

G Cloud 14 Service Definition Document

Analytics, AI, Insight & Visualisation

A large, abstract graphic featuring a series of interconnected white dots forming a wavy, mesh-like structure. This structure is set against a background of soft, out-of-focus green and yellow light, creating a sense of depth and movement.

Modernise Manage Monetise

About Agile Solutions

Agile Solutions is a UK based Data & Technology consultancy, providing a range of Data Management, Analytics and Cloud Computing services, with offices in Milton Keynes, Manchester, and Glasgow.

We work with SMB, Mid-Market and Enterprise clients across a wide variety of industries, including the wider public sector including central and local government. Some examples of our clients include the Department for Education, Department for Work & Pensions, the Gambling Commission and UK Export Finance.

Our key differentiator and our strength is in our people. As a business we specialise in data but it's the broad range of skills exemplified by our team that makes us a truly unique data partner. Our Technology skills sets, project management, consultancy and commercial awareness enable our team to deliver projects that go beyond our client's expectations.

Working with Technology partners such as Microsoft, AWS, Informatica, AWS and Snowflake, we help businesses to Modernize and get ahead of their competitors by harnessing emerging technology, people and process trends. We help Manage customers data by ensuring it is always reliable and ready to power their business and create a competitive advantage with new data driven solutions by Monetizing customers data.



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Data Visualisation

Agile Solutions helps clients transform their data into actionable insights with our Data Visualisation consultancy. We design intuitive and interactive dashboards, leveraging cutting-edge tools like Tableau and Power BI. Unlock the power of your data, enhance decision-making and drive business growth through visually compelling analytics.

Features

- Customised dashboard design tailored to your specific data requirements.
- Interactive visualisations for intuitive exploration and understanding of data.
- Integration with various data sources for comprehensive analytics insights.
- Dynamic filtering and drill-down capabilities for deeper data exploration.
- Mobile-friendly designs for access to insights anytime, anywhere.
- Collaboration features to share insights and promote data-driven decision-making.
- Real-time data updates for timely and accurate information presentation.
- Customisable branding and styling options to match your corporate identity.
- Secure access controls to protect sensitive data and ensure compliance.
- Scalable solutions to accommodate growing data volumes and user needs.

Benefits

- Increased efficiency in communicating complex data concepts to stakeholders.
- Improved decision-making.
- Empowered users with self-service analytics for faster insights extraction.
- Better identification of trends, patterns and outliers in data.
- Enhanced collaboration among teams through shared visualisation dashboards.
- Increased agility in responding to changing business conditions and requirements.
- Greater engagement and buy-in from stakeholders with compelling visual presentations.
- Reduced reliance on manual data analysis saving time and effort.
- Improved business performance and competitiveness through data-driven insights.

Case study

Finance Reporting Solution - We worked with one of the world's largest renewable energy companies who needed help unifying its financial reports and resolve inconsistencies to guide investment.

Agile Solutions worked with the customer to identify their goals, delivering a new financial reporting solution that was custom built to meet their needs through Power BI. This delivers so they can easily analyse and report on the deployment of their turbines, solar and battery storage around the world., as well as see the entire financial picture in one view and forecast financial impacts years into the future. As a result, they can invest in their business with confidence that they're making the right decisions.

Case study

Commercial Reporting Solution - A major retail chain that grew dramatically through acquisition and needed to rationalise its supply chain, required a reporting solution to integrate and consolidate data from both legacy supply chain applications and the new to-be supply chain solution for the integrated business.

The metrics from the reporting solution were critical for the business to achieve its strategic goals. Agile Solutions implemented a Power BI dashboard to visualise complex supply chain data, taking data from both old and new applications and blending into a single dashboard with seamless data merging. This was delivered into a Business Development team, sat within the Commercial Department, supporting them to train and embed the dashboard into the business teams.

