broadlight global
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DRIVING VALUE THROUGH DIGITAL CHANGE

Through our blend of expertise and dynamic global capabilities, we empower our clients to Build, Scale and Evolve successfully.

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Who are Broadlight

As a group of specialist practitioners, we formed Broadlight Global, united by our experience of transformative approaches to People, Process and Technology.

Formed in 2017 as Broadlight Limited and integrated with TWH Consulting in 2019 to form Broadlight Global, our brand today.

We work at the intersection of strategy, change, and digital delivery to enable organisations to perform optimally, delivering results at a far greater pace and reduced cost.

We live and breathe innovation, collaborating with all manner of organisations, from disruptive start-ups to FTSE100 enterprises and the UK Government.

The breadth of our experience and matured capabilities are combined, across our practices: Build, Scale and Evolve.
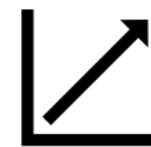
Our journey

2017

Founded in 2017.

Over 77 skilled individuals and climbing daily.

Consistently grown by at least 37% per year, including through the Covid pandemic

4 Delivery centres across Europe and South Africa.

Worked with the UK Government since 2018 and have delivered 6 key projects and continue to be a challenger to the larger suppliers.

Silver
Microsoft
Partner

Microsoft Silver Partner

HashiCorp

Key Government HashiCorp Partner

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Delivering excellence to clients, with offices and project teams across the UK, Europe, and South Africa

What makes us different

Since 2017 we've delivered high quality outcome driven technology solutions to a range of companies from start-ups to UK Government to FTSE 100 members.

We deliver advanced modern cloud software coupling engineering, user-centric design and our open collaborative delivery approach, underpinned by the latest technology and processes.

Honesty and openness is central to what we do. Combined with our quality of delivery this drives the trust that our clients have for us.

As a challenger technology consultancy, the high quality of our work, the culture our team have created, and the openness of our people make us the obvious alternative for clients.

Our agility, communication and ability to deliver high-quality outcomes helps us to succeed at tackling the most complex problems.

Our rapid response, commitment to technical excellence and real focus on actual outcomes means that we continue to succeed where others have struggled.

"Broadlight has quickly become a trusted partner, working across a number of BEIS digital programmes. Employing their OneTeam approach, they have quickly integrated with our internal teams. The Broadlight team has also helped to successfully build our internal team capability by mentoring and coaching our FTEs."

Kram Ali | HM Gov Delivery Manager

"Jody, Michael, and the team have been instrumental at every stage of this journey. Right from the off it was clear that they were prepared to really take the time to understand our vision and purpose in addition to the functionality of our system. This meant their input were not simply tactical, but that they could add to our process in a way that was strategic and intuitive. "

David Mahoney | CEO

"Broadlight were able to help us accelerate our move from continuous delivery to continuous deployment by putting in place a robust Kubernetes ecosystem that has enabled us to move from 2 weekly deployments to multiple per day.

By listening to our requirements Broadlight was able to put in place a solution that met our needs whilst being able to scale to meet future demand. At all points Alex and Broadlight were receptive to our needs, took the time to suggest different solutions outlining the benefits and disadvantages to ensure we ended up with the optimal solution."

Joe Muldoon | Software Engineering Director

"Broadlight Global is the cornerstone to our technical and growth strategies. Their team consistently impart strategic wisdom, ninja DevOps skills and the ability to pull rabbits out of hats when it really counts. They truly understand our mission, team culture and also share our entrepreneurial spirit. They are our equals, an extended family of Team CM. "

Yasmin Ullah |CPO

"Broadlight worked in partnership with Honeybee to scale our SDLC teams across Minneapolis, Sofia and London. They provided Honeybee with over 25 top-class resources; vetted and onboarded a blend of permanent staff, contractors and consultants to enable us to go to market with our no-code activations platform."

Steve Gall | Director of Cloud Services

IQVIA in Brighton had big plans for expansion but found it difficult to find people who fit their culture in the area. Working in complete partnership with IQVIA the team scaling team were paramount in successfully overcoming this with their innovative service. They have an unrivalled local and regional network with additional reach into the UK and European markets. I thoroughly endorse them for their work as a trusted and highly collaborative partner of choice."

Joel Trickett | Director

Our Mission and Values

Our mission is to be a leading people-centric technical consultancy and reset the bar of client and supplier relationships, to demonstrate that true partnership is achievable, and leads to better outcomes for all.

Collaboration

There are no heroes in success, only OneTeam. Together we protect an environment of innovation, ensuring all feel safe to share ideas, make mistakes and learn from each other.

