

# Gen AI for DevEx G-Cloud 15





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# 1 Service Overview

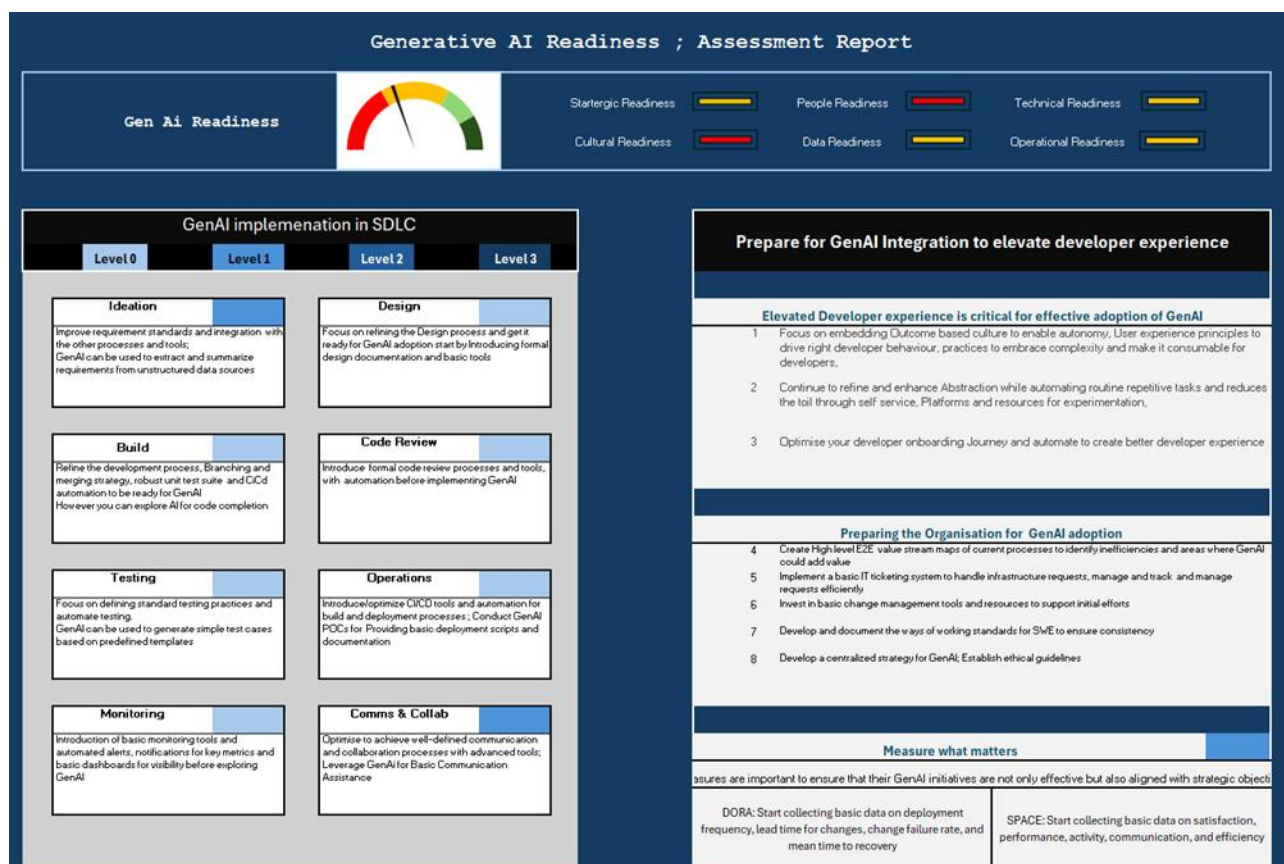
Capgemini's GenAI for DevEx Offer is designed to help organisations adopt Generative Artificial Intelligence (AI) in software engineering with precision, responsibility, and measurable impact to transform the developer experience. Recognising that many enterprises rush into AI adoption without foundational readiness, the offer provides a structured, cloud-enabled approach to assess, plan, and implement GenAI across the Software Development Lifecycle (SDLC).

Tailored specifically for development teams, this offer provides a structured and insightful approach to evaluating readiness, identifying opportunities, and implementing GenAI solutions that align with the unique workflows and challenges of software engineering teams and tightly integrated with cloud platforms and DevOps ecosystems.

Key features include expert analysis, customised recommendations, and actionable insights to drive innovation and efficiency in the development process. Unlike generic AI tools, our GenAI solution evolves with your specific DevEx needs. It learns from the developers' experiences and workflows to provide customised recommendations and optimisations, ensuring the most relevant and impactful outcomes.

