

Making the Public Cloud Work for Your Enterprise



Capgemini enables successful deployment to Amazon Web Services as enterprises seek to utilize the cloud to transform business performance.

We have carried out an assessment for GE and successfully migrated over 251 applications to the AWS Cloud with additional migration planned

Capgemini Cloud Choice with Amazon Web Services fast tracks your enterprise to the public cloud.

The benefits of moving IT to the cloud are clearly understood. Indeed, most enterprises in the throes of digital transformation have invested in some form of cloud technology. However, a lack of clear strategic direction, along with poorly defined migration paths, are hampering further cloud adoption. For the CIO, it is no longer about 'whether' you move to the cloud, but 'how'.

Capgemini can help. We have expanded our working relationship with Amazon Web Services (AWS) to support enterprise customers worldwide as they migrate applications rapidly and safely from on-premise infrastructure onto the AWS Cloud.

Capgemini Cloud Choice with Amazon Web Services leverages AWS to empower business. Capgemini helps our clients get value from deploying onto the AWS Cloud in a number of ways:

- **Managed Business Services:** our sector-specific IP solutions are hosted on the AWS Cloud, enabling clients to rapidly deploy these new solutions, with SAP and Guidewire, without incurring infrastructure costs
- **Insights and Analytics:** : we are ready to run large SAP HANA workloads on AWS for real-time analytics and insights, enabling more data to be processed for the generation of actionable insights
- **Migration:** we migrate applications rapidly and safely from on-premise infrastructure to the AWS Cloud using Capgemini's Cloud Choice approach and AWS best practices

Capgemini's Cloud Choice service and delivery assets provide rapid application portfolio assessment and profiling, as well as migration acceleration at enterprise scale.

Migration factory dedicated to AWS

Capgemini has invested heavily in a migration factory dedicated to AWS in Chennai and Bangalore, India. This supports Capgemini customers' migration of enterprise applications to the AWS Cloud and incorporates the AWS Cloud Adoption Framework planning tool as part of its methodology. This enables enterprises to migrate workloads faster and more efficiently to the AWS Cloud.

Our migration factory supports:

- **Migration:** by executing migration of workloads to AWS Cloud, including re-platforming, remediating and re-writing of applications where necessary;
- **Delivery:** by delivering support for the workloads migrated onto AWS Cloud in a safe and industrialized way
- **Pilots:** we are piloting new enterprise-critical cloud offerings and developing more sector-specific solutions hosted on AWS in our migration factory.

By leveraging AWS, Capgemini gives enterprises the assurance that they will gain maximum benefit from the public cloud. New, increasingly business-critical cloud offerings can be rapidly deployed, giving enterprise customers worldwide faster and more flexible access to cloud services.

Easing the cloud adoption journey

Capgemini Cloud Choice with Amazon Web Services addresses a number of challenges with cloud adoption strategies:

- A Managed Business Service from Capgemini gives organizations flexibility, cost savings, scalability, and greatly reduced time to market. Clients gain a complete end-to-end process that includes the packaging and aggregation of license management. A number of sector-specific IP solutions are ready to deploy with minimal customization.
- SAP HANA is certified to run on the AWS Cloud; today customers have the option to run all related SAP Solutions that leverage SAP HANA. In October of 2015 AWS pre-announced the launch of a new family instance: X1, which will support up to 2TB of RAM; which will allow organizations to run larger SAP workloads, including analytics, S4/HANA, BW on HANA and Business Suite on HANA workloads; this new family instance will be available in the first half of 2016.
- Enterprises adopting or expanding their cloud capability need to migrate enterprise-critical workloads rapidly and safely from on-premise infrastructure to the AWS Cloud with minimal disruption. Capgemini Cloud Choice achieves this with a cohesive set of migration capabilities. Clients benefit from our multidisciplinary knowledge, coupled with best practices and tools from the AWS Cloud Adoption Framework. This is further supported by our migration factory.

With a wealth of AWS tools and applications available, Capgemini Cloud Choice offers the capability to architect and leverage the AWS Cloud, tools and utilities, such as Amazon Redshift, AWS CodeDeploy, and Amazon Workspaces. This gives the opportunity for the latest AWS innovations to be utilized for the digital enterprise.

How does it work?

Capgemini's end-to-end Cloud Choice offering encompasses advisory services, application portfolio assessment, migration, provisioning and orchestration. We help customers understand how best to automate their cloud services, minimizing the complexity of their cloud transformation.

We offer clients three key services, which can be utilized as standalone entities or as a single, cohesive offering:

- **Advise:** develop a strategy to strengthen performance using the AWS Cloud, and adapt the business to new ways of working;
- **Align:** transform the applications portfolio by rationalizing, modernizing, migrating workloads or creating new cloud-native applications;
- **Animate:** ensure optimal workload allocation to public and private utility – safely and in control.

These services are combined with the AWS Cloud Adoption Framework . This planning tool includes enterprise accelerators: pre-packaged projects with timescales set from experience to speed up the cloud adoption progress and ensure alignment to best practices.

Future-proofing the cloud journey

Capgemini Cloud Choice with Amazon Web Services is continually evolving to meet new and emerging business needs. For example, Capgemini and AWS will further develop SAP-specific offerings with the extension of Capgemini's SAP HANA capabilities. In 2016, customers will be able to process up to eight times more data in real time in their SAP HANA databases using the AWS Cloud. This follows the launch by AWS of a new, larger instance type supporting SAP HANA.

