



User Journey Mapping

GCloud Service Description Document

Bringing Ingenuity to Life.
paconsulting.com

Corporate Headquarters

10 Bressenden Place
London
SW1E 5DN
+44 20 7730 9000
paconsulting.com

Prepared by: PA Consulting

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User Journey Mapping

1.1 Short Service Description

Our user journey mapping connects you to those who use your products and services, identifying pain points and halo moments across their experience. Our illustrated outputs present the findings in a layered way, to support progressive learning, taking the viewer from macro insights to micro details and incorporating contextual findings.

1.2 Key Service Features

1. An interactive, digital map of user journeys
2. Map the journeys, pain points and halo moments
3. Understand journeys across key personas or segments
4. Grounded in primary research, i.e. interviews, online ethnographic activities
5. Incorporates raw insights i.e. imagery, videos, voice, screen recordings
6. Designed in PowerPoint, fully editable and easily shareable
7. Follows a web design structure, including familiar navigational elements
8. Takes the viewer through a non-linear, true life experience

1.3 Key Service Benefits

1. Bringing stakeholders closer to users and interaction with touchpoints
2. Detailed map of the 'as-is journey', springboard for innovation
3. Foundational insights that explain the 'why' behind behaviours
4. Mapping emotional needs central to delivering best-in-class experience
5. Journeys compared side-to-side, e.g. around older and newer systems
6. Agile delivery: insights shared early during insight gathering
7. Team of experts, specialising in journey mapping method
8. The interactive aspect supports learning and discussion
9. PowerPoint delivery is easily editable and shareable

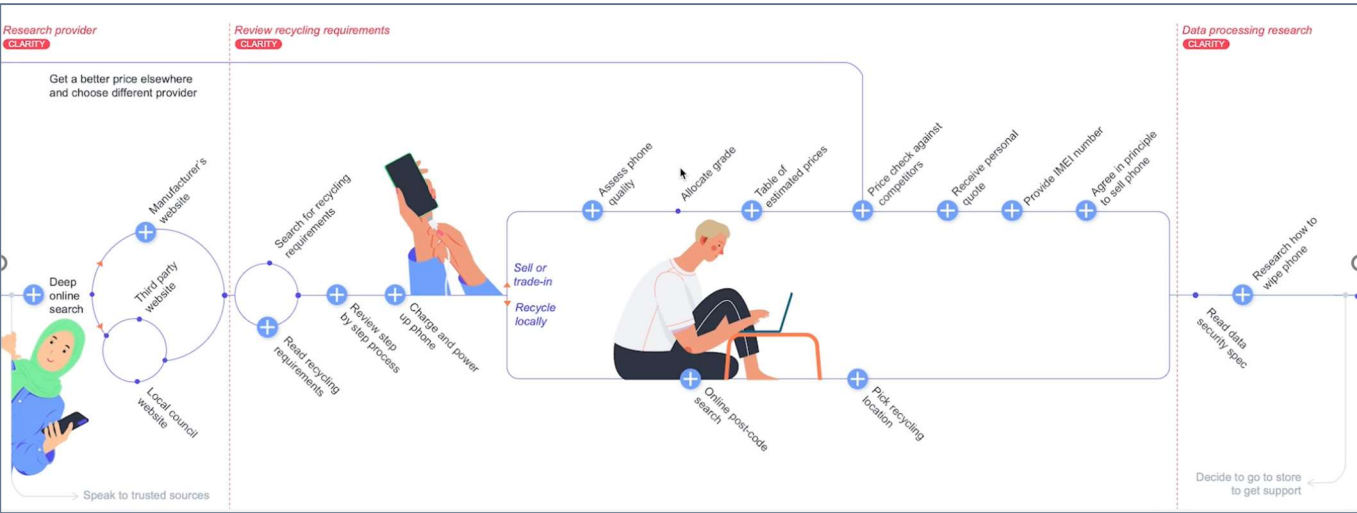
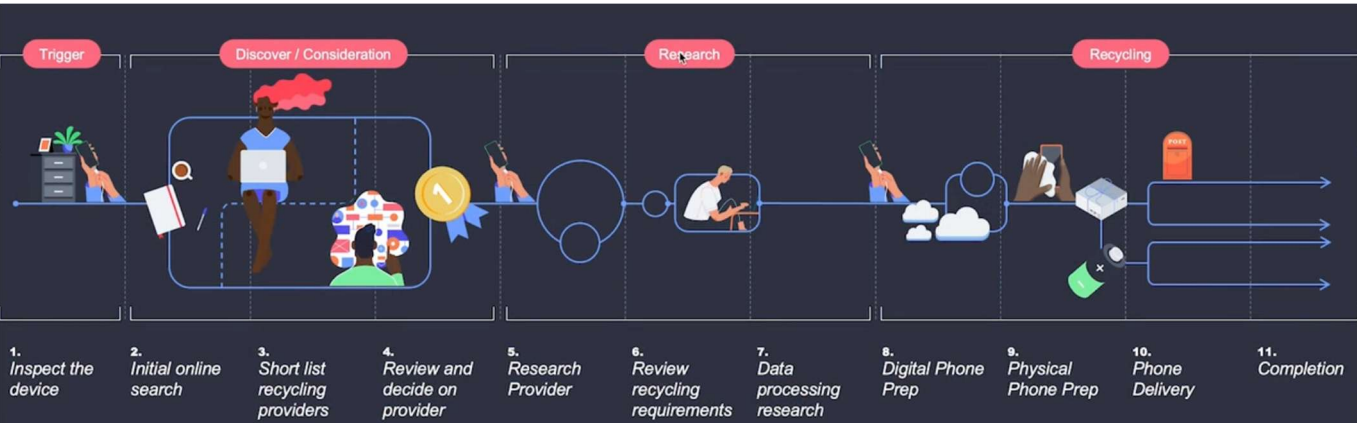
1.4 Service Definition