Data Visualisation with Power BI

Agile Solutions helps clients leverage the full potential of their data with our Power BI consultancy. We offer expert guidance in dashboard design, data modelling and report creation. Unlock actionable insights, streamline decision-making and drive business growth with our tailored solutions powered by Microsoft's leading analytics platform Power BI.

Features

- Customised dashboard design tailored to your unique data requirements.
- Utilisation of Power BI's DAX language for advanced data modelling.
- Interactive reports with Power BI's drill-through and drill-down functionalities.
- Seamless integration with various data sources using Power BI connectors.
- Real-time data updates leveraging Power BI's streaming datasets feature.
- Mobile-friendly dashboards optimised for Power BI Mobile app access.
- Collaboration through Power BI's sharing and commenting functionalities.
- Data security ensured through Power BI's row-level security and encryption.
- Automated report generation and distribution using Power BI's subscriptions.
- Scalable solutions facilitated by Power BI Premium's capacity-based licensing.

Benefits

- Enhanced data visibility for informed decision-making across your organisation.
- Improved operational efficiency through streamlined data analysis and reporting.
- Increased productivity with self-service analytics capabilities for users.
- Deeper insights into business performance and trends for strategic planning.
- Faster time-to-insight with real-time data updates and interactive visualisations.
- Cost savings by centralising reporting and reducing reliance on manual processes.
- Greater collaboration among teams through shared dashboards and reports.
- Enhanced data governance and compliance with built-in security features.
- Improved user adoption with intuitive and user-friendly dashboards.
- Competitive advantage through data-driven decision-making and agile responsiveness.

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Data Monetisation

Agile Solutions helps customers unlock the commercial potential of their data with Data Monetisation consultancy services. We help navigate the complexities of deriving revenue from data assets, providing strategic insights, tools and frameworks to transform data into profitable, actionable opportunities tailored to enhance your business value.

Features

- Data Valuation: Assessment of the financial value of data assets.
- Market Analysis: Identification of revenue opportunities in existing data.
- Data Product Development: Creation of marketable products from data.
- Data Licensing Strategies: Development of frameworks for data sharing and licensing.
- Customer Insight Mining: Extraction of valuable insights from customer data.
- Data Aggregation: Combination of data sets for enhanced value.
- Analytics Implementation: Integration of advanced analytics for data exploitation.
- Compliance Assurance: Assurance of regulatory alignment in data monetisation.
- Revenue Model Innovation: Crafting of innovative data-driven revenue models.
- Partnership Facilitation: Connection with potential data users and buyers.

Benefits

- New Revenue Streams: Generate income and unlock the value of data.
- Increased ROI: Maximise return on data investments.
- Enhanced Product Offerings: Improve products with data insights.
- Customer Retention: Leverage data to better serve and retain customers.
- Market Expansion: Open new markets through data insights.
- Operational Efficiency: Streamline processes using data-driven decisions.
- Strategic Partnerships: Build valuable industry collaborations.
- Brand Differentiation: Set your brand apart with unique data offerings.
- Compliance Confidence: Reduce risk with compliant data use.

Case study

Customer Data Insights Project - We were engaged by a retail client to unlock the value of their extensive customer data. We implemented a data monetisation strategy, identifying key data assets and integrating advanced analytics to uncover consumer patterns and preferences. By developing targeted marketing campaigns and personalised product recommendations, we facilitated a significant increase in sales and customer engagement. Our approach enhanced customer satisfaction and increased revenue.

AI Advisory Service

Given our data heritage, we are uniquely placed to deliver comprehensive AI strategies aligned with your business objectives, industry trends and emerging regulation. We prioritise opportunities and create roadmaps. We pay close attention to the identification and mitigation of risk, such as technical limitations, privacy and ethical impacts and regulatory compliance.

