

Dec.2025

Cloud and Architecture Optimisation

Service Definition

V1.0





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Document Creation date

12-2025

Business Area/C.o.E./Area

Public Sector

Country

United Kingdom

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1 Service Overview

BIP helps organisations plan, design, develop, implement, and adopt new cloud and data platforms and architectures.

By providing support to organisations we enable optimisation of data architectures and platforms considering all elements of a successful cloud migration including data mesh, lakes, lakehouses; data platform modernisation, FinOps, AI engineering, app modernisation etc.

The types of support we provide include:

- Scope, Objectives & Baseline
- Define optimisation goals (cost, performance, reliability, security, sustainability, user outcomes).
- Establish architectural baseline across apps, data, integrations, identity, and service operations.
- Collect telemetry and utilisation data; confirm constraints, dependencies and policies.
- Architecture Review & Pattern Alignment
- Evaluate workload architectures (SaaS/PaaS/IaaS), landing zones and platform services.
- Identify anti-patterns (tight coupling, chatty integrations, monolith hotspots, over-provisioning).
- Recommend target patterns (microservices where justified, event-driven, API-first, zero-trust, immutable infra).
- Performance & Resilience Optimisation
- Bottleneck analysis (compute, storage, network, database, integration).
- Right-sizing, autoscaling and caching strategies; queueing/back-pressure patterns.
- Resilience uplift: multi-AZ/region design, failure mode analysis, DR testing cadence and RTO/RPO alignment.
- Data Platform & Analytics Optimisation
- Data architecture health-check (lakehouse/warehouse marts, streaming, batch).
- Storage tiering and format choices; partitioning, compaction and indexing strategies.
- Data quality, lineage and governance improvements; performance tuning for BI and AI workloads.
- Integration & Interoperability
- API management and iPaaS review (versioning, throttling, observability, error handling).
- Event and messaging patterns (pub/sub, exactly-once/at-least-once trade-offs).
- Interoperability strategy across public-sector partners and legacy systems.
- Security, Privacy & Compliance Guardrails
- Identity and access model optimisation (least privilege, role design, break-glass, MFA).
- Data protection enhancements (classification, tokenisation, encryption, key rotation).
- Posture management: policy-as-code, baseline drift detection and remediation processes.

- FinOps & Cost Efficiency
- Cost-to-serve analysis by service/domain; savings plan/reservation strategy.
- Rightsizing, scheduling, storage lifecycle rules and data egress controls.
- Tagging standards, budgets/alerts, showback/chargeback and financial dashboards.
- Operability & Observability
- Telemetry strategy (metrics, logs, traces) and SLO/SLI definitions per critical service.
- Alert hygiene, runbooks, auto-remediation playbooks and capacity management.
- Release/change pipeline optimisation: deployment rings, rollout/rollback, change failure rate.
- Sustainability by Design
- Carbon-aware optimisation levers (workload scheduling, serverless/container efficiency, storage lifecycle).
- Eliminate unused resources and retire legacy components to reduce footprint.
- Embed sustainability metrics into reporting and governance.
- Roadmap & Implementation Support
- Prioritised optimisation backlog with value, risk reduction and effort scoring.
- Quick-wins playbook (30/60/90-day) plus structural change programme.
- Optional assisted delivery, pair-programming/pair-engineering and knowledge transfer.

2 Track Record

We have worked with a range of organisations to help them deliver cloud and modernised data platforms. This includes:

Data Platform implementations – We have designed and supported the development and delivery, and migrations of advanced analytical statistical models and platforms across regulated and unregulated, private and public sectors.

Data Warehouse, Lake etc.. implementation – We have designed, planned and implemented data warehouse, lakes etc... for clients across multiple industry sectors

3 Contacts

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4 About us

Who We Are

BIP is a fast growing global management consultancy (backed by CVC Capital Partners), employing over 6,000 professionals across 27 offices in 12 countries.

We operate across Europe, the Americas, and the Middle East; including here in the UK, Italy, France, Germany, Spain, Portugal, Switzerland, Austria, Brazil, Chile, Colombia, the UAE, and the US.

We help organisations tackle complex challenges, outpace their competitors, and build a sustainable future through strategic insight, operational excellence, and technology innovation.

In the UK, BIP has been recognised by *The Times* and trusted by FTSE 100 companies, government departments, and industry leaders, establishing itself as one to watch in the consulting landscape.