Current state User Journey Mapping helps provide **foundational insights and a holistic view that illuminates the wider context impacting user behaviour**. These might be organisational factors (e.g. tech barriers, company structure and culture) as well as people factors (e.g. learning styles, generational preferences). PA’s Human Insight team have created a propriety approach and output known as ‘Atlas.’

A clear understanding of the ‘as is’ journey and key pain points provides a knowledge springboard to define solutions and innovate from a well-informed and crucially human centric perspective. It is the first step before rapid beta and alpha testing in innovation cycles, and before future stating your Target Customer Experience (TCE)*. Researching the current experience can be deeply valuable to ensure your design approach is truly human centric and de-risking adoption and integration problems down the line.

**TCE is another PA product that maps out the ideal journey of a service or system user, based on agreed innovations.*

‘Atlas’ is PA’s proprietary product for delivering current state user journey mapping. Example visuals are shown below:



1.4.1 Harnessing the power of empathy

The greatest advantage of journey mapping is feeling what your users experience, by seeing and hearing how they interact with touchpoints within the journey. Unmet emotional needs can be hard to identify and frame (especially via other research methods such as quantitative studies) yet they are central to understanding how to deliver a best-in-class experience and solve the problems that need solving. **Atlas brings realistic experiences to life, not only to understand your current experience, but also craft a winning one.**

Importantly, stakeholders are brought together with a shared purpose driven by empathy, for their service and system users.

1.4.2 Deeply ethnographic approach

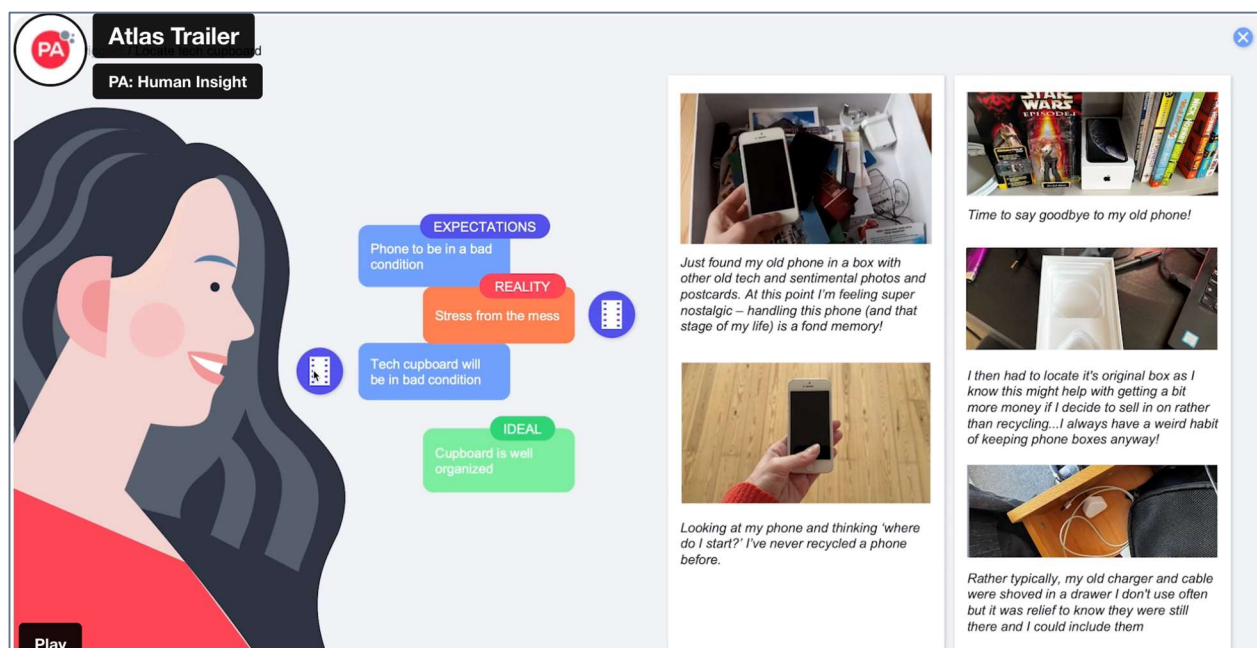
User journey mapping 'Atlas' is rooted in user's truth which they convey through online ethnography (e.g. diary studies, on-the-go voice notes). We use primary research with people who use the systems and services, so that you can: see, hear, and feel what they do.