Features

- Alignment with business objectives and future vision
- Data Culture and literacy development
- Capability building aligned to future vision
- Deliver value quickly, focussed by KPI or use case
- Measurement and continuous improvement, judge your maturity against your plans
- Extensible and sustainable data architecture and infrastructure
- Integration and interoperability across departments, teams and workstreams
- Action focussed analytics and insights
- Data governance in accordance with strategy
- Data security and privacy by design

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Case study

Problem Statement

A large utilities company needed to digitise old, out-dated, paper-based job cards to support its digital journey.

Solution

We developed a machine learning model that allowed the forms to be read and that data passed to a third-party AI platform for categorisation and search ability.

Outcome

The solution meant that the organisation was able to provide additional job data to the analysts as part of their democratised data approach.

Case study

Problem Statement

A well-known high street retailer needed to understand product demand to manage a complex, global logistics programme.

Solution

We developed several machine learning models to track actuals against planned and used this data to create predictions.

Outcome

The solution meant that the organisation was able to predict product demand and buying habits across its network of stores.

Roadmapping for AI

Based on our evaluation, we build actionable roadmaps that align improvement efforts with strategic objectives, prioritising obligations and opportunities and allowing informed decision-making regarding investment and resource management. The roadmap facilitates change management and allows organisations to focus efforts on building capability in areas of high impact that offer the greatest potential for value creation.

Features

- Actional roadmap to support strategic objectives
- Focus on areas offering high value creation
- AI governance strategy
- AI governance maturity assessment
- AI Audits and preparation for self-assessment
- AI Literacy
- Continuous evolution and innovation
- Risk management and compliance with emerging legislation
- Ethics and responsibility considerations
- Adoption readiness assessments

Benefits

- Enhanced transparency, compliance and accountability
- Risk mitigation and increased control
- Enhanced and safe innovation
- Expert guidance and insight for certified professionals
- Certified and experienced staff

Case study

Problem Statement

A large utilities company needed to understand how it could benefit from utilising AI in its digital journey.

Solution

We initiated an AI assessment to gauge where they were in terms of AI adoption, identifying risks, strengths and weaknesses and areas for improvement against a benchmarked scale that reflected industry best practices and the organisation's vision.

Outcome

The solution meant that the organisation was able to utilise the roadmap to deliver AI capabilities, closing the gap between where they are and where they need to be whilst mitigating the risks they faced.

Case study

Problem Statement

A well-known high street retailer engaged with Agile to help understand the risks and issues it faced in its AI adoption.

Solution

We used our AI assessment to highlight how the retailer had progressed with its AI plans, we were able to identify where risks needed to be mitigated and capability gaps needed to be addressed in order allow them to progress with their wider AI strategy.

Outcome

The assessment meant that the organisation was able to utilise the roadmap to deliver AI capabilities, closing the gap between where they are and where they need to be.

AI Maturity Assessment

Agile Solutions has invested in both its people and in the creation of maturity assessments and other accelerators that allow organisations to get to grips with AI adoption quickly. Our assessments provide a standardised, systematic and repeatable evaluation of current capabilities, processes and practices within a given area of focus.

Features

- Current state analysis and insight into maturity of adoption
- AI adoption readiness assessment
- AI skills and literacy assessment
- Risk & Compliance Assessment against our strategic AI pillars
- Operational Impact Assessment
- Roadmap and recommendations
- Benchmarking

Benefits

- Risk Mitigation
- Roadmap and recommendations
- Foundations for establishing AI initiatives
- Strategic Alignment
- Benchmarked maturity scores

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AI Governance Strategies

Our approach to AI and AI strategy provides a vital tool for organisations navigating through the complexities of AI adoption. We define a strategy and plan that will ensure your organisation builds the capabilities needed to harness the power of AI realising benefits, promoting innovation, and gaining control.