## 1.1 Comprehensive Readiness Assessment

The service begins with a collaborative consultation to understand the organisation's current DevEx landscape and a readiness assessment of existing strategy, tools, processes, people, data and cultural readiness for GenAI adoption. The evaluation covers areas such as development workflows, automation maturity, quality and security, platform capabilities, ways of working, governance data availability, and AI literacy across teams. It offers a comprehensive evaluation of the organisation's readiness to adopt GenAI across key SDLC phases. Each phase is assessed using a maturity model that classifies readiness into Level 0 (Not Ready), Level 1 (Emerging), Level 2 (Ready), and Level 3 (Optimised). This structured approach enables targeted interventions and ensures that GenAI is introduced where it can deliver the most impact with minimal disruption.



This diagram is for illustration only and does not represent any obligation or responsibility of Capgemini.





## 1.7 Ethical AI, Bias Governance, and Compliance

Based on the readiness assessment and use case prioritisation, Capgemini delivers a customised transformation roadmap. This includes:

- Strategic GenAI implementation plans
- DevEx capability uplift initiatives
- Success metrics and Key Performance Indicators (KPIs)

Training and enablement programmes

## 1.8 Intelligent Developer Tooling

Capgemini's GenAI for DevEx Offer integrates seamlessly with existing developer tooling ecosystems. It enhances IDEs, CI/CD pipelines, testing frameworks, and documentation tools with AI-powered capabilities such as code generation, test case creation, bug detection, and intelligent documentation. These enhancements are designed to reduce cognitive load, accelerate development cycles, and improve code quality.

## 1.9 Adaptive and Context-Aware AI

Unlike generic AI tools, Capgemini's GenAI solution is designed to evolve with the organisation's development practices. It continuously learns from developer interactions, project histories, and team preferences to deliver context-aware suggestions and optimisations. This ensures that the AI remains aligned with real-world development needs and contributes meaningfully to productivity and innovation.

## 1.10 Security, Compliance, and Governance

Security and compliance are embedded into the GenAI integration process. The service includes guidance on secure AI usage, data privacy, and regulatory compliance, with built-in mechanisms for auditability and governance. This ensures that organisations can adopt GenAI confidently and responsibly.

## 1.11 Enablement and Continuous Improvement

To support long-term success, Capgemini provides enablement resources including training sessions, documentation, and knowledge bases. Feedback loops are established to gather insights from developers, enabling continuous refinement of tools and practices. Performance monitoring dashboards help track adoption, productivity gains, and areas for further optimisation.

# 2 Business Need

In today's competitive landscape, organisations are under increasing pressure to innovate rapidly, optimise operations, and deliver high-quality digital services. Generative AI (GenAI) has emerged as a powerful enabler of these goals, offering the potential to automate tasks, enhance decision-making, and elevate the developer experience (DevEx). However, the path to effective GenAI adoption is often obstructed by foundational gaps in processes, platforms, and organisational readiness.

Many organisations encounter common barriers such as:

- Integration challenges across legacy and modern systems
- Poorly selected or misaligned use cases
- Inadequately engineered platforms that lack scalability
- Weak AI governance and ethical oversight
- Data quality and availability issues



- Escalating infrastructure and operational costs
- Lack of clear business value alignment
- Organisational silos and resistance to change
- Ineffective prompt engineering practices
- Insufficient Change Management and adoption strategies

Capgemini's GenAI for DevEx Offer is designed to address these challenges head-on. The offer begins with a structured readiness assessment that evaluates the organisation's maturity across the Software Development Lifecycle (SDLC). This assessment identifies capability gaps and provides a clear, prioritised roadmap for transformation focusing on high-impact, low-effort use cases that deliver measurable value.

