

What's your challenge?

REGENERATE

What solution is right for you?

Multiple benefits

Work with us

Securing your CA Gen Vision

Providing the skills and automation needed to successfully update and maintain your CA Gen application development platform – or to migrate to a new digital landscape



People matter, results count.



What's your **challenge?**



What's your challenge?

What's your challenge?

REGENERATE

What solution is right for you?

Multiple benefits

Work with us



CA Gen – proven today; ready for tomorrow

CA Gen has been the workhorse behind application development for large public and private sector organizations since the 1980s. Today, it is still the tool of choice for many organizations seeking to create and maintain large-scale business applications, offering code generation for multiple mainframe and distributed technical environments. That's because design changes are made in a model, not in the code itself, which is generated. This cuts the cost and speeds up delivery and maintenance of high-performance, scalable business applications.

Sound familiar?

CA Gen was previously known as COOL:Gen, AllFusion Gen, Advantage:Gen, IEF (Information Engineering Facility) Composer

Support and Modernization for CA Gen – making IT investments work harder

Like all technologies, however, CA Gen applications need to adapt to meet the modern agenda, and remain relevant in a changing digitally-enabled technology landscape. Organizations that have invested significantly in this technology will want to ensure the functionality they have developed can be leveraged in new ways. Their systems must now be modernized to offer new interfaces, allowing them to integrate with other non-CA Gen applications, web services, and web front-ends, and to conform to modern day architectures, such as SOA.

In the past, this hasn't been easy. Organizations have been unwilling to undertake complex modernization projects that place a high demand on limited resources. Now, however, tailored automation can be applied to accelerate such projects, reducing cost, risk and elapsed times.

Opting for a new generation of application development

Instead of choosing to maximize their investment in the technology, some organizations have taken the strategic decision to move away from it. The challenge here is to achieve this migration and retain as much of the business value built up over the years in existing CA Gen applications.

Transforming with REGENERATE

Whether you are modernizing or migrating away from your current technology, REGENERATE from Capgemini and Jumar offers cost-effective automated solutions – backed up by decades of expertise – to support your transformation.





FUTURE

REGENERATE





How Capgemini and Jumar support your CA Gen journey

CA Gen expertise

Capgemini supports the biggest user of CA Gen in the UK and one of the biggest users in the world, retaining a high level of CA Gen expertise that other clients can benefit from.

Don't let a lack of skilled resources, the complexity of your CA Gen estate, limited integration and the high costs of maintaining CA Gen stand in the way of you getting the most out of your software development capability.

Capgemini has developed its REGENERATE offerings in an alliance partnership with Jumar Solutions to help clients maximize the value of, and future proof, their CA Gen investments – or to support their migration journey. Clients benefit from the unique combination of a global leader in enterprise scale transformation and digital enablement and the world's leading CA Gen specialist company. This combined capability is vital in a market where CA Gen skills are dwindling.

Together Capgemini and Jumar reduce the risk of expensive project failures, out of control project expenses and potentially significant extended vendor support charges.

Experts in complex system delivery and management

Capgemini is a world leader in application outsourcing and we manage large, complex legacy estates which include CA Gen systems that support mission critical business processes. Our UK Delivery Centers support millions of lines of CA Gen code, and we maintain, upgrade and enhance client systems, with a focus on reliability and reducing the cost of support.

Jumar – unmatched knowledge

Jumar is a world leader in the automation of CA Gen transformation and modernization. It has developed a specialist suite of software to dramatically reduce the effort, cost, time and risk of modernization projects. Many of Jumar's experts have been working with CA Gen for more than 20 years, giving them an unmatched knowledge of the technology. Jumar has helped some of the world's best known and respected organizations modernize their CA Gen systems.



Proven track record

HMRC Case Study

Capgemini provides IT services for HM Revenue & Customs (HMRC), including development and support for 19 CA Gen systems which process tax, duties and benefits. The CA Gen systems integrate with other technologies on HMRC's large IT estate and with external systems. Over the last ten years we have re-platformed these systems, and implemented a major CA Gen update affecting in excess of 40,000 users, working with Jumar as a key partner to deliver the modernisation programme. A combination of technology refresh, system enhancements and effective service management has met the performance and SLA targets for the systems, some of which are required to operate on a 24x7 basis.



Explicit Data Target
Enhance Method Training
Performance Efficiency Knowledge
Skill Management
Interactive Structure Asset
Document Vision Enterprise
Learning Organization Information
Strategy People System Support
Development Exchange
Concept Work Integration

What
solution
is **right**
for you?



What solution is right for you?

What's your challenge?