Minimizing risk in the adoption of cloud services

Capgemini has delivered more than 4,000 projects involving the cloud. We have proven industrial ability to migrate workloads to the AWS Cloud safely and with minimal disruption.

This experience is complemented by the following risk mitigation approaches to adopting cloud services:

- **COMPLETE** (Capgemini Orchestration Management Platform End to End): this allows clients to deploy traditional software (including SAP Business Suite and Guidewire) onto the AWS Cloud in a virtual private cloud (VPC) model, or migrate it onto AWS from an on-premise environment. We then run applications for clients as a managed service. COMPLETE allows us to deliver a solution to the client within hours, anywhere in the world.
- **Cloud Services Brokerage**: clients use a self-service portal to manage their provisioned public cloud services. This gives them the agility and self-service they want from the cloud, without IT losing control. It enables the enterprise to balance the competing needs of the business, IT and developers.

Realizing the benefits of Cloud

Capgemini Cloud Choice leveraging AWS accelerates the transition to, or continual development of current cloud capabilities. This means that the far-reaching benefits of cloud adoption can be quickly realized to deliver competitive advantage:

- Cost savings with lower infrastructure and technology management costs, efficiencies, and ease of management
- Scalability of operations and capabilities through migration factory dedicated to AWS
- Ability to launch new software in minutes, leading to a faster time to market
- Reduced maintenance costs and resources
- Higher levels of IT innovation due to greater investment vs. spend on maintaining existing infrastructure.

Capgemini's expertise in complex enterprise application portfolios and migrations, along with the reputation of AWS as the leader in Gartner's Magic Quadrant for Public Cloud Infrastructure¹, 2015, is our assurance that clients' cloud transformations are in safe hands. .

"We are delighted to partner with Capgemini to expand their dedicated migration factory. Combining our strengths and methodologies we can help customers become more agile, migrate applications more quickly and accelerate their transformation using our dedicated resources."

Terry Wise

Vice President, Channels & Alliances
Amazon Web Services, Inc.

"The cloud market continues to grow rapidly. This deeper working relationship with AWS is part of our strategic focus on expanding our cloud services. As part of our Cloud Choice offering and through this collaboration, customers will benefit from AWS best practices and cloud technologies."

Lanny Cohen

Global Chief Technology Officer,
Capgemini Group

¹ Gartner Magic Quadrant for Public Cloud Storage Services, Worldwide, June 2015.

Tailored to industry

Our Managed Business Services are built on software from leading independent software vendors or alliance partners that's pre-configured to the needs of our clients' industries. We offer these IP solutions on the AWS Cloud, bringing clients an all-in-one package of industry-specific applications, cloud hosting and ongoing management. They include:

- **Insurance Connect:** a fully managed business service insurance platform that enables core processing, digital services and insights and analytics on AWS. Assisting insurers to use highly scalable AWS infrastructure provides a cost-effective way to integrate functions, such as CRM, policy administration and underwriting.
- **Digital Industrial Asset Lifecycle Management solution (DiALM):** an on-premise managed business service built on the AWS Cloud platform for asset-intensive industries, such as energy, utilities, nuclear and manufacturing. It gives access to a scalable and fast-to-deploy digital asset hub.
- **Capgemini's SAP Certified Path BAiO (Business All-in-One) Solutions:** SAP Business Suite technology pre-configured by Capgemini to the needs of a specific industry. Clients benefit from industry-leading processes, solutions to common business process challenges, and faster implementation times.



Why Capgemini with AWS?

As a world-class AWS Premier consulting partner, Capgemini offers delivery reliability for enterprises transitioning to the cloud. AWS was the first vendor to offer a public cloud and has set the standard for public cloud services since 2006.

With end-to-end expertise in managing technology-enabled business transformation, from strategy to infrastructure, Capgemini has a long-standing relationship with AWS dating back to 2008. The compatibility of AWS technologies and innovations with our Cloud Choice program has enabled us to extend our tailored cloud product portfolio and skill sets.

Ongoing training is further expanding our AWS capabilities. Clients can benefit from more than a thousand Capgemini consultants and architects trained on AWS, and specialized sector-specific IP solutions available on AWS.

For More Information: www.capgemini.com/aws

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About Capgemini and Sogeti

With more than 180,000 people in over 40 countries, Capgemini is one of the world's foremost providers of consulting, technology and outsourcing services. The Group reported 2015 global revenues of EUR 11.9 billion. Together with its clients, Capgemini creates and delivers business, technology and digital solutions that fit their needs, enabling them to achieve innovation and competitiveness. A deeply multicultural organization, Capgemini has developed its own way of working, the Collaborative Business Experience™, and draws on Rightshore®, its worldwide delivery model.

Sogeti is a leading provider of technology and software testing, specializing in Application, Infrastructure and Engineering Services. Sogeti offers cutting-edge solutions around Testing, Business Intelligence & Analytics, Mobile, Cloud and Cyber Security. Sogeti brings together more than 20,000 professionals in 15 countries and has a strong local presence in over 100 locations in Europe, USA and India. Sogeti is a wholly-owned subsidiary of Cap Gemini S.A., listed on the Paris Stock Exchange.

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