Typically, there are 3 key stages involved.

1. **Online journaling (which we call a discovery diary)**
2. **One-to-one follow up interviews**
3. **A series of mapping workshops to pull together the insights**

Ethnographic in-the-moment research is important to overcome the say-do gap (a potential problem in research when there's a difference between what people say they do and what they actually do). Digital ethnography works well and can be supported by site visits to help immerse ourselves in user environments and follow up interviews.

Screenshot Atlas trailer, showcasing ethnographic findings:



1.4.3 Distilling complexity into simplicity

User journey mapping requires us to be comfortable with complexity, understanding that changes to key touchpoints will have nested implications across your business, hence taking time to deploy. PA's Human Insight team have proven processes for distilling complexity into refined simplicity:

We draw on the expertise of multi-disciplinary teams - human insight researchers and in-house recruitment specialists, strategists across wider PA (e.g. People & Change or Agile Delivery) and important stakeholders to bring the full context we need to meet important outcomes and KPI's.

We have a "one-team" agile approach, collaboratively working with clients and partners. Whilst current state journey mapping is typically a 12-week programme, top level insights are shared as they are surfaced – enabling delivery of quick wins before deeper transformational change (a huge advantage to agile development teams working at pace).

Finally, PA's Atlas product has been praised for its effective simplification of complicated user journeys by bringing human stories so strongly to life.

1.5 Why PA Consulting Group (PA)?

A trusted partner for cloud, AI, and digital technologies

PA Consulting Group (PA) is a leading technology and innovation consultancy and one of the UK government's most trusted advisors, combining strategy, delivery assurance and deep engineering to turn complex ambition into assured outcomes. We bring end-to-end capability across cloud architecture, data and AI, cyber, and advanced technology R&D, backed by a track record of scaling innovation in the public and private sectors.

Our UK work is anchored by secure, standards-led delivery. PA maintains ISO/IEC 27001 certification across global operations, demonstrating disciplined information security and operational control, and applies UK government good practice (GDS, NCSC CAF) across cloud and digital programmes.

We combine consultancy with real engineering. At our Global Innovation & Technology Centre (Cambridge), 300+ scientists, designers and engineers operate extensive labs and studios to prototype and industrialise solutions, bridging physical and digital from concept to production.

1.5.1 Why PA for cloud, data and AI

- **Hyperscaler alliances without vendor lock-in.** PA is Premier Tier with **Google Cloud** (13+ years; 150+ certifications; specialisations in infrastructure, data analytics, app dev and security) and holds deep **AWS** and **Microsoft** credentials, accelerating secure data foundations and generative AI at scale while keeping advice independent and outcome-led.
- **Responsible AI you can trust.** Our Responsible AI framework, governance toolkits, and risk policy make AI adoption transparent, auditable, and compliant, embedding lifecycle controls, model documentation, and human-in-the-loop safeguards aligned to evolving regulation.
- **Impact beyond pilots.** We help organisations become *intelligent enterprises*, using data and agentic AI to create and protect value, with pragmatic roadmaps from use-case selection to scaled operations.
- **Proof through delivery.** Our client stories span enterprise data platforms, IoT and analytics (e.g., Rentokil Initial), and product innovation at scale (e.g., Unilever) where PA has put data and AI at the heart of continuous, market-leading improvement.