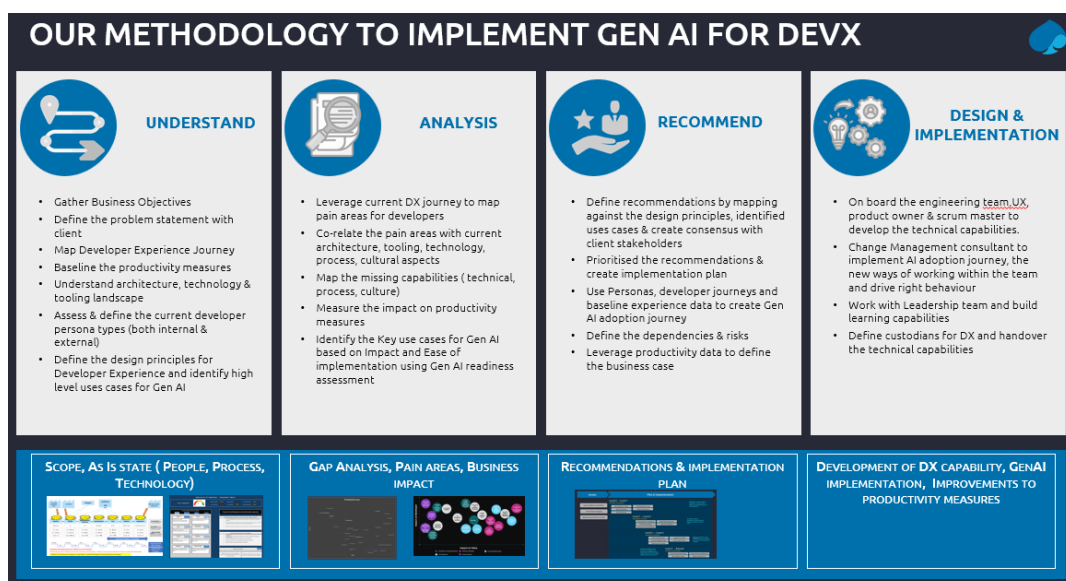
The offer also recognises the symbiotic relationship between DevEx and GenAI. Foundational DevEx capabilities are essential for successful GenAI integration, while GenAI can, in turn, enhance DevEx by reducing cognitive load, improving productivity, and enabling intelligent feedback loops.

By embedding lean principles such as Value Stream Mapping and the Theory of Constraints, the offer ensures that GenAI is applied where it can remove bottlenecks, streamline workflows, and deliver tangible outcomes. Ethical AI practices, bias governance, and compliance frameworks are integrated throughout to ensure responsible and sustainable adoption.

This approach enables organisations to move beyond experimentation towards scalable, secure, and strategically aligned GenAI adoption that drives real business impact.

### 3 Our Approach

Capgemini's GenAI for DevEx Offer follows a structured, four-phase approach designed to guide organisations through the responsible and effective adoption of Generative AI across the Software Development Lifecycle (SDLC). This methodology ensures alignment with business objectives, addresses technical and cultural readiness, and delivers measurable outcomes through a combination of lean principles, cloud-native enablement, and ethical AI governance.



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#### UNDERSTAND – Establishing Strategic and Developer Context

This phase focuses on aligning with the organisation's goals and capturing the current state of Developer Experience (DevEx). Key activities include:

- Gathering business objectives and defining the problem statement with stakeholders



- Mapping the end-to-end developer journey to identify friction points
- Baselining productivity metrics to quantify current performance
- Understanding the architecture, tooling, and technology landscape
- Defining internal and external developer personas
- Establishing DevEx design principles and identifying high-level GenAI use cases

This foundational work ensures that the GenAI strategy is grounded in real-world developer needs and organisational priorities.

### **ANALYSIS – Diagnosing Gaps and Prioritising Opportunities**

In this phase, Capgemini conducts a detailed analysis to uncover pain points and capability gaps across technical, process, and cultural dimensions. Activities include:

- Mapping pain areas across the current DevEx journey
- Correlating these with architectural, tooling, and cultural constraints
- Identifying missing capabilities and their impact on productivity
- Applying the GenAI readiness assessment to classify maturity across SDLC phases using a four-level model
- Prioritising GenAI use cases based on impact and ease of implementation

This phase ensures that recommendations are data-driven and focused on areas with the highest potential for improvement.

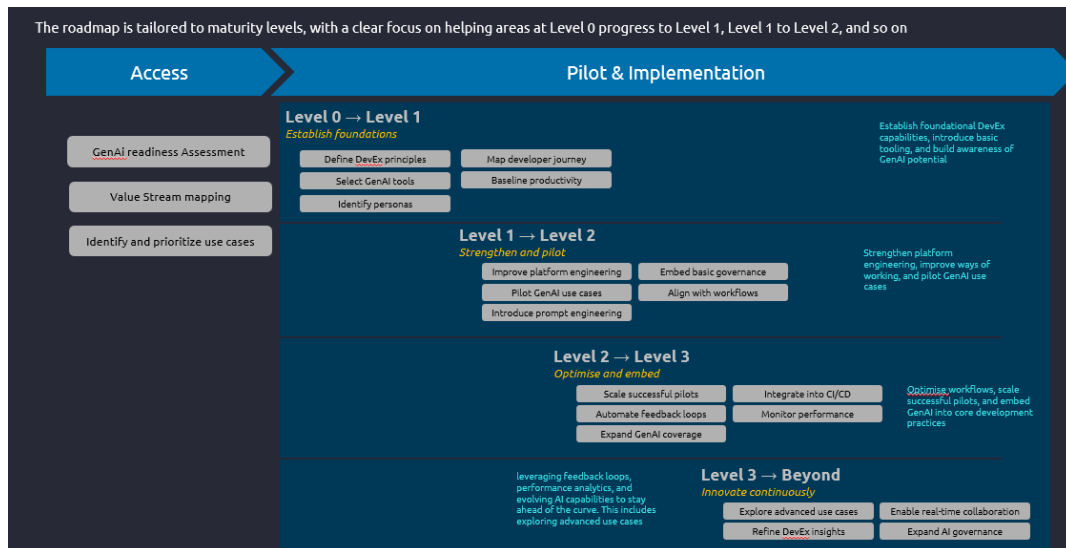
### **RECOMMEND – Designing the Transformation Roadmap**

This phase translates insights into a practical, actionable roadmap for GenAI adoption. Activities include:

- Defining recommendations aligned with DevEx design principles and validated use cases
- Prioritising initiatives and creating a phased implementation plan
- Using developer personas, journey maps, and baseline data to shape the GenAI adoption journey
- Identifying dependencies, risks, and enablers for successful execution
- Leveraging productivity insights to build a compelling business case

The roadmap is co-created with stakeholders to ensure alignment, feasibility, and ownership. The roadmap is tailored to maturity levels, with a clear focus on helping areas at Level 0 progress to Level 1, Level 1 to Level 2, and so on, ensuring continuous uplift across the organisation

- Level 0 to Level 1: Establish foundational DevEx capabilities, introduce basic tooling, and build awareness of GenAI potential
- Level 1 to Level 2: Strengthen platform engineering, improve ways of working, and pilot GenAI use cases
- Level 2 to Level 3: Optimise workflows, scale successful pilots, and embed GenAI into core development practices
- Level 3: - Emphasis is on continuous improvement, Leveraging feedback loops, performance analytics, and evolving AI capabilities to stay ahead of the curve. This includes exploring advanced use cases.



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## DESIGN & IMPLEMENTATION – Realising and Sustaining Value

The final phase focuses on execution, capability building, and long-term sustainability. Key activities include:

- Onboarding engineering teams, user experience (UX) designers, product owners, and scrum masters to co-develop technical capabilities
- Engaging change management consultants to embed new ways of working and drive behavioural adoption
- Collaborating with leadership to build learning capabilities and foster a culture of continuous improvement
- Defining custodians for DevEx and transitioning ownership of GenAI capabilities
- Prototyping and validating use cases through pilot deployments, performance tuning, and predictive maintenance
- Scaling successful solutions through full integration with cloud platforms and real-time collaboration tools

This phase ensures that GenAI adoption is not only technically sound but also culturally embedded, enabling the organisation to scale responsibly and sustain long-term value.

## 4 Buyer Responsibilities

Please refer to the Supplier Terms listed with this service on the Platform. These may contain additional Buyer obligations/costs the Buyer is subject to that are not identified anywhere else in the Supplier's Application or on the Platform.

The Buyer responsibilities as part of this service are as follows:

- Provide requested resources, stakeholders, information, and materials in a timely manner.
- Provide access to the appropriate process and subject matter experts to work with Capgemini to agree the design of the solution.
- Provide business users to perform user acceptance testing based on the agreed plan.
- Procure necessary software licenses and subscriptions as appropriate.
- Provide access to existing systems or the data from the existing systems to enable data migration.
- Provide Test instances of any 3rd party system that will be required to test inbound or outbound interfaces.
- Enable employees are made available for training as appropriate.



- Ensure the Buyers project team is empowered to make the decisions necessary in a quick and timely manner.
- Review and sign-off all deliverables in a timely manner based on agreed acceptance criteria.

## 5 Service Management

This service can be delivered as a defined project or on a day-rate basis. In either case it will be a clearly defined project with agreed processes, outputs, and deliverables.

Capgemini will establish the required multi-level project governance and delivery assurance including regular reporting at the beginning of the project.

## 6 Protection of Data

This service is based on a security classification of 'Official', however should you have a requirement for a different security classification that you would like us to consider, please contact us to discuss.

## 7 On-boarding and Off-boarding

Prior to the execution of the Order, the Supplier and the Buyer will agree the scope of the exit plan for the Services and a timescale for delivering an exit plan to ensure continuity of service.

Capgemini shall undertake on-boarding and off-boarding activities agreed within the Order Form and an exit plan in line with the Call-Off Contract terms which will be charged for in accordance with the Pricing section for this service.

## 8 Skills and Knowledge Transfer

Capgemini recognises that skills and knowledge transfer is a critical element in the provision of G-Cloud services to public sector clients. Where possible and applicable, this forms part of the delivery plan for the service agreed at the start of the engagement. Our consultants and engineers are experienced in providing skills and knowledge transfer for major private and public sector clients.

Where appropriate, we may use a standard approach, tailored to topic, skills-gap and individual, to ensure consistency and effectiveness. The approach, Capgemini's Assess-Plan-Implement framework, has been used repeatedly by our teams to structure the work involved in transferring skills and creating new teams capable of driving and sustaining change long after the end of the formal programme. The framework can be applied throughout a project to understand knowledge transfer objectives, plan training delivery methods and materials, and deliver and evaluate success.

## 9 Partnerships/Alliances

Capgemini has strategic alliances with Amazon Web Services, Microsoft and Google. Capgemini can leverage these alliances to find potential funding and preferred rate negotiations with these Cloud Service Providers. This option can be requested by you when you request this service.

In addition, Capgemini can use its partnerships with Cloud Cost Management and Optimisation software organisations to accelerate the service. This option can be requested by you when you request this service.



## 10 Vendor Accreditations/Awards



For the 13th year in a row, Capgemini has been recognised as one of the World's Most Ethical Companies® by the Ethisphere® Institute. This is an acknowledgement of our ethical culture that makes us an employer of choice and responsible player in the eyes of our clients, shareholders, and the wider community.



ISO 9001 Quality Management for Management Consultancy and IT Implementation and services to the Public Sector



ISO 27001:2013 - Provision (Delivery) of IT services including business applications development, maintenance and Data, Digital and Cloud technologies.



NelsonHall has identified Capgemini as a Leader in its 2022 NEAT Vendor Evaluation for Learning Services due to its ability to meet future client requirements as well as its capability to deliver immediate learning benefits to them.



Capgemini is the first amongst consultancy and technology firms to be recognised six times in a row for its thought leadership reports.



2023 Ecovadis Platinum Rating: We maintained a platinum rating, recognising us as a responsible and sustainable business in the top 1% of companies assessed.



Better Society Awards: Our collaboration with Code Your Future to offer digital skills training won a Better Society Award in 2022. The awards celebrate efforts by commercial organisations to create a better society.



Inclusive Top 50 UK Employers List: We achieved second place in the Inclusive Top 50 UK Employers List 2022/23 – a list that assesses companies for best practice on diversity, equality and inclusion



UK Best Workplaces for Women: We were listed as a Best Workplace for Women by Great Place to Work®. This listing is based on responses from our team to an anonymous survey about their employee experience.



UK Best Workplaces for Wellbeing: We are listed by Great Place to Work® as a Best Workplace for Wellbeing



Great Place to Work: We were certified as a Great Place to Work® in 2023, reflecting our employees' experience of working at Capgemini in the UK.

## 11 Sub-contractors

Capgemini UK may use the following subcontractors to deliver this service:

- Capgemini Technology Services India Limited.

## 12 Business Continuity and Disaster Recovery

No disaster recovery plan is provided as part of these Services.

## 13 Pricing

This service is priced in accordance with the SFIA Rate Card attached. Capgemini can also provide offshore resources at reduced rates where appropriate. Projects can be priced either on a Time & Materials or Fixed Price basis.

## 14 Ordering and Invoicing

Please refer to the Supplier Terms for this service.

We would be pleased to arrange a call or meeting to discuss your requirements of our service in more detail.

## 15 Termination Terms

Please refer to the Supplier Terms for this service.

## 16 Further Information

For more information about this or any of our G-Cloud services, please contact our Public Sector Team.

**Phone:** 0370 904 4858

**Email:** [publicsector.opps.uk@capgemini.com](mailto:publicsector.opps.uk@capgemini.com) including the following information:

1. The name of this service.
2. The name of your organisation.
3. Your name and contact details.
4. A brief description of your business situation.
5. Your preferred timescales for starting the work.

## About Capgemini

Capgemini is a global business and technology transformation partner, helping organizations to accelerate their dual transition to a digital and sustainable world, while creating tangible impact for enterprises and society. It is a responsible and diverse group of 340,000 team members in more than 50 countries. With its strong over 55-year heritage, Capgemini is trusted by its clients to unlock the value of technology to address the entire breadth of their business needs. It delivers end-to-end services and solutions leveraging strengths from strategy and design to engineering, all fueled by its market leading capabilities in AI, generative AI, cloud and data, combined with its deep industry expertise and partner ecosystem. The Group reported 2024 global revenues of €22.1 billion.

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