Listening

Until we truly understand, we can't develop successful solutions. It is only through empathizing and listening with curiosity that we can combine perspectives to harness a team's full potential.

Excellence

We don't strive to be the best; we strive to be the best for our clients. We believe in the art of the possible, knowing that we will exceed expectations through determination, continuous improvement, and believing in better.

Trust

No matter how many badges or stories we have, trust is not a given. We earn trust through embodying integrity, honesty and transparency at every interaction.

Enjoyment

High-performing collaborative teams are positively motivated. People, their well-being and enjoyment of their working lives must never be undervalued. Good humour, having fun and building lasting relationships are the fuel to our fire.

Social Value

Broadlight has completed a Social Value Action Plan which we review and update every two months and can be made available upon request.
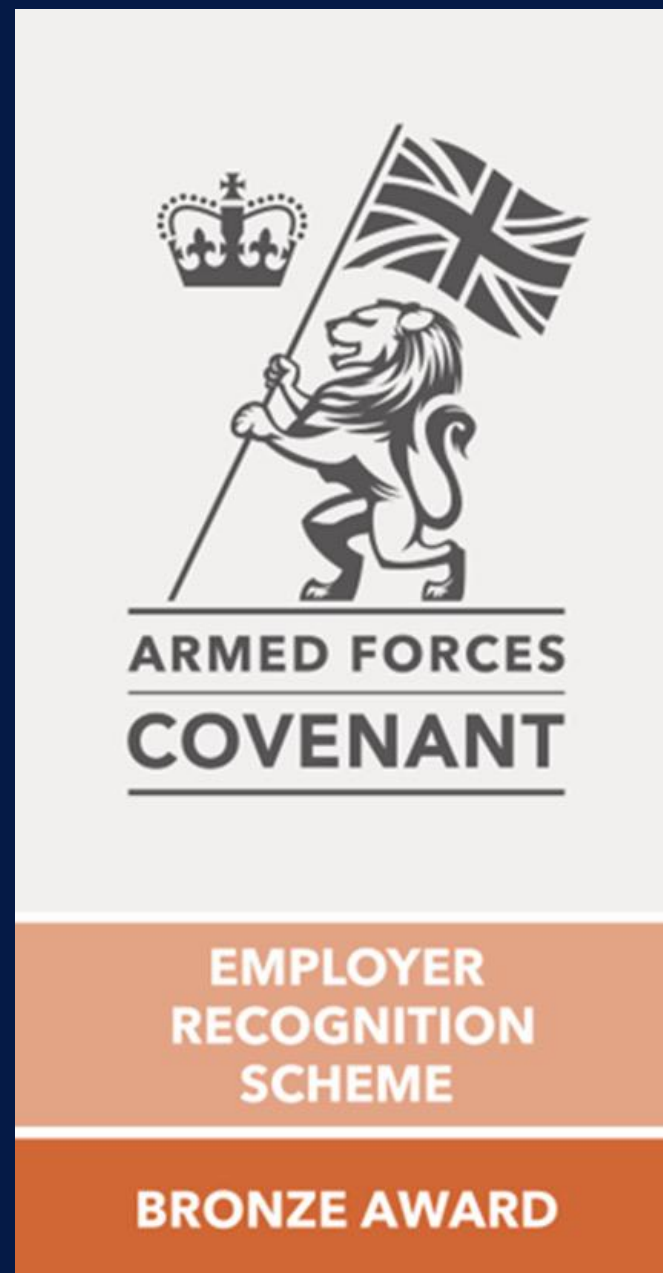
Improving supplier diversity, innovation and resilience

Broadlight is deeply committed to this important subject, and we are constantly improving our corporate policies and personal commitments to these subjects. As an SME we are typically smaller than is legally required to adopt these policies, but we believe in them wholeheartedly and therefore have passionately and voluntarily adopted many of these best practice policies including:

• Modern Slavery Act
• Diversity, Equality and Inclusion
• Trans Equality
• Climate Emergency Declaration

We are also in partnership with switchboard.lgbt a local charity for a safe space for anyone to discuss anything, including sexuality, gender identity, sexual health and emotional well-being. They support people to explore the right options for themselves and aspire to a society where all LGBTQ+ people are informed and empowered, something we wholeheartedly support. We have an annual Broadlight's got Pride event where all staff get together to share experiences and have fun in our safe and inclusive environment.

To improve our diversity, innovation and resilience, we are committed to using ethical, local suppliers wherever possible, ensuring that our own supply chain and service provisions are in line with our values, ethics and the above policies and standards.