Features

- AI governance strategy
- AI governance maturity assessment
- AI Audits and preparation for self-assessment
- AI Literacy
- Continuous evolution and innovation
- Risk management and compliance with emerging legislation
- Ethics and responsibility considerations
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Benefits

- Enhanced transparency, compliance and accountability
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Data Science

Agile Solutions helps clients unlock the potential of your data with our Data Science consultancy. From predictive analytics to machine learning, we offer tailored solutions to extract actionable insights and drive business growth. Harness the power of data-driven decision-making with our expertise in advanced statistical techniques and cutting-edge technologies.

Features

- Predictive analytics to forecast trends and future outcomes.
- Machine learning models for data-driven decision-making and automation.
- Advanced statistical techniques to extract actionable insights from complex data.
- Customised algorithms tailored to address specific business challenges and goals.
- Data mining to uncover hidden patterns, correlations and relationships.
- Natural language processing for text analysis and sentiment detection.
- Image recognition and computer vision for visual data interpretation.
- Time-series analysis for understanding data trends over time.
- A | B testing and experimentation to optimize business strategies and processes.
- Model deployment and monitoring for ongoing performance evaluation and refinement.

Benefits

- Improved decision-making with accurate predictions and insights.
- Increased efficiency through automation of repetitive tasks and processes.
- Enhanced customer experiences with personalised recommendations and targeting.
- Cost savings by identifying inefficiencies and optimising resource allocation.
- Competitive advantage through data-driven strategies and innovations.
- Reduced risks through proactive identification and mitigation of potential issues.
- Scalability to handle large volumes of data and growing business demands.
- Faster time-to-market with rapid prototyping and experimentation.
- Greater regulatory compliance through enhanced data governance and transparency.
- Business growth and profitability through actionable insights and strategic recommendations.

Case study

Utilities Distribution Model Upgrade – We supported a utilities client with an existing neural network model trained on historical data which forecasted readings across the network. They had encountered challenges with scaling and run time/compute cost as well as transparency of the neural network method. We supported the client by designing parallel models based on regression methods giving weight to transparency in being mathematically describable and based on external factors such as weather, rather than historical date time. We introduced model monitoring and ML-Ops best practice, and this has resulted in an efficient transparent model which is being leveraged by the client for faster more accurate predictions.

Case study

Decommission Identification Model – We supported a client with a regulatory requirement to identify and address suitability for replacement of legacy infrastructure in remote locations. We supported the client to source, clean and pre-process the right data ready for use and applied methods such as classification, clustering and anomaly detection to identify key targets for decommissioning. The result is that the regulatory target was surpassed earlier than expected and the client can target decommissioning efforts to make a difference to customers experience.

Digital Twin

A digital twin is a digital representation of a physical object, person, or process, contextualized in a digital version of its environment. Digital twins can help an organization simulate real situations and their outcomes, ultimately allowing it to make better decisions.

Features

- Digital representation of physical assets
- Connectivity.
- Homogenization.
- Reprogrammable and smart.
- Digital trace making.
- Modularity

Benefits

- Enhance supply chain agility and resilience.
- Reduce product time to market.
- Enable new business models (i.e., product as a service)
- Increase customer satisfaction.
- Improve product quality.
- Drive operational efficiency.
- Improve productivity.
- Inform sustainability efforts.

Case study

Situation – Digital Twin transformation of infrastructure assets at a highly regulated infrastructure owner operator organisation, managing 1000s of assets.

Solution: Agile Solutions are leading the deployment of the Digital Twin transformation. Our teams are managing the change by developing the target operating model, new automated business processes, new use cases and ways of working to support the top-down design for the new data platform.

Outcome: The solution exploits real-time data, providing enhanced modelling capabilities, ensuring the client can meet their environmental commitments and adapt to future challenges.

Machine Learning

Agile Solutions helps customers elevate business outcomes with our Machine Learning consultancy services. We expertly guide you through deploying AI-driven solutions, ensuring your data transforms into actionable insights. Our approach is tailored to harness the full potential of advanced analytics gearing your operations towards intelligent automation and predictive accuracy.

Features

- AI Strategy Development: Tailