture
- Migration roadmap and approach
- Migration plan
- Proof of concept
- Foundation and landing zone setup

SAP migration

Virtusa specializes in migrating existing SAP applications to AWS using a phased approach, reducing business impact with potential benefits — reduced total cost of ownership, simplified IT, security, and scalability.

- Virtusa uses a proprietary SAP migration blueprint with AWS launch wizard or CloudFormation templates to automate infrastructure provisioning.
- Set up migration using migration hub orchestrator.

- Migrate SAP workloads and data (from non-HANA to HANA Databases)
- Functional and non-functional testing
- Performance tuning
- Cutover and Go-live

Virtusa's four-pack migration approach for SAP migration to cloud

Backup and restore (a)
For BOBJ, Content server, GRC...

HANA system replication (b)
Copy and synchronise HANA based systems

SAP migration

Export / Import (c)
For JAVA based systems PO, ESS/MSS, EPC...

Reinstall and reconfigure (d)
For Cloud connector, SAP router, NWDI, SOLMAN...

Based on the proven experience, below are the recommended approaches for SAP cloud migration

Salient features

- 25% Lower cost Integrated factory Approach, parameterized templates for migration automation
- Reduce disruption through a proven methodology by prototype-based approach for smoother cutover, optimize downtime and minimize risk
- Robust templates upgrade, migration & support accelerators around SAP system deployments and migrations

Other available migration and modernization pathways

Migration
Lift-and-shift/re-platform ECC, Business suite and SAP NetWeaver-based applications

Modernization
- Any DB (e.g., Oracle, SQL Server) to SAP HANA
- ECC to S/4HANA

Greenfield implementation
- SAP HANA
- SAP S/4HANA
- SAP BW/4HANA
- SAP

Virtusa's SAP operations and managed services

Virtusa has 24 x 7 Cloud operations for SAP with automated Governance, FinOps, automated preventive and detective controls, and automated compliance. Below are SAP-related automation by Virtusa operations.

- AWS Auto scaling for SAP application servers
- AWS Backup for SAP databases
- Automated HANA database patches
- Serverless system copy for SAP

- Serverless system refresh automation for SAP HANA systems
- High availability and Fault-tolerant Infrastructure
- Automated logging and monitoring
- Start/stop automation for SAP

Success stories

A Canada-based construction company achieved 30% savings in operational costs by migrating to AWS.

A Canada-based automobile distributor saved 25% infrastructure costs by migrating their SAP workloads to AWS.

virtusa
Engineering First

Virtusa.com