Tackling climate change and reducing waste

Broadlight Global declared a climate emergency in December 2019 and updated it in December 2021. This page provides the updated declaration which is shown on our website to reflect our public stance. Broadlight will therefore commit to:

- Making our own activities net-zero carbon by 2030, both production and consumption.

- Achieving 100% clean energy across the companies' full range of functions by 2030.

- Ensuring that all strategic decisions, budget formulation and planning policy is put in place to ensure the protection of the environment and achievement of net-zero carbon by 2030.

- Influencing and inspiring our partners across the UK towards a sound environment and climate goals.

- Calling on the UK Government to provide the powers and financial resources required to address the emergency.

- Working with The Carbon Trust to promote and drive corporate sustainability across the UK, helping to reduce climate impact and transition to a low carbon economy.

- Contributing to the global response to climate change through collective action, innovation leadership and influence.

- Investing in modern technologies that offer sustainable solutions and business models that enable the conditions for change and positively transform by scaling that works.

- Constantly measuring and analysing Broadlight Global's footprint through the introduction of carbon reduction strategies.

- Continually respond to the future consequences of climate change by aligning our business strategy to emerging market trends and embedding sustainability within our corporate culture.

- Enhancing our company reputation by cutting down and reducing our carbon, water and energy costs and waste management.

- Assessing the carbon and environmental impacts and risks across both our supply and value chain, then setting practical strategies and targets that deliver efficiency and mitigate risks.

- Constantly communicating the value of sustainability to all our customers and stakeholders.

- Continually working with our global networks, our people, the Government and businesses to positively promote that we can create a better future for everyone.

Creating new businesses, new jobs and new skills

Broadlight is heavily invested in supporting 18 to 30-year-olds to develop and expand their careers. Our growth centred in Brighton and Hove has enabled us to expand our workforce where over 50% of our employees are under thirty. As we continue to grow our strategy is to invest in the raw talent that has been not so fortunate in life and for us to develop and nurture them through our comprehensive CPD and training programmes. All additional revenues from new contracts enable us to move forward on our growth plan with local 18 to 30-year-olds central to this strategy.

We have just launched our exciting BIP – Broadlight Internship Programme, a grassroots endeavour to allow young people to cross-skill into the IT Services Sector.. Senior team members provide mentoring, upskilling and shadowing opportunities.

Health and Wellbeing

As per MAC 1.5: Workplace conditions of the Government Social Value, we place great emphasis on the health and wellbeing of both our employees and their family and friends. Providing a business that supports this wider family is a key principle of Broadlight.

A key theme from the feedback we have received through our recent survey of COVID-19 at work is about how you can manage your own physical, mental health and wellbeing during tough times and aid the wellbeing of others. Through our daily stand-ups and retrospectives, we have listened and learned to identify increased stress and anxiety, whilst dealing with uncertainty, and sustaining resilience. We have provided many online resources that are available to help; these will suit some people and some others, depending on their personal preference. These can and will be tailored to the team whilst working with your HR colleagues to ensure a happy and safe working environment is at the forefront of how we deliver as OneTeam.

In addition, our team are working with Stonewall to adopt their DEI framework and adopt the Workplace Equality Index along with our Trans Equality Pledge. All staff have completed Unconscious Bias training to help identify and remedy unconscious personal biases.

Example work

Our approach to developing and running pipelines has been a key success in delivering a key part of the Home Office Suspicious Activity Reporting System (SARs) reform programme. A critical part of this relates to technology transformation, which Broadlight was central to.

The first stage of connectivity testing with financial institutions has successfully been completed using the Azure DevOps pipelines we developed. Once complete, the new arrangements will be available for use by all members of the regulated sector. In 2020-21, the UKFIU received over 742,000 SARs (an increase of 29% on the previous year) and over 105,000 Defence Against Money Laundering applications (an increase of 69% on the previous year).

We worked with a NHS Trust providing strategic and tactical hands-on advice on their adoption of Azure DevOps and have just completed the first set up of their new ADO in Azure Cloud, for the Product development teams to write, build, and deploy code.

Our initial phase included a complete integration from Jira Service Desk to ADO boards for complete information flow.

For Central Government provided Data DevOps capacity providing knowledge and experience of DevOps, cloud, CI/CD and related techniques and technology. This involved DevOps automation services, troubleshooting issues and Working with cross- functional teams to ensure quality throughout the software development lifecycle. This involved using Azure Data Factory, Azure Key Vault, Azure Data Lake, Azure Databricks, Terraform, Azure Cosmos DB, SQL, Pyspark and Python.

