

NIAXO

innovation to insight



The NIA XO
Secure
Platform for
Analytics

Visit: niaxo.co

GCloud

**Secure Platform for
Analytics Ecosystem**

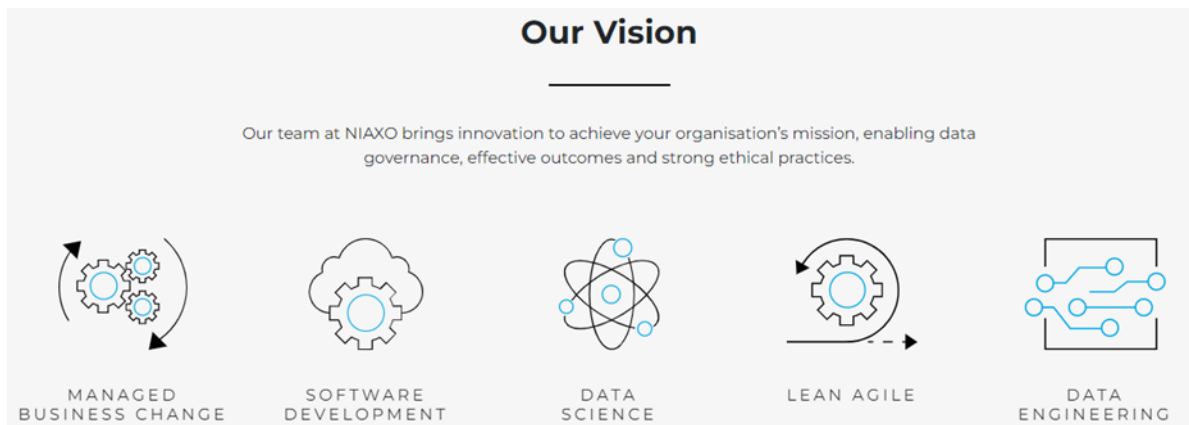
**Service Definition
Document**

NIAXO Ltd

V1.0 Final

1 Introduction

Since the inception of NIAXO our aspiration has always been to translate innovation into reality. Through a recent government programme, NIAXO has designed and delivered a future proof Secure Platform for Analytics, providing data governance, workflow management and dynamic data discovery.



Through innovation we enable organisations to gain exceptional insight from data

NIAXO was created to deliver innovation, process improvement and software solutions, using expertise in business analysis, data science, software development and business change.

The NIAXO team began working on some highly complex technical platforms in September 2019, including projects for the Nuclear Industry and then Central Government in early 2020.

NIAXO capabilities fall in to three main practices;





NIAXO SPA (Secure Platform for Analytics) is a fully scalable, hybrid cloud solution using both Amazon Web Services (AWS) and Azure, for enabling organisations to understand their data using an open architecture which can be deployed in days not months. With data governance and security at its heart, the SPA allows users to unlock their data from many diverse sources and caters for a wide range of skillsets; from data stewards to data scientists. Secure by design, the SPA empowers our customers to explore and tell stories through their data, as well as supporting data sharing and collaboration opportunities.



This document focusses on NIAXO SPA which is discussed in more detail in section 2.



NIAXO Labs is NIAXO's innovation powerhouse, where we experiment, research, and develop new products and services, to help our customers foster more insight into their data and business problems, as well as increase our own understanding

of key business challenges.



NIAXO Academy provides training related to our products and services that is CPD Accredited.

How NIAXO operates



No proprietary lock in

Since the inception of NIAXO, our aspiration has always been to translate innovation into reality without tying a client's hands. Throughout 2020 NIAXO worked on a programme that built a new business capability from a high-level strategy into reality in a matter of weeks. NIAXO supported this endeavour by delivering a future proof Secure Platform for Analytics. We migrated the SPA, then known as the Data Science Hub (DaSH) to the client AWS based cloud, with the applications and tools that made up the whole DaSH ecosystem/capability

2 NIAXO Secure Platform for Analytics Ecosystem

Our Approach

NIAXO work primarily in highly sensitive domains, so cannot shout too loudly about what we do, how we do it and who we work for. However, we would be happy to discuss our capabilities in more detail as is appropriate.

NIAXO's approach to the design, development and delivery of our Secure Platform for Analytics is IP, we would be happy to discuss with any client. Our generic approach to provide the SPA for a client is guided by highly effective User Centred Design.

Compliant by Design.
Just Enough Architecture.
Outcomes Focussed.

NIAXO is highly responsive to customer needs but will challenge to ensure best technology, value, efficiency and effectiveness is delivered.

NIAXO listens and determines the most effective and efficient way to deliver the outcomes our customers require.

NIAXO cares about what our customers think of us and our products.

NIAXO know Cloud technologies, we design and deliver Infrastructure as code that is:

Secure by design.
Fully scalable.
Hybrid Cloud solution.

Fully scalable with minimal licensing this hybrid cloud solution is based on common COTS and AWS components fully integrated into Azure AD.

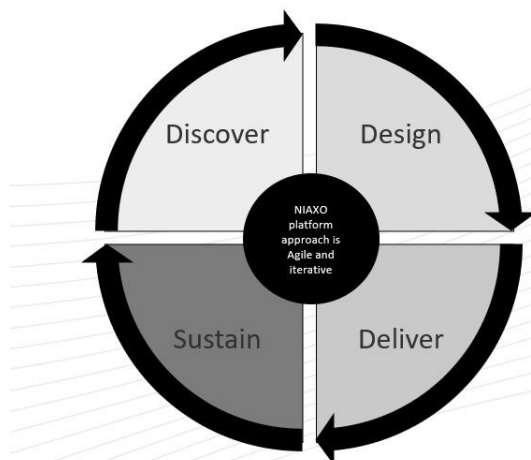
NIAXO can provide set up and deployment services (in days not months) as well as ongoing managed services to suit your needs.

The open architecture means that all requirements for enhancements from government clients are shared across all platforms at no extra cost. Where we can we work with Open Source technologies and platforms

No proprietary lock in.
Your platform.
Your data.
Your insight.

COMMERCIAL IN CONFIDENCE

Platform Approach and Methodology



NIA XO
Innovation to insight

COMMERCIAL IN CONFIDENCE

Platform development approach is Agile and iterative allowing for specific deep dives where required to deliver the required outputs, outcomes and capability.

Discovery is tuned to the requirement, i.e. it could have a focus on data using data mining techniques, dependencies, technologies, architecture and model exploration or be for a new capability requirement exploring all pertinent inputs including client policies, procedures, business objectives and rules, data protection and security rules that impact platform design.

Design is User Centred Design [and TOGAF aligned architecture] provides products for detailed ongoing review with the client to prevent a review and approval burden at the end of the step with no surprises for any party. Business Change is designed, discussed and approach agreed. ITIL4 compliant ITSM is designed, as required.

Deliver is the Agile build stage to develop the platform, test, assure and secure. Daily sprint stand-ups keep the Product Owner(s), wider team(s) and dependency stakeholders updated on progress, risks and issues which the OneTeam might identify from discussions. This step can also include client upskilling. ITSM approach is discussed. Business Change activities progress.

Sustain ITSM is put in place, appropriate documentation is provided, hypercare as required for a short period is provided, including development resources for bug fixing.

The Services we offer as part of the SPA Ecosystem

The services offered within the Ecosystem are those capabilities, services, applications and tools that may or may not require hosting on the NIA XO, some can therefore be offered separately including those discussed below. The services, as the technology and approaches are evolutionary, are not discussed in great detail, if more detail is required, please contact gcloud@niaco.co

Data Science Workbench deployed on the NIA XO Secure Platform for Analytics in the Cloud

NIA XO's Data Science Workbench (DSW) provides tools, hosted on the NIA XO SPA cloud native platform, deployable on any public, private or hybrid cloud. DSW provides multiple toolsets to explore, manipulate and exploit complex datasets and data sources using various data science techniques with features that include:

- Enables multiple data science approaches
- Use of multiple data science tools and toolsets
- Can exploit 000's of data sources
- Increase or implement automated ingest of assured data source
- Gain an ability to test your approaches and tools
- Supports secure local experimentation
- Support from data science experts/scientists as required

- Develop Data Driven Insight for your business decisions and strategy

Data Cataloguing on cloud hosted platforms using CKAN, on NIA XO Secure Platform for Analytics

Data cataloguing using CKAN hosted on the cloud hosted NIA XO SPA, or as focussed support to your CKAN implementation on your cloud based platform. Applies to all public clouds including AWS and Azure, On prem and hybrid. NIA XO Data cataloguing service has features including:

- Fully integrated CKAN catalogue hosted within the SPA ecosystem
- Single sign on authentication available, or traditional username/password sign in
- Understand the data that you hold and any restrictions
- Allow users to discover data that is available more quickly
- Include case studies and usage information for better data adoption
- Fully extendable using pre-built, or custom made CKAN plugins
- Use the CKAN API for discoverability in data processes
- Increase adoption of FAIR principles within your data holdings
- Used as a core component of the data governance lifecycle

Data Anomaly detection through persistent security scanning of cloud and onprem data

NIA XO has a unique data driven environmental scanning capability, enhancing your Secure Operations Centre (SOC) and Technical Surveillance Countermeasure (TSCM) service. By exporting the scanned data and importing it into the analytical tool, it can provide details and instant alerts to any anomalies detected. This service has features including:

- Real time Wi-Fi and Bluetooth device scanning
- Integrated, pro-active alerting to your SOC or building security
- Cloud-hosted, secure, remote monitoring
- Scanning capabilities spanning from traffic to frequency analysis
- Comprehensive understanding of device activity in your SOC or building
- Persistent scanning of the SOC and TSCM
- Real-time monitoring of physical scanning devices
- Pattern analysis and anomalous and abnormal activity detection
- Enrichment of network data with additional open-source / proprietary data
- Contributes to your Technical Surveillance Countermeasure (TSCM) service

Elastic Consulting for Cloud based data platforms

NIAXO is one of few Elastic consulting partners; NIAXO's skilled and experienced personnel can support your Elastic deployment for extensive search and reporting capabilities on cloud based data platforms. NIAXO's cloud native personnel hold certified Elastic credentials and broad technical systems experience, working closely with Elastic providing comprehensive consulting, supporting design, cloud engineering, build, operations and dashboarding.

NIAXO Elastic consulting for cloud based data platforms support has features that include:

- Elastic certified and experienced resources to provide engineering effort
- Design, ELK architecture and design services
- Aligns with your current modelling and reporting processes
- Deployment of core Elastic stack, supporting Beats and data ingest
- Performance tuning to ensure right fit for your environment
- Standalone cluster model, or cloud hosted deployments available
- Design and implementation of custom analytics dashboards/reports, including ML
- Integration of the Elastic stack with existing or bespoke applications
- Support for diverse data workloads, including observability and SIEM

AWS Consulting, design, cloud engineering and Infrastructure as Code, deployment and migration

Designing and deploying AWS including Infrastructure as Code, as an AWS partner with extensive experience, deploy complex, hybrid cloud solutions to HMG and across the public sector. Design, build and host Official Sensitive data and data with GDPR Special Categories, deployed with various models including Call Off or Managed Service. This service includes features that include:

- AWS Cloud Engineering to your needs
- Includes Infrastructure as Code where possible
- Deployment of complex and hybrid AWS clouds to HMG standards
- host Official Sensitive data
- Support GDPR special categories
- GCloud/CCS compliant commercial models suit.
- IES4 (Information Exchange Standard) compliant
- Use the AWS Technology suite including Sagemaker and Kubernetes

PWA / Single Page Web Apps hosted in the cloud

NIAXO's custom PWA / Single Page Web Apps provide a flexible alternative to a traditional

mobile application. They function in the same way as installed, native applications. On desktop devices they operate as a webpage. PWAs can be integrated into NIAXO cloud based SPA offering as a data collection tool. This service has features that include:

- Lightweight model of deployment
- Avoid using the traditional app stores
- Allow users to consume and create data, without downloading
- Modern, accessible user interfaces following GDS standards and best practices
- Available across multiple operating systems and mobile device types
- Direct and secure connection in to wider SPA offering
- Full authentication model with the ability to control access
- Use of modern JavaScript frameworks for interoperability and extensibility
- Team with practical experience of working with HMG data standards
- IES 4 compliant

Dynamic Intelligence Reporting (DIR) automated briefing packs, and situational awareness dashboards

NIAXO recognised the need for synthesised, pertinent, themed information, in a format and frequency that suits the customer. Our Dynamic Intelligence Reports are built using Cloud and web based data. DIR includes a range of dynamic and reference, open-source datasets, including an aggregated news feed with over 500,000 worldwide events. This Service has features including:

- Reports are built using whatever data you require
- Reports can be delivered as pdfs to assigned inboxes
- Reports can be delivered on an automated schedule
- Reports can be deployed as part of the NIAXO SPA
- Clients can design their own dynamic report
- Clients can choose from existing themes and/or make bespoke
- Time of report delivery can be assigned
- Releases staff to conduct analysis and develop insight
- Examples include Country, CNI, industry, domain, people or events.
- Provides an archive of intelligence

ORCID (Organisational Risk, Compliance and Information Discovery) Tool

NIAXO's Organisational Risk Compliance and Information Discovery (ORCID) tool enables

interrogation and compliance management of file stores, hosted in the Cloud. ORCID uses low cost and custom components, analyses file stores to provide a consolidated view of organisational assets. Data enriched using content analysis, thematic categorisation and document graphing. ORCID has features that include:

- A tool that supports threat assessments??
- Deployable as solo tool or part of NIAXO SPA ecosystem
- In-depth metadata exploration and analysis of extant data holdings
- Enhanced document content capture, thematic categorisation and analysis
- Graphing and clustering of data with similar properties and content
- Supported by Knowledge Information Management and Data Analysis expertise
- Tailored implementation approach to meet organisational needs
- Use of prevailing ontologies and vocabularies supporting semantic representation
- Continuous indexing of data holdings to facilitate real time analysis
- User interface permitting complex querying, custom visualisations and alerting