1.5.2 Cloud capability (assess, design, build, assure, run)

PA applies an assured cloud delivery approach to complex government and regulated environments, blending client-side delivery assurance, multi-cloud architecture, and resilient operations:

- **Strategy & readiness.** Maturity assessments, target operating models for hybrid/multi-cloud, and cost/benefit modelling; proportionate GDS compliance and ISO 27001 controls embedded upfront.
- **Design & architecture.** Secure, well-architected patterns across Azure, AWS, and Google Cloud; data platforms, identity and access, and cross-domain solutions for sensitive estates.
- **Build & deploy.** Cloud-native engineering, DevSecOps (CALMR), CI/CD, infrastructure-as-code; automated testing and quality assurance to accelerate safe release.
- **Migration & modernisation.** Legacy transformation, platform reviews, and workload migration tuned to resilience and cost; pragmatic FinOps to keep spend predictable and efficient.
- **Operate & optimise.** Observability, incident management, performance tuning, backup/restore, and change management, maintaining business continuity and reducing total cost.

- **Client-side delivery assurance.** Forward-looking, risk-based assurance that keeps complex programmes on track, covering governance, architecture, testing, migration, service readiness and cutover. See our *IT Delivery Assurance* service.

1.5.3 AI, ML and data (from strategy to scale)

- **Strategy & governance.** AI blueprints, operating models, and policy; enterprise data governance; regulatory readiness; centre-of-excellence setup and change adoption.
- **Engineering & MLOps.** Data platforms on Azure/AWS/GCP, pipelines and feature stores; robust ML lifecycle with monitoring, drift detection and auditability.
- **Generative & agentic AI.** Secure integration of LLMs (including Copilot) into workflows for measurable productivity and quality gains, using guardrails, system cards and ROI framing.
- **Responsible AI.** Lifecycle controls and assurance tooling to manage bias, security and transparency.

1.5.3.1 Quantum and emerging technologies

PA's applied physics and quantum engineering teams help clients unlock near-term value, combining quantum techniques with classical systems for decision support, advanced sensing and secure communications:

- **Decision support & optimisation.** Hybrid quantum/classical algorithms to accelerate complex planning, routing and resource allocation where speed and quality of decisions matter.
- **Quantum sensing & RF.** Novel quantum radio and Rydberg-based sensing to enhance spectrum use, detection sensitivity and resilience in contested environments.
- **Commercialisation insight.** Advisory at the “whole-stack” level, hardware, supply chain, interfaces, and ethics, to move from lab to market within national strategies.

These capabilities are industrialised at our Cambridge centre, turning concepts into robust prototypes and pre-production systems across sectors like defence, energy and transport.

1.5.4 Cyber security and digital trust

Digital trust is central to PA's approach. We design security into architecture, operations and culture, aligning to NCSC CAF and GovAssure, and delivering testing, red-team, SOC design and OT/IoT security:

- **Transformation & architecture.** Secure-by-design patterns, cloud security, identity, and cross-domain data protection (including NCSC-approved Oakdoor data diode products).
- **Assurance & regulation.** CAF/GovAssure alignment and pragmatic remediation plans for government organisations.
- **Testing & resilience.** CREST-aligned penetration testing, red-teaming, incident readiness, and operational resilience.

1.5.5 What PA will bring

Ideation & Strategy

- Cloud strategy and advisory services
- Cloud readiness assessments
- Cost/benefit and ROI modelling
- Security and compliance by design.
- AI/ML and data strategy (blueprints, operating model, governance) with Responsible AI policy and guardrails.
- Quantum opportunity framing and whole-stack commercialisation roadmaps.

Design & Architecture

- Bespoke enterprise and cloud architectures
- Integration with existing IT infrastructures
- Hybrid/multi-cloud design
- Continuity and disaster recovery
- Data platforms and MLOps patterns
- Security, privacy and resilience embedded by design in technical designs
- User-centred-design
- Secure cross-domain solutions and high-side/low-side integration where required.

Development & Deployment

- Cloud-native engineering
- Containerisation, microservices and serverless
- DevSecOps (CALMR) with CI/CD and automated testing
- Generative AI and Copilot enablement with measurable productivity outcomes and run-controls.

Implementation & Migration

- Data migration and legacy modernisation
- Vendor selection and management
- Infrastructure-as-code with progressive, low-risk cutover.

Operations & Management

- Observability, incident management, SIEM/SOC design
- Performance optimisation and cost management (FinOps)
- Backup/restore
- User training and change adoption.

Innovation & Scaling

- Scalable cloud infrastructure to support growth
- AI/ML implementation and scaling
- IoT integration
- Ongoing innovation sprints and R&D, supported by our Cambridge engineering labs for rapid prototyping and pre-production.