Our work required us to create a custom-made solution to load and transform XML data to JSON and ingest in Cosmos DB. This was achieved through an automated ADF transfer pipelines and Databricks code that transforms the data using Pyspark and ingest the data to Cosmos DB. Our work enabled ingesting of uncommon data formats coming in XML to a more structured data, made available for building reports.

Central Government Client wanted to migrate from Azure Functions to Kubernetes (AKS), with clusters in multiple regions. Despite having a sizeable amount of infrastructure in Azure, nut didn't have any Infrastructure As Code (ARM/Bicep or Terraform).

• Enabled a to move from two-weekly deployments to multiple releases per day.
• Improved business agility
• Improved pipeline standards through reusability
• Upskilled the internal team to be self sufficient

Case Study

The Challenge

A Government Agency embarked on a journey into cloud computing through an existing third-party and needed a new supplier to complement the new w technology with new ways of working. The aim was to help move the department from legacy technology and waterfall ways of working to a modern, more collaborative department that would allow the free flow of change in a secure and agile way.

The department had selected Microsoft Azure as the target cloud platform, with the implementation being delivered by a third-party provider.

The current department's way of working was a traditional waterfall methodology, with a strictly gated process which the leadership team felt did not align well with the introduction of new cloud technologies and the improvement benefits this could bring. Broadlight were engaged to examine the current ways of working and approach with the aim of providing an appropriate roadmap suitable to support business change aligned to more Agile and DevSecOps approaches.

HM Government

Our Approach

To achieve the client's outcomes, we carried out the following activities:

- Worked with the leadership to create a cohesive message to the department relating a translation of their vision and the roles individuals would play within in this. This also outlined the method for how the assessment would be carried out, to prepare the department for our engagement. This scene setting was an important foundation to build upon with the departments.
- Carried out 1-2-1 interviews and team sessions, creating safe environments for individuals to put across their views across a number of aspects relating to the current ways of working and end to end delivery.
- Assessed teams' levels of leadership ,collaboration, communication, gratification, feedback loops and safety.
- Reviewed documentation and team approaches relating to requirements capture, code quality, deployment and user feedback.
- Reviewed current technology and tooling covering task management, development, testing, deployment, security and monitoring taking into account current level of automation.
- Provided weekly update to the key sponsors aligned in Jira to create a backlog for change
- Provided a final report and presentation including roadmap for quick wins, medium term initiates and long-term goals.

Outcomes

- The outputs provided confidence to the key stakeholders and issues were addressed in a revised order of priority, with flow based on the persona or wider challenges that needed to be met.
- Enabled Broadlight to deploy a senior DevOps coach to a key programme, acting as scrum master and coach to the team. This provided an evidence-based method of inviting wider teams and stakeholders to see improvements against both the quality and velocity of output and the team engagement and enjoyment.
- Implemented first automated pipelines including guardrails to the agency, improving deployments and releases against the defined governance model.
- Introduced microservices concepts to the development team backlog to support move to CI/CD
- The up lift in efficiency in the first team that roadmap of improvements was trialled on, created enough confidence to expand the team size by 100% and create a second Scrum team, to improve velocity of delivery.
- Enabled coaching and creation of Product Management, aligning application direction closer to user and citizen needs, improving outcomes and team gratification.
- The improvements led to wider adoption aligned to the roadmap and work continues internally with no need for our involvement, due to the quality of outputs and coaching.

Case Study

The Challenge

To build Help to Grow: Digital as part of a multi-vendor team. This is a high-profile project, that was kicked off in the wake of Covid, and the initiative came directly from the Chancellor of the Exchequer.
Help to Grow: Digital is a UK-wide government-backed scheme that aims to help companies choose, buy and adopt digital technologies to help grow their businesses.

The Help to Grow: Digital scheme offers businesses:

- Free, impartial advice and guidance about what digital technology is best suited to your business and how it can boost your business' performance

- Targeted financial support, if your business is eligible, worth up to £5,000 towards the costs of buying approved digital technologies

Tech Stack
- Azure, C#, .NET, HTML, CSS, PostgreSQL, Strapi, MVC5, Razor
- The Cloud application is made up of 3 streams – Vendor Management Portal, Learning Platform and Voucher Application.

Our Approach

We put together a multi-disciplinary team, into a multi-vendor environment including Delivery Management, Business Analysis, Full-stack Development, Testing and Analysis capability.

Our delivery manager across one or more mission teams in the Help to Grow Digital Programme was accountable for the effective delivery of complex, high-risk products and services throughout the beta stages product life cycle and have responsibility as the main point of escalation.

Working with the Product Manager and delivery team to define OKRs, identify and manage dependencies with other mission teams and workstreams across the Help to Grow Digital Programme, managing agile ceremonies and reporting against progress.

User needs were gathered from the policy team and documented from workshops and 1on1s. Managing stakeholder expectations regarding what can/can't realistically be delivered in time / budget was key to a successful outcome. Requirements aligned to GDS standards with re-use of services where possible.

Our Agile team at BEIS have been deploying rapid iterative product developments from epics, features, user stories and tasks using INVEST criteria. Each user stories with acceptance criteria was developed and tested during each Sprint, this process includes: Create front end HTML and CSS, integrate front end and MVC backend, performing functional testing, creating automation tests, and delivering code to the approach branch for release.

Outcomes

Broadlight significantly streamlined the user journey. For example:

- Reducing user journey actions from 50–20, resulting in more SME completed applications and actionable data.
- Additional benefit Developed a company check API that can be reused by other government departments saving costs going forward.
- We have passed critical alpha / beta assessments, validating working to GDS service standards/design principles, having built products that met user needs and deployed live on Govt PaaS.
- SME businesses are now able to access free impartial advice and apply for business software potentially up to £5,000 towards approved digital technologies.

HM Government

Case Study

The Challenge

Having won a competitive Digital Outcomes & Specialists (DoS) tender notice to supply a central government department with IT Consultants, Broadlight mobilised a team to deliver a range of technical skills to meet fluctuating demand across a range of projects and departments.

HM Government

Our Approach

With aggressive timelines, due to the critical nature of the projects, and the need for BPSS security clearance prior to starting, the customer had high expectations in both timelines, quality and vetting

We assembled a team of 4 internal senior leads able to pool resources from across Broadlight, enabling us to meet the timeliness, quality and vetting requirements. We were able to rapidly deploy Consultants to meet the demands of the project and covering everything from consultant search and submission, security clearance, to onboarding, management reporting metrics and on-going consultant care.

Through our experience and abilities, we have been able to deliver a range of skill sets including Developers, Business Analysts, Delivery Managers, and UI experts. Skills include
- Github,
- VSCode/ Visual Studio,
- Azure DevOps, Docker, YAML
- Semmle, JMeter, Selenium,
- Cloud Foundry,
- Azure, SQL, Orchard Core / OrchardCMS,
- JavaScript, C#,,
- Powershell, Dynamics and Power BI

High quality, vetted, onboarded consultants have been provided in rapid timeliness that have enabled the customer to take their projects to the next level, providing enhanced business value.

Outcomes

We are currently managing around 20 consultants delivering on a range of projects for our client, enabling them to deliver critical projects for the benefit of the UK.

Our team alight to the GDS Service Manual and enable projects to move successfully through the phases of Agile project delivery. (Discovery-Alpha-Beta-Live)

With value added services including coaching and mentoring internal staff, this has resulted in expanding our reach due to internal recommendations within the organisation to service different project needs across multiple stakeholders.

Of particular benefit to our customer is confidence in our consultants. As part of our SLA, we have committed to providing the right consultants within a 5 –10 days period ensuring our customer projects do not suffer delays.

As well as delivering for our customer, all consultants are treated as trusted representatives of Broadlight, and this has resulted in happier, more engaged Consultants delivering great results and integrating seamlessly with internal teams.

G-Cloud Services

Platform Development

Azure Bicep, ARM and Terraform IAC Engineering

Azure and Azure DevOps Development Experience Enhancement

DevOps Assessment

Secure CI / CD Implementation

Kubernetes

DevSecOps Assessment

Security and Policy as Code

Azure Landing Zone

Power Platform

.Net

Containerisation

Cloud Security rationalisation - portfolio overlaps

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Azure DevOps

Cloud Delivery Teams

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Platform Development

We are able to assess and provide assistance, guidance and expertise to improve the current platform to increase reliability, quality and deployment frequency by adopting best practice methods and optimising tools for pipelines, integrations and deployments. In addition, we are able to enhance observability by providing guidance for improving monitoring.

Features

- Automating current manual tasks
- Use of platform tools to optimise
- Integration into current processes
- Knowledge transfer into the relevant operational support teams
- Dashboards to increase the visibility of the platform's state

Benefits

- Increased efficiency
- Reduced deployment times
- Optimised operational efficiency and reliability
- Greater observability of platform and application state

Azure Bicep, ARM and Terraform IAC Engineering

We have common best practices we apply to all engagements, that will benefit from cross-skilling during the engagement. Our objective is to leave a legacy of improvement to our clients from this engagement by utilising a range of IaC tools for Azure.

Features

Build IaC to the same expected standards as product code
Review your current approach to IaC
Build immutable infrastructure
Build automated environments
Build scalable services

Benefits

- Improved reusability of infrastructure assets
- Improved change velocity
- Improved scalability
- Improved cloud security
- Improved engineer satisfaction

Azure and Azure DevOps Development Experience Enhancement

The Developer Experience describes the experience developers have while using or working on your product, utilising the tools provided to them. Broadlight has a specific service that works with Government organisations to improve the DX, utilising a multi-skilled team.

Features

- Multi-skilled team of UX/DX Designers, DevOps Architects, Azure Specialist Consultants
- Seamless onboarding process for developers to tools and code promotion
- Overcome serverless challenges through a productive, event-driven programming model
- Containerisation best practice, deploy serverless functions to any Kubernetes cluster
- Implement Durable Functions unlocking workflow patterns for serverless workflows
- Implement YAML pipelines with automated security and testing protocols
- Design robust feedback loops and real-time ADO dashboards
- Improve the flow of development through better ways of working

Benefits

- Better developer experience, lower attrition rates and higher attraction rates
- Improved security reassurance
- Improved quality of consistent code
- Improved security
- Improved build and deployment velocity
- Enables hiring of more junior resources
- Higher levels of Team satisfaction and phycological safety
- Improves customer satisfaction
- Reduces time to market
- Reduces overall costs

DevOps Assessment

An independent review of your DevOps processes, tools and strategy, focusing on the key elements that will drive value from your current state. No matter where you are on your journey we provide an actionable roadmap to improve existing DevOps practice or organisations looking to a cloud future.

Features

- Conduct surveys with team members and stakeholders
- Conduct interactive workshops with teams and stakeholders
- Assess current process, tools and strategy against defined criteria
- Deep dive tooling and automation
- Deep dive into ways of working
- Deep dive into feedback loops and customer focus
- Determine the desired future state and create roadmaps for success
- Define effective KPIs for DevOps teams within the organisation
- Create a DevOps strategy able to deliver on desired roadmap

Benefits

- Prioritised backlog in key areas, maximising DevOps impact
- Clear realistic roadmap with key milestones aligned with organisation strategy
- Aligned DevOps strategy with business and development strategies
- Lasting repeatable approach which can measure your DevOps maturity overtime
- Increased automation and development efficiencies at scale
- Increased deployment frequency with reduced risk of failure
- A better understanding of your environments, assets and maturity level
- Clear journey for improvement

Secure CI / CD
Implementation

This service is designed to improve the maturity of your CI/CD through the introduction of security tooling and process within code promotion and deployment. Implement and enhance fully automated build, test and deploy pipelines for any application Designing CI/CD with aligned security guardrails and works with a variety of technologies.

Features

- Branching, merging, testing and deployment strategy and design
- Integrated Static Code Analysis
- Integrated Static Code Security Tests
- Security Scanning in pre-production
- Automated pen testing in pre-production
- Automated pen testing in production
- Automated end to end testing
- Feature Flags
- Canary deployment

Benefits

- Improved code quality
- Improved security
- Improved deployment and release confidence
- Improved velocity due to reduction in rework
- Improve product confidence
- Higher developer satisfaction
- Higher end-user or citizen satisfaction

Kubernetes

Our containerisation service allows the designing, building and deployment of solutions into containerised environments using industry-standard platforms and tooling and implementing automated test stages for code and security within the container and host environment

Features

- Architectural design consultation and recommendations
- Development workflow assessment and guidance
- Industry best practice recommendations
- Unit, integration and security automation testing guidance and implementation
- Automated coding standard enforcement

Benefits

- Robust and highly scalable solution design and implementation
- Higher quality output and reduced delivery time of products
- Up to date knowledge of current industry standards and efficiencies
- Increased development output from optimised processes and tooling
- Enforcing coding standards giving increased reliability and maintainability of code

DevSecOps Assessment

Our DevSecOps assessment is comprised of the typical approach of looking at tools and development process and how they're ensuring the creation of secure products and services. It also assesses other important aspects of DevSecOps often overlooked, such as cultural aspects and basic assumptions on how security is done.

Features

- Exploration of current technical practices, both security-specific and development
- Identification of discrepancies between policy and practice
- Review of technology portfolio for security and current maturity
- Review of current development activities, including backlog management
- Support in designing more effective and integrated work systems
- Skills assessment to support creating plan to upskill security teams
- Review and proposal of measurements to baseline security performance
- Exploration and recommendations on how to foster sharing of capabilities

Benefits

- Identification of opportunities for rationalisation of security technologies
- Reduced Capital Costs
- Integration of security objectives in development activities decreases security cost
- Higher performing and more integrated security teams
- Reduced gaps between policy and practice
- reduced liabilities for non-compliance
- Increased sharing of capability and information to level up organisation
- Establishment of relevant metrics to help direct team's security efforts

Security and Policy as Code

Our Security and Policy as Code service provides capabilities to codify existing security policies as tests which can be integrated into Continuous Integration and Continuous Deployment pipelines, across both application and infrastructure code.

Features

- Assessment of current programming languages across application / infrastructure code
- Assessment of the respective testing frameworks used
- Codification as tests of security and technology policies in place
- Integration of tests in deployment pipelines
- Creation of related processes and exception management capabilities to support

Benefits

- Rapid feedback to development teams regarding security posture of code
- Rapid feedback enables teams to fix security issues within Sprint
- Less security issues found for re-factoring
- Optimisation of internal governance processes
- Confirmation security requirements are being met

Azure Landing Zone

Broadlight's Landing Zone is designed to help the UK government rapidly onboard and consume Microsoft Azure infrastructure services. It is aimed at customers who are wishing to onboard and consume Azure to a set standard including all the guardrails required for early adoption.

Features

- Automated governance and security
- Rapid adaption of specific Blueprints, Policies, and Resource Templates
- Includes Identity, Security, Networking, cost management, backup, monitoring
- Aligned to Azure Architecture blueprints
- Aligned to NSCS 14 Cloud Security principles
- Future-proof architecture accommodates new cloud services and future patterns
- An extensible framework built around Terraform, ARM or Bicep
- Azure Well-Architected compliant
- Provides you with infra-build pipelines to extend as you scale
- Predictable Cost Management

Benefits

- Accelerate Azure onboarding time
- Reduce Deployment times for infrastructure
- Product teams up and running quickly
- Requires minimal upfront investment
- Negate many of the project risks and security challenges
- Overcome the challenge of finding Azure expertise
- Reduce risk and security posture
- Improve time to expedite delivery of your Cloud Strategy
- Production-ready environment from "Day One"

Terraform

As a UK HashiCorp Partner, Broadlight delivers a range of services relating to getting the most out of Terraform. Automate Infrastructure on Any Cloud utilising Terraform. Compose infrastructure as code in a Terraform file using HCL to provision resources from any infrastructure provider.

Features

- Automate infrastructure deployments through existing CI/CD workflows
- Infrastructure as code to enable and accelerate cloud adoption
- Deploy serverless functions with AWS Lambda
- Manage Microsoft Azure Active Directory resources
- Provision of a load balancer in Google Cloud
- Provision Kubernetes clusters on AWS, Microsoft Azure, or Google Cloud
- Interact with your cluster using the Kubernetes Terraform provider
- Automate key networking tasks such as updating load-balancer member pools

Benefits

- Automated provisioning and security, based on infrastructure and policy-as-code
- Improved IaC code maintainability
- Infrastructure and policies are codified, shared, and managed
- Enforce policies before your users create infrastructure using Sentinel policy-as-code
- Automate the usage of dynamically generated secrets and credentials

Containerisation

Our containerisation service allows the designing, building and deployment of solutions into containerised environments using industry-standard platforms and tooling and implementing automated test stages for code and security within the container and host environment

Features

- Architectural design consultation and recommendations
- Development workflow assessment and guidance
- Industry best practice recommendations
- Unit, integration and security automation testing guidance and implementation
- Automated coding standard enforcement

Benefits

- Robust and highly scalable solution design and implementation
- Higher quality output and reduced delivery time of products
- Up to date knowledge of current industry standards and efficiencies
- Increased development output from optimised processes and tooling
- Enforcing coding standards giving increased reliability and maintainability of code

Cloud Security rationalisation - portfolio overlaps

This Cloud Security rationalisation service uses the Cyber Defence Matrix to identify technology overlaps between the NIST security functions of Identify, Protect, Detect, Respond and Recover across 5 different asset classes of Devices, Applications, Networks, Data and Users.

Features

- Assessment of current programming languages across application / infrastructure code
- Assessment of the respective testing frameworks used
- Codification as tests of security and technology policies in place
- Integration of tests in deployment pipelines
- Creation of related processes and exception management capabilities to support

Benefits

- Rapid feedback to development teams regarding security posture of code
- Rapid feedback enables teams to fix security issues within Sprint
- Less security issues found for re-factoring
- Optimisation of internal governance processes
- Confirmation security requirements are being met

AWS Consulting

Broadlight's AWS Cloud practice focuses on the critical aspects of Cloud to ensure that product development teams are supported, and Cloud platforms provide a truly production-ready estate. Ultimately, we build Cloud platforms that provide optimal security, scalability and flexibility to adapt into the future.

Features

- WS Technical Direction and Solution Architecture design
- Leading AWS Technical workshops and training
- AWS Cloud Migration and replication, VMWare Cloud, High Availability
- AWS Disaster recovery and backups
- Implementing and delivering DevOps, tooling, and AWS Landing Zone architecture
- Implementing Automation strategy, monitoring design and operational readiness
- Implementing Cloud Security posture management with integration SIEM tools
- Conduct auditing on AWS as-is landscape and generating assessment reports
- AWS Cloud readiness assessments
- Multi-region / Hybrid / multi-cloud solutions

Benefits

- Improved customer and developer experience through improving product flow
- Improved scaling of AWS solutions through robust approaches to IaC
- Improved velocity and quality of development team throughput
- Improved visibility and observability for the product lifecycle and production
- Improved developer experience leading to lower attrition rates
- Improved customer satisfaction
- Reduction in time to market
- Reduction in overall costs
- Improved security reassurance
- Improved quality of consistent code

Cloud Security Assessment

Our Cloud Security assessment focuses on both the practices performed by technical teams, the technology used to protect your systems from security threats and also the development process and how it guarantees the creation of secure products and services.

Features

- Exploration of current technical practices, both security-specific and development
- Identification of discrepancies between policy and practice
- Review of technology portfolio for security and current maturity
- Review of current development activities, including backlog management, supporting security
- Support in designing more effective and integrated work systems
- Creating a plan to upskill security teams for integrated approaches

Benefits

- Identification of opportunities for rationalisation of security technologies
- Reduced capital costs
- Integration of security objectives in development activities decreases security cost
- upskill security teams for more integrated approaches
- understanding of team skills to create optimised tasks and plan
- Reduction of gaps between policy and practice
- reduced potential liabilities from non-compliance

Azure DevOps

Delivery of Azure DevOps services based around infrastructure as code, continuous integration, and continuous delivery. Working with development and operations teams to put in place robust yaml pipelines and associated automated testing and security.

Features

- Azure DevOps Assessments.
- Branching and merging strategy.
- Security tooling and DevSecOps Assessment and implementation
- Gold standard dashboard design and implementation.
- Implementation of best practice across the pipeline
- Deployment and Release best practice.
- Injection of skilled resources to increase velocity of team outputs

Benefits

- Improved Customer and Developer experience
- Improved Scaling of solutions in Azure
- Improved Velocity and quality of development team throughput.
- Improved visibility and observability both with the product lifecycle
- Higher levels of team satisfaction and phycological safety
- Improved developer experience leading to lower attrition rates
- Improved citizen satisfaction
- Reduction in time to market
- Improved build and deployment velocity
- Reduction in time to market

Cloud Delivery Teams

Broadlight integrated teams work closely with central government to deliver a comprehensive range of Cloud, Digital, Data and Technology services and improvements. By providing a tailored and flexible Cloud delivery model based on IaC and automation, we enable the central government to execute complex Cloud adoption and change programmes

Features

- Rapid deployment of teams, circa 5-10 days to onboard
- Scalable, on-demand access to specialist Cloud/ DDaT resource
- Embedded Agile / DevOps practices (Scrum, Kanban, BDD, TDD)
- Cutting edge approach to IaC engineering
- A robust delivery governance structure with defined supporting processes
- Flexible resource model to enable effective and efficient project support
- Integration of highly skilled resources within internal team structures/culture
- Security vetting included

Benefits

- Rapid time to onboard, including with security vetting
- Access to a diverse range of specialist, in-demand skills
- Programme delivery approach is clearly aligned to benefit realisation
- Cost efficiency through an optimum approach to project execution
- Cloud Consumption Savings, using infrastructure only when needed
- Increased confidence in delivering new features and change
- Improved alignment of delivery teams through CI/CD tooling
- Improved automation strategies to assist continuous integration and delivery

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