REGENERATE

What solution is right for you?

Multiple benefits

Work with us



Experienced support organization

The REGENERATE proposition rests on an experienced support organization to reduce risks and cut costs. The first stage in any engagement is always an automated assessment of an organization's CA Gen applications to explore modernization options and provide the necessary information for planning and estimation.

REGENERATE then offers three different solutions tailored to an organization's individual needs, whether it is seeking to maximize investment in existing technology or to move to a new platform: Support; Update; and Migrate.

Mission Critical Support

Capgemini UK Delivery Centers work to maintaining more than 2.5 million lines of code supporting over 1,700 functions and over 260 interfaces with internal and external systems

REGENERATE by Capgemini includes three offers



Support



Update



Migrate



What solution is right for you?

What's your challenge?

REGENERATE

What solution is right for you?

Multiple benefits

Work with us



- **Support:** Capgemini delivers CA Gen services from UK Delivery Centres which combine our skills in application development and service management with additional specialist-technology experience and staff augmentation from Jumar.

CA Gen UK Delivery Centres are secure environments which work to client-defined Service Level Agreements (SLAs) for mission critical services with millions of lines of code.

- **Update:** this ensures that applications run on either the latest manufacturer version of CA Gen or on an upgraded platform – or a combination of both. Re-platforming can take the form of a move from a mainframe to a more cost-effective distributed platform, or a move to a completely new hardware vendor. Version upgrades allow users to benefit from vendor support and to meet governance and legislative requirements. This offering also uses the experience of the UK Delivery Centers, which have successfully undertaken multiple upgrades using tried and tested methodologies.

Additionally Capgemini draws on its experience in model optimization and exploitation of CA Gen-based legacy systems through integration and e-enablement. Jumar's automation tools are also a key enabler in the Update offering. REGENERATE Update provides a wide range of modernization options, including re-factoring, providing new interfaces, exposing locked-in functionality, functional isolation enabling COTS package adoption, and SOA to prepare and (where a strategic decision has been taken) to ultimately migrate existing CA Gen (see 'Modernize through automation', below). Additionally, modularization and isolation of business function allow for easier future migration and integration with non-CA Gen systems and applications.

- **Migrate:** For organizations that have taken the decision to migrate from CA Gen to a new technology (whether Java, COBOL, C#/.NET), a migration roadmap allows you to **transition up to 100%** of the valuable content built up over the years in your existing CA Gen applications to your new strategic platform. Our automated approach generates hand-maintainable code, exactly replicating the functionality of your CA Gen applications.

Productivity is also improved as automation delivers predictability and repeatability. This frees up IT and business users to deliver maximum benefit, supporting on-going change and Quality Assurance. Automation is tailored to take into account the desired target state, minimizing the need for manual intervention. This improves quality, increases speed, reduces cost, minimizes risk and accelerates ROI.



What solution is right for you?

What's your challenge?

REGENERATE

What solution is right for you?

Multiple benefits

Work with us



This automation dramatically reduces the effort, cost and time of modernization projects. It automates up to 100% of the process of modernizing, re-platforming and/or migration of CA Gen applications.

Modernize through automation

Many organizations fail to unlock the value of their existing applications because of the huge amount of manual work required to clean up, restructure and/or rewrite CA Gen models. The Capgemini and Jumar offerings reduce the complexity and resource demand with an automated approach.

Using Jumar's suite of automation tools, REGENERATE helps enterprises to rapidly and accurately carry out the following modernization activities:

- re-architect
- create new interfaces
- apply changes necessary for re-platforming
- apply changes necessary for version upgrade
- isolate functionality
- wrap and expose functionality for integration
- migrate/rewrite.

This automation dramatically reduces the effort, cost and time of modernization projects. It automates up to 100% of the process of modernizing, re-platforming and/or migration of CA Gen applications. The quality and consistency of outputs is drastically improved with a reduction of manual effort (and error), while updated models are structured in a consistent way and therefore easier to maintain. Automation also cuts the testing effort required to introduce new applications.

Automation projects begin with a Proof of Concept – **seeing really is believing.**





Multiple benefits





Do more with REGENERATE – accumulating the value with a rapid ROI

The REGENERATE proposition from Capgemini and Jumar rests on decades of experience in CA Gen and many successful migration and modernization projects. The combination of experience, automation and industry best practice will ensure your CA Gen project delivers an ROI many years quicker than non-automated approaches.

With REGENERATE your organization will:

- Accelerate your digital journey: specialists in digital transformation, Capgemini will work with you to modernize your CA Gen systems by restructuring applications (where necessary) to encapsulate key business services as either a pre-cursor to migration or an enabler for digital transformation. A digital-ready solution, REGENERATE supports the move towards Open Source and greater digitization across the enterprise;
- Reduce the cost and time of modernization or migration: typically, for an “average” size CA Gen application portfolio, REGENERATE’s automated approach is up to six times faster when compared with manual transition;
- Achieve a rapid ROI: vastly accelerated migration speed results in accelerated significantly faster ROI. The ability to execute modernization or migration projects quickly is key to success because it allows them to be carried out in parallel with business-as-usual development. This speed is a hugely important factor in organizational transformation programs looking for a rapid ROI;
- Receive dedicated CA Gen modernization support: Capgemini Delivery Centers support a broad range of technical specialisms, providing skills and experience in both CA Gen and the post migration target technologies. Working across these Delivery Centers, REGENERATE consultants provide all of the in-depth skills and knowledge required to frame and execute the project, underpinned by industrialized processes and methods to ensure each transformation is effectively delivered;
- Achieve productivity improvements: automation delivers predictability and repeatability, while minimizing the effort needed from both IT and the user community. This frees them up to deliver maximum business benefit, supporting on-going change, solution definition, QA and regression testing;

Multiple benefits

What's your challenge?

REGENERATE

What solution is right for you?

Multiple benefits

Work with us



The combination of experience, automation and industry best practice will ensure your CA Gen transformation project delivers a ROI many years quicker than non-automated approaches

- Reduce risk: using the specialist CA Gen knowledge within Capgemini's Delivery Centers, coupled with industrialized processes and methods, limits any risk associated with the transformation activity. In addition, the automated approach, supported by Jumar's tooling and expertise, allows the accurate scoping, estimation, planning and delivery of the of the projects. The transformation itself is delivered with a phased implementation that can run in parallel with existing business change projects;
- Benefit from genuine, tailored automation: other organizations claim to offer comparable automated modernization or migration tools, but these still leave large parts of the CA Gen code needing to be rewritten manually, compromising predictability and quality, and increasing risk. Using REGENERATE automation for batch and server-side rewrite, 100% automation is typically achieved, while for client-side and UI handling, given the wide range of technologies and approaches that can be taken, 80%+ automation is typical. In addition, Jumar's solutions are typically tailored to the organization's specific needs, as opposed to 'one-size-fits-all';
- Feasibility – making it happen: the considerable productivity and cost saving benefits of this error-free automated approach brings projects within reach that would not have been previously considered viable when estimated on the basis of manual re-coding methods;
- Demonstrate fiscal responsibility: a 'conversion factory' within Capgemini's Delivery Centers allows for a cost effective approach. Immediately available tools and resources mean that large and expensive ground-up rebuilds are not required when migrating. Costs are saved as a result of reducing licenses and MIPS consumption during the migration program, with these savings being realized immediately; and
- Economies of scale: benefit from the economies of scale Capgemini can bring through more flexible workforce utilization.



What's your challenge?

REGENERATE

What solution is right for you?

Multiple benefits

Work with us



Work with us

For more details contact:

Craig Mill

Global Head of Tax
& Welfare, Capgemini
craig.mill@capgemini.com

Robert Burns

Vice President, Capgemini
robert.burns@capgemini.com

Mick Halliday

Propositions Director, Capgemini
mick.halliday@capgemini.com

Mark Hankin

Strategic Account Manager,
Jumar Solutions Limited
Mark.Hankin@Jumar-Solutions.com



About Capgemini

With more than 130,000 people in over 40 countries, Capgemini is one of the world's foremost providers of consulting, technology and outsourcing services. The Group reported 2013 global revenues of EUR 10.1 billion.

Together with its clients, Capgemini creates and delivers business and technology solutions that fit their needs and drive the results they want. A deeply multicultural organization, Capgemini has developed its own way of working, the Collaborative Business Experience™, and draws on Rightshore®, its worldwide delivery model.

Learn more about us at

www.capgemini.com

The information contained in this document is proprietary. ©2014 Capgemini. All rights reserved. Rightshore® is a trademark belonging to Capgemini.



About Jumar Solutions

Jumar is a global leader in the provision of modernization, upgrade and re-platforming solutions for CA Gen and other mission-critical legacy systems. With clients in more than 35 countries, it has developed a suite of automated software tools to accelerate, enhance and deliver such complex projects. Jumar's consultants also advise on and help implement the move towards system componentization and Service Oriented Architecture, underpinned by a resourcing division with exclusive access to a network of worldwide legacy modernization specialists.

Find out how you can get more from Regenerate at

www.capgemini.com/regenerate