1.5.6 PA is fully equipped to manage any challenges or requirements you may present

Across strategy, design, build and run, PA blends independent advice with hands-on engineering, operating to ISO 27001 and UK government standards, and backed by hyperscaler partnership depth. Whether the brief is modernising a sensitive cloud estate, industrialising AI responsibly, or de-risking a quantum-adjacent programme, we bring the multidisciplinary team to get from idea to reality, safely, quickly, and at scale.

1.6 A Genuine commitment to Social Value

At PA, we believe in the power of ingenuity to create a positive human future. Central to this ambition is our commitment to developing high-quality opportunities that enable individuals to acquire leading-edge skills, all within an environment that supports personal wellbeing and growth. We invest in our people through comprehensive training and development, ensuring they are fully prepared to tackle our clients' most complex challenges and advance their own careers.

We recognise that diversity drives innovation. Therefore, our recruitment practices are inclusive, welcoming individuals from all backgrounds. Every member of our team is empowered to reach their full potential through inclusive policies, processes, and a culture that is continuously improved using robust data.

We are passionate about creating genuine opportunities for those facing significant barriers to employment. Since 2023, our Digital Apprenticeship Programme has offered a Digital and Technology Solutions Degree through the University of Roehampton or Northumbria University. Our apprentices typically include first-generation professionals, college leavers, and individuals from ethnic minority backgrounds, many living in deprived areas. Additionally, we offer summer internships for undergraduates entering their final year, hosted at both our central London office and the Global Innovation and Technology Centre in Cambridge.

Economic responsibility is integral to our purpose. PA is accredited as a Living Wage employer, and where relevant, we ensure that our suppliers and subcontractors are paid at least the minimum living wage. We are also a signatory to the Prompt Payment Code, demonstrating our commitment to fair and responsible payments to suppliers.

Our carbon reduction targets have been validated by the Science Based Targets initiative (SBTi). We have a published carbon reduction plan and are committed to achieving carbon net zero by 2040, in alignment with PPN 06/21 criteria for UK public sector contracts exceeding £5 million. In 2024, we achieved a silver EcoVadis rating, reflecting our ongoing progress in sustainability.

We are dedicated to delivering targeted social value and will collaborate with you to determine the most effective approach for you, ensuring our efforts have the greatest possible impact.

1.7 Security Clearance

PA are fully compliant with industry best practices for information security, which includes compliance with the UK MOD Industry Personnel Security Assurance (IPSA) standard, against which we are independently audited every three years. PA also has multiple sites with FSC (previously List X) where our dedicated in-house Security Vetting team are based. This allows PA to achieve security vetting of its employees in a time effective manner ensuring the correct processes are always followed (In accordance with the Security Policy Framework/GS007). As a matter of standard process, PA puts all its eligible employees through the Baseline Personnel Security Standard (BPSS), set out by the Cabinet Office. Those employees working on, or planning to work on, government projects are automatically put forward for SC clearance which are processed via UK-SV (formally the Defence Business Services – National Security Vetting). PA also process DV vetting through the UK-SV and other agencies, these are generally client sponsored.

PA currently have a large pool of cleared individuals (80% of UK Staff). Should a resource be identified where clearance is needed, the PA Security Vetting team will then process the individual through the relevant clearance procedure. The team will also be able to validate all existing clearances held by PA employees when requested.

1.8 Next Steps

This service is intended to help customers develop and deliver successful outcomes regardless of the life cycle stage they are at. PA prides itself on working with clients and helping them to deliver outcomes whilst also providing them the ability to ‘stand on their own’ so that they can move their solutions forward without future involvement. Please contact us on GCloudFramework@paconsulting.com to discuss your needs further.



About PA.

We believe in the power of ingenuity to build a positive human future.

As strategies, technologies, and innovation collide, we create opportunity from complexity.

Our diverse teams of experts combine innovative thinking and breakthrough technologies to progress further, faster. Our clients adapt and transform, and together we achieve enduring results.

We are over 4,000 strategists, innovators, designers, consultants, digital experts, scientists, engineers, and technologists. And we have deep expertise in consumer and manufacturing, defence and security, energy and utilities, financial services, government and public services, health and life sciences, and transport.

Our teams operate globally from offices across the UK, Ireland, US, Nordics, and Netherlands.

PA. Bringing Ingenuity to Life.

Discover more at paconsulting.com and connect with PA on [LinkedIn](#) and [X](#).

Corporate Headquarters

10 Bressenden Place

London

SW1E 5DN

+44 20 7730 9000

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