Our Philosophy: Value, People and Technology

At the heart of everything we do lies a powerful combination: **value, people and technology**. These three pillars enable us to deliver meaningful, scalable, and lasting outcomes for our clients.

We are value creators and business integrators, combining strategic insight with implementation excellence to help organisations move the dial at pace.

Our work is powered by deep expertise in digital transformation, AI, cloud, and technology-led change, ensuring every solution drives sustainable progress *and* measurable impact.

Our Approach: Design to Deliver

We are doers and makers, NOT just PowerPoint writers.

Everything we do is designed to deliver real, measurable change within defined timelines. We ideate, test, and learn, working closely with clients and partners in an open, collaborative way to ensure every solution is built to last.

Our goal is not only to deliver outcomes, but to transfer knowledge, and empower clients to continue their transformation independently.

This partnership model offers long-term value and enables us to focus on where we can make the next biggest impact.

Our Expertise

With deep sector experience across:

- Financial Services
- Government & Public Sector
- Defence & Industries
- Energy, Utilities & Resources
- Telecoms & Media
- Retail & Services
- Life Sciences
- Commercial Real Estate

We bring sharp insight, proven delivery experience, and technological edge to every engagement.

The recent integration of Verco and Riskcare into BIP UK further strengthens our offering, adding market-leading expertise in net zero strategy, sustainability advisory, and financial risk technology.

Here to Dare

“Here to dare” is more than a motto, it is our mindset.

We dare to think and act differently, to explore beyond limits, and to create opportunities through bold innovation and collaboration.

We believe in shared journeys, celebrating results, milestones, and even challenges, because true responsibility means growing together.

We imagine a future where business thrives through the synergy of technology, humanity, and sustainability.

The BIP World

BIP is a world of innovators, designers, data engineers, change managers, producers, and marketers, all working together, contaminating each other with ideas, energy, and passion.

We want to leave a mark with what we do and share a journey with every company we work with.

We’re 6000 people, 47 nationalities, 12 countries, united by a drive to empower organisations through technology and passion.

Our people, the BIPers, are the heart of our success. They thrive in an environment that encourages self-expression, growth, and balance, inspiring them to engage clients with the values they live by.

5 Other Information

The scope of our G-Cloud Service

The scope of our G-Cloud service is defined in this document and the associated features and benefits. It covers the supply of professional services to support the evaluation, selection and deployment of cloud solutions and services for a range of public sector organisations.

Are we a reseller?

BIP is not a reseller and it is totally independent of all product vendors and solution providers.

Support provided to buyers

When buyers have shortlisted one or more of our services, they may ask clarification questions prior to purchase. This helps them understand, in more detail, if we are the best supplier for them and how they can benefit from our service. We then use our knowledge of the cloud solution marketplace to advise and guide clients through the specification, selection and deployment process.

How users work with this G-Cloud service

Users can use this service to obtain professional advisory support for their GenAI needs. This can be on a short term, long term or ad-hoc basis using either selected specialists or a team approach.

Service onboarding and off-boarding process

When a client buys us using one of our G-cloud services, we typically undertake an initiation process at the start of the service to ensure the client's requirements are fully understood and that they are clear about what we will do, how we will do it and what we will deliver. We will also discuss and agree how any issues will be raised and managed from either side during the service operation.

At the end of the service, we will typically undertake a review with the client to ensure they are happy with what has been delivered and that their expectations have been met. We can also discuss and future support if this is appropriate.

Pricing

We provide services and our day rates are shown in the SFIA rate card for this service.

Service definition and how it will be delivered

The services defined in this document and the associated features and benefits will be delivered by one or more of our consultants with full management support and quality assurance from our public sector portfolio leadership. The service will be delivered from our office, working remotely or at the client's offices, depending on which is most appropriate.

Our security certifications and standards

BIP has the Cyber Essentials Plus Certificate of Assurance which is renewed each year.

Our approach to personnel security

BIP's personnel checking process for new employees includes all components of the employment processes described on Gov.uk, including validating their right to work in the UK.

We cover checking original versions of the necessary documents with the new joiner and making and retaining copies of these documents.

The identity documents and other information gathered are sufficient to enable Government Security checks to be undertaken. BIP maintains an extensive pool of appropriately security cleared consultants.