Threat modelling, using Elastic hosted on NIAXO Secure Platform for Analytics

Provision of skilled and experienced support for, or the initial implementation of, cloud based Elastic deployments, providing initial or enhanced and optimised search capabilities from multiple data sources. Our personnel hold certified Elastic credentials as well as having broad technical systems experience. Applies to all public, private and hybrid clouds and has features including:

- This modelling system allows multiple variables to be adjusted
- The result of this configurability is clear, evidence based outputs
- Supports scheduled briefing on threats
- Supports development of response options
- Client configurable
- Aligns with your current modelling and reporting processes
- Team with practical experience of working with HMG data standards.
- Elastic certified and experienced resources
- Design, cloud engineering, build, operations and support

Excel Data Service

Most organisations use Excel as a free, accessible and capable product for holding, sorting, managing and analysing their data. However. Many of these spreadsheets are uncontrolled, hold duplicated data and hold data that the organisation is not aware it has. Excel can offer

an effective tool in many circumstances, where data within is known, the spreadsheets are controlled and all data within spreadsheets are available for analysis and collaboration.

NIAXO can offer a seamless, team centric use of Excel on your cloud, or deployed on the NIAXO Secure Platform for Analytics, where users can securely share selected elements of a secure spreadsheet, enabling collaboration in a controlled manner. This service offers features including:

- access to locally held excel data
- connectivity to central data stores
- real time updates, as users provide and update excel data
- enabling data science driven by remote excel data
- connectivity to Jupyter / Sagemaker coding systems
- exploitation of your data from your excel sources
- Gain greater control and assurance of internal excel held data
- Maximises use of often overlooked, owned already, internal data sources

Cloud IT Service Management including design, transition, management and operations

Provision of Agile, reliable and secure IT Service Management capabilities from design to operation on your public, private, on-prem, hybrid cloud using ITILv4, ITILv3 and COBIT, focusing on data analytics. Service includes the approach, design, tool use, embedding in your enterprise, upskilling with the management and operation of the service. Service features include:

- Provides proven approach to IT Service Management for any enterprise
- Creation, delivery, and support of high-velocity IT services
- Delivered using agreed Service Levels
- Directly delivers automated end user support reducing cost of ownership
- Directly supports upskilling and delivery of knowledge transfer
- Provision of support and delivery across the entire service lifecycle
- Provides expertise and upskilling to run and manage IT services
- Comprehensive design and transition experience using industry standard frameworks
- Post incident analysis insight using ITILv4 aligned processes
- Service Performance Management

Managed Service

NIAXO managed service provides additional capability, functions and outcomes through the provision of security cleared (BPSS, SC and some DV) multi-disciplinary people.

An Account Manager collaborates with the client directly, with a Delivery Manager / Senior



Crum master leading the development and regular Agile ceremonies with the Product Owner and client team. Our BAs focus on delivering on User Centred Design and bridge the gap between business need and technical delivery.

NIAXO can augment the basic deployment and configuration of SPA and upskilling of client staff, providing:

- Agile business analysis, user stories and user requirements.
- Data modelling, architecture, data services including
 - Data governance
 - Data source due diligence
 - Master Data Management
 - Data Quality
 - Data Ingest Management
 - Data Migration
 - Design
 - Development
 - Delivery
 - Testing
 - Data Protection and Privacy

- Data analytics approaches, mentoring your staff to “leave behind capabilities”
- Secure analytics capabilities using Infrastructure as Code approaches, which can be hosted;
 - on any public cloud platform used by the UK Public Sector
 - on hybrid clouds
 - on bespoke private clouds
- Security Architecture and security design
- Infrastructure and Cloud architecture
- Testing Services
 - automation
 - SIT
 - integration
- Design and delivery of User Acceptance Testing
- Behaviour Driven Design
- Test Driven Design

NIAXO also review legacy and previous data architectures, strategies and models, map your As IS and develop your To Be with an achievable Roadmap, with transitions states if necessary.

Service Support

NIAXO Service Support is ITIL4 compliant we will use a tool that the client has invested in or if none exists, we can implement market leading automated tools including ServiceNow and Zendesk.

Service Support is determined in an SLA which is discussed with clients as to whether the client requires all 1-4 levels of support, for what daily durations, response times and whether require passive or active resource support.

The Secure Platform for Analytics (SPA) is a fully scalable, hybrid cloud solution using both Amazon Web Services (AWS) and Azure, for enabling organisations to understand their data using an open architecture which can be deployed in days not months.

With data governance and security at its heart, the SPA allows users to unlock their data from many diverse sources and caters for a wide range of skillsets; from data stewards to data scientists.

Secure by design, the SPA empowers our customers to explore and tell stories through their data, as well as supporting data sharing and collaboration opportunities.

Data Matters

Data Flows

NIAXO's Secure Platform for Analytics ensures every step in the data journey is tracked, recorded and linked, with full data lineage and provenance capture.

As data flows through the SPA, it flows through a series of integrated, configurable components, undergoing technical assurances, targeted storage and processing, underpinned by rigorous governance processes, protecting the integrity of data throughout its lifecycle.

Data Governance

Rigorous Data Governance and Access control is the heart of the SPA solution. Enabling proper control on how data will be used, capturing information to support its outputs, and providing gateway check points to ensure we adhere to legal and compliance checks. The governance workflow allows for both manual and automated processes to be adopted.

Data Cataloguing

The information Asset Register is the central catalogue where you can view all data and output products that your organisation has consumed and used thus far. This is a central library which provides every inch of information associated to the data sets and resources which have made it through the rigorous governance checks so that you have an organised catalogue.

Data Hosting, Privacy and Protection.

NIAXO does not by policy and design hold, access or process a client's data, reducing risk.

Where NIAXO provide, as part of a managed service, data engineers, modellers, analysts and scientist, and those that deliver governance and assurance, a Data Protection Act complaint agreement and client directive shall be put in place.

Data Ingest Automation

Our aim is to assure data flows and automated those that can be after governance and assurance processes have been completed to assure the provenance of data sources. We manage such via tools including Confluence and Jira and use Azure Dev Ops Kanban to provide easy management and visualisation of progress with open access provided to clients supporting performance management.

Supporting Principles and Activities

FAIR Principles

Our infrastructure, tools and processes are grounded in the core components of the 'FAIR Principles' framework, to promote findability, accessibility, interoperability, and reusability of data objects.

Employing recognised vocabularies to represent lineage and bespoke cataloguing solutions to support the persistence, longevity, and storage of metadata, we are continuously developing approaches to the longstanding challenges associated with data management and sharing within closed systems.

Exploration & storytelling

Powerful data outputs not only facilitate the identification of patterns and correlations but tell a reasoned and compelling story. From knowledge graph representations to interactive visualisations and a custom-built Situational Awareness Tool, for monitoring alerting and

dynamic reporting, the SPA supports a plethora of exploration and opportunities, empowering you to communicate your data in novel and unique ways.

Training

After the build, we ensure your team can competently use the platform and that requirements are fully deliverable by implementing a comprehensive training plan incorporating live workshops, training videos and user manuals.

Minimal licensing & fully scalable

A hybrid cloud solution is based on common AWS components, COTS offerings and is fully integrated into the Microsoft O365 platform.

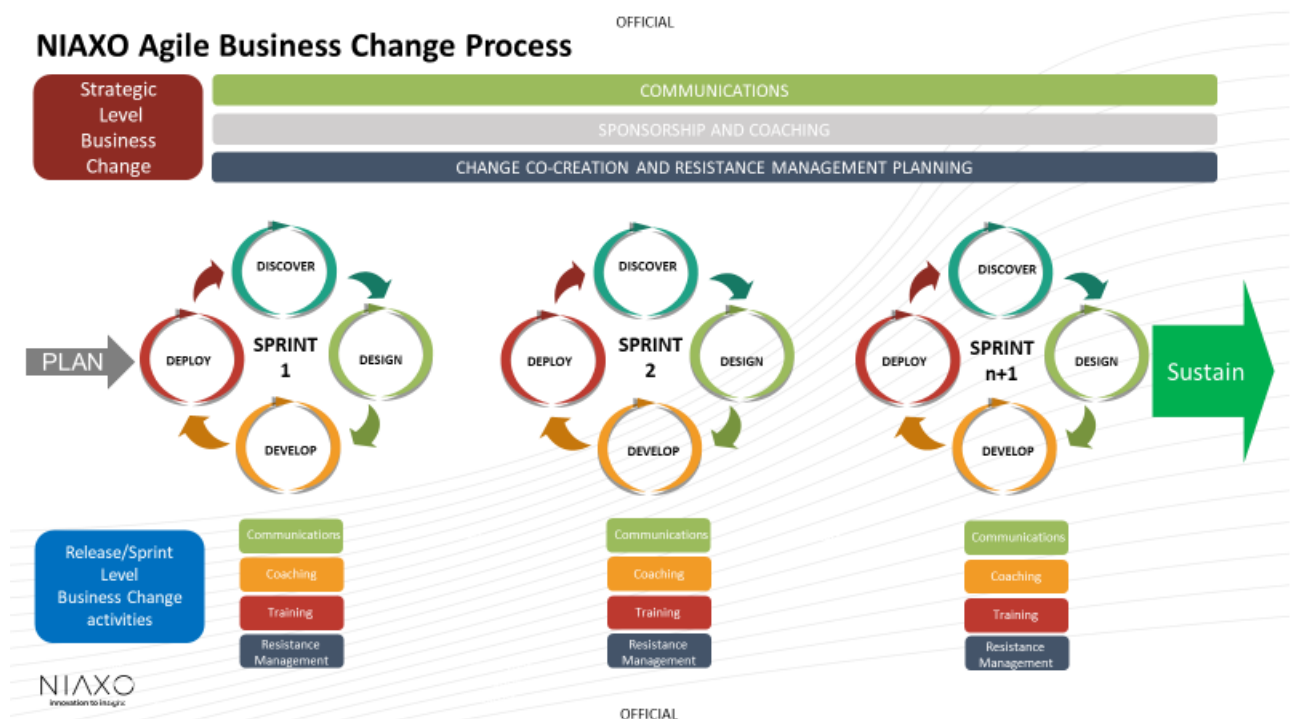
NIA XO can provide set up and deployment services (in days not months) as well as ongoing managed services to suit your needs.

Our Agile team of specialists enables us to provide a bespoke response to your company's requirement with designs that offer a unique fit. We offer strategic alignment and can cover any capability voids within your team structure.

The open architecture means that all requirements for enhancements from government clients are shared across all platforms at no extra cost.

Delivering Business Change, by design

For any change project Business Change (BC) activities must be planned and actioned from the start of a project. NIA XO BC SMEs work along side development, test and delivery staff at all stages of the project and sprints to ensure that BC activities from communications with non-technical and technical staff are timed and appropriate, designing upskilling activities and supporting any migrations. This active planning and management seek to reduce resistance and promote acceptance and benefits delivery.



Partners, APA Ecosystem Apps, Applications and Tools

NIA XO enjoys B2B partnerships with:



However, NIA XO partner with many other companies to provide greater capability and outcomes including Open Source technologies and platforms. In addition to being one of few Elastic Consulting Partners NIA XO also embraces capabilities provided by:

- AWS technology suite and open source technologies including:
 - Kubernetes
 - QuickSight
 - Sagemaker
- CKAN
- QlikSense

Case Study 1 - Data Science Hub (DaSH) Architecture

The Client Ask:

In May 2020, as the Covid-19 pandemic was gripping the UK, the Government initiated a new department hosted by the Cabinet Office, to start to process the vast amounts of data related to the outbreak. That department was to become the Joint Biosecurity Centre (JBC) NIA XO was selected to become the data platform delivery lead, not only to build tools and services for the JBC, but to consider the longer term data strategy. Given a blank sheet of paper as a design; with no tactical options in place, the team was asked to build from the ground up, with some broad requirements, and a deadline of “yesterday.”

Delivering successful outcomes (NIA XO’s Solution):

With a pressing need to get data scientists and analysts from a range of government departments across the whole of the UK making sense of the data surrounding the pandemic, the key criteria were to get a system up and running as quickly as possible. However, the system also needed to be secure and extensible, due to the sensitive nature of the data, and the as-yet unknown user requirements and demands.

Using extensive experience of cloud-based platforms and data governance/management, the team implemented a data science platform for JBC analysts in a noticeably short timescale and had it available for use within 2 weeks of our starting on the project. Key to this was the Data Governance Portal (a customised version of Jira) for managing data governance, data lifecycles, legal compliance and QA, and the Information Asset Register, a central data catalogue (built using CKAN), which manages over 300 datasets and more than 20,000 resources. Integration was achieved using an event-based model, leveraging serverless cloud functions to reduce costs and allow complex integrations.

Not only did users have a functional place to remotely access data science tooling, securely on the cloud, but also confidence that the data they were using had been governed correctly and was searchable through catalogue entries. All tools were developed and integrated as cloud-native, COTS or open-source in nature. RBAC and tightly controlled audit requirements were crucial to ensuring system security and accountability.

Throughout NIAXO's time working alongside the JBC, additional developments were made to bring regular data feeds into the system automatically, with schema and AV checking as standard, as well as helping to innovate novel solutions to data management and data science techniques. Also key to the success of the JBC was their ability to report their findings, through MI dashboards and reporting mechanisms, also managed as part of the governance lifecycle. One of NIAXO's greatest successes was the deployment of an enterprise-scaled Qlik Sense cluster, which greatly improved the JBC's ability to understand, visualise and report its findings.

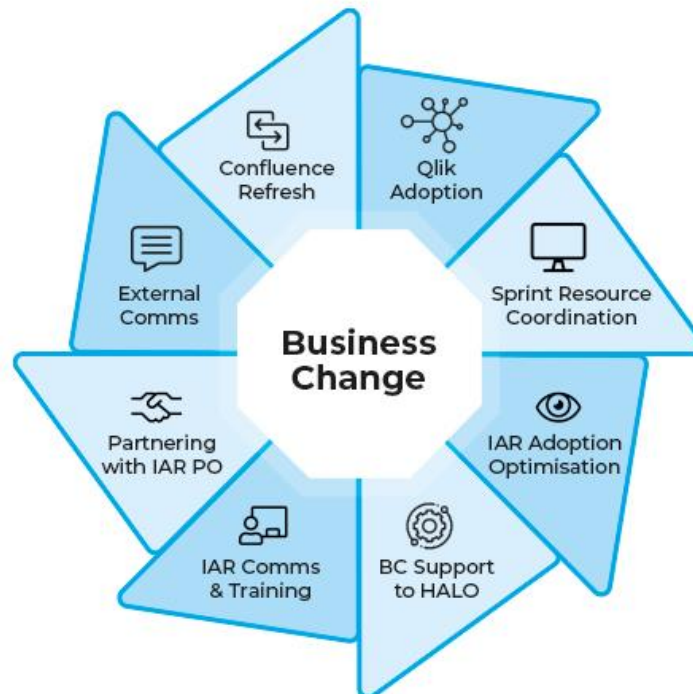
NIAXO's expert team delivered a vast amount of infrastructure, code and functionality remotely during one of the most pressured development experiences of their careers. The platform has been converted to use Infrastructure-as-Code to allow the JBC to continue to develop and expand its ambitions, and at its peak supported well in excess of 450 users.

Value Added /NIAXO differentiators:

NIAXO has extensive experience in managing data in highly complex, and highly secure environments. Using existing design patterns and experience, NIAXO's key differentiator was to be completely agile from the start, reacting to the needs of the JBC on an hourly basis, flexing the team where necessary. Additionally, NIAXO has key competencies in understanding data governance, lifecycle management and data protection. The aim was to build a system which was not only functionally performant, but also protected data owners and suppliers, data users, and the UK Government. This was built on a flexible and modular architecture that allowed for changes and additional requirements to be absorbed at pace without wholesale changes to the solution and the associated disruption to service.

Case Study 2 – SPA Driven Business Change

The Client Ask to manage Business Change required a multi-faceted response:



Delivering successful outcomes (NIAXO's Solution)

NIAXO's solution was to take a one team approach; a holistic platform-focussed group of specialists integrated with platform users to provide flexible Business Change engagement to suit their needs. Dedicated one-to-one points of contact for product owners provided on-demand support, as did the provision of focus and cadence to client transformation initiatives, underpinned by a dedicated training team delivering professionally accredited training, designed and developed in house.

Key deliverables included Senior Leadership Engagement sessions, weekly collaborative checkpoints, and the establishment of engaging and relevant communications. Specialist services provided to the client by the Business Change cadre included training review, refresh, and delivery; support for transition and resource planning; Uninterrupted Service Provision; all built on a foundation of clear methodologies.

Value Added /NIAXO differentiators:

NIAXO established a professionally qualified Business Change associate cadre which is methodology-agnostic, therefore providing unique insights and value to a range of the client's business needs and requirements. This holistic offering comprised a Platform Team with integrated Business Analysts, Knowledge and Information Managers, as well as Data Scientists, Data Analysts, and Service Management resources.

3 NIAXO Labs and NIAXO Academy



NIAXO's innovation powerhouse, where we experiment, research, and develop new products and services, to help our customers foster more insight into their data and business problems, as well as increase our own understanding of key business challenges.

Innovation as a service

By collaborating closely with our customers, NIAXO can help to surface new techniques, approaches, and technologies to address even the most complex business needs.

We offer a framework for either helping businesses to innovate through structured exploration of their requirements, or by providing them with the tools and techniques to realise their own goals.

Research and experimentation

By allowing our teams to have the space and freedom to experiment with innovative ideas and cutting-edge technologies, we promote a culture of innovation through research encompassing the whole of NIAXO, where our ideas can be incubated and cultivated.

We have specific expertise in modelling the full data lifecycle, including governance, data science, data and application security, and sharing using open standards, and are constantly working to further our knowledge and skills in these areas.

Prototyping/Alpha development

Our Labs environment is the perfect place to deliver novel solutions at pace, experimenting with early requirements, and understanding where the most value can be obtained.

Our developers are skilled at building customised solutions quickly, whilst maintaining core standards and good practices in line with our Software Development Lifecycle policies, data standards, and security practices.

Software engineering and application design

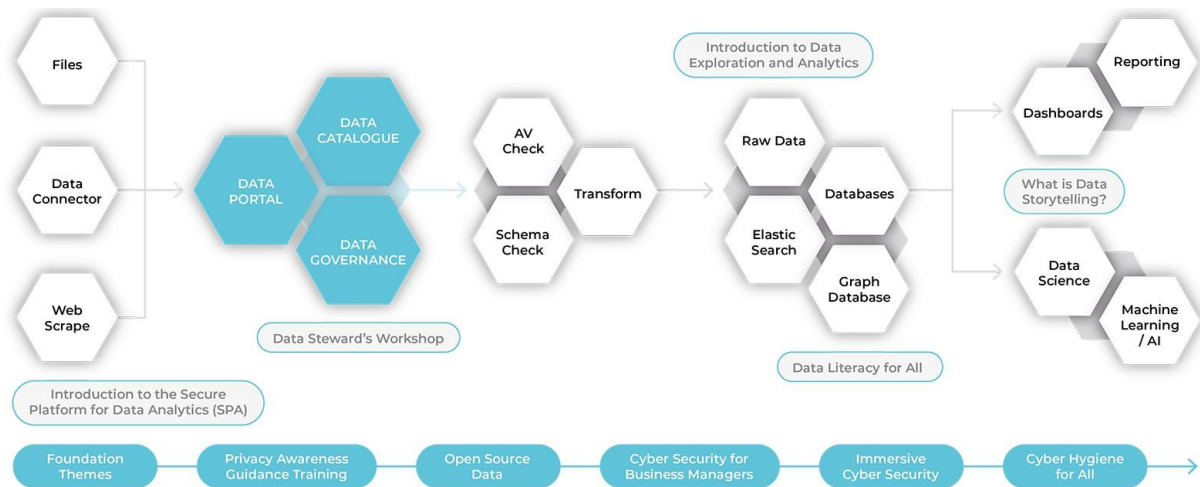
Our experienced development team have a wealth of experience in building new products and platforms, customising existing solutions, and integrating with bespoke applications.

For both our own internal development, and for the needs of our customers, we make use of our expertise to design the most appropriate solution, in line with our DevSecOps approach to engineering and vulnerability management.



Professionally Accredited Training

Courses delivered by industry leads and pre-eminent academics NIAXO Academy has designed and developed a suite of training courses to bring alive data science and data analytics. Our courses are professionally accredited by the CPD and complement the Secure Platform for Data Analytics (SPA).



4 Background

Agile, Scaled Agile and GDSS

NIAXO apply the best approach for the task and are skilled in the application of Agile and Scaled Agile (SAFe), we can provide experienced Release Train Engineers (RTEs) and Scrum masters as well as Project, Programme and Portfolio Managers (P3M), Account Managers and Delivery Managers to ensure complex projects are managed efficiently and effectively.

NIAXO is a digital and Agile native and will apply GDSM and work with clients to achieve a successful GDSS assessment.

Security and Clearances

All our consultants provided for Public Sector projects are as a very minimum BPSS, with the vast majority being UKVS Security Checked (SC) with some having Developed Vetting (DV) clearances. NIAXO will assess the need to apply for Facility Security Clearance (FSC) on a case by case basis.

Standards

NIAXO are Cyber Essentials Plus accredited. In addition, NIAXO are planning accreditation with:

- ISO 9001
- ISO 27001
- ISO 14001

Intellectual Property (IP)

NIAXO brings our IP and accelerators to advance work quickly.

- IP, we bring to any project we retain.
- IP, we develop funded by a client is owned by the client where it is not based upon our IP.
- IP, we developed that is based upon our IP may be shared with a client for client use and exploitation.

Ownership of IP is addressed at the start of projects.

Upskilling, Mentoring and Skills Transference

NIAXO aim to leave behind capability with our clients and actively support and deliver upskilling, mentoring and skills transference. Our aim being to leave a more capable client, with more technically capable staff to deliver and evolve services.

The client must of course provide employees with the right aptitude and ability to absorb sometime highly technical skills and knowledge.

Pricing

Pricing is discussed in the accompanying SFIA rates Card and Pricing Document, day rates stated are the maximum per grade / skill, per day worked which we may discount.

Discounts

NIAXO may offer discounts which can be:

- Reduced day rate
- As a rebate
- As a credit to a next Project or PO

Discounts may be provided:

- When contracted for 6 months, 12 months
- For graduated value, i.e. £250K, £500K, £1M
- When contracting for a Managed Service using more resource groups

Purchase Orders and Invoicing

NIAXO accept GCloud14 terms and adhere to the G-Cloud Purchase Order process and will if accepted by the client draft Work Packages with detailed deliverables, outcomes, outputs and deadlines, for review by the client.

Government Furnished Information (GFI)

When discussing any contract, we will determine with the client the GFI required and how it will be accessed, managed, controlled and handed back at the end of projects.

Government Furnished Equipment (GFE)

When discussing any contract, we will determine with the client the GFE required and how it will be accessed, managed, controlled and handed back at the end of projects.

Access

Clients will provide appropriate access and passes for buildings as may be required for the duration of the project or work package.

NIAXO will provide evidence of our consultant's security clearances as required

Risks, Issues and Opportunities

As part of any project NIAXO will actively participate in the identification, analysis, management and mitigation of risks and issues and seek the realisation of benefits or opportunities.

If you wish to find out more about NIAXO Secure Platform for Analytics or other services offered including SPA Ecosystem “Apps” and Tools, including Elastic and CKAN please contact:

gcloud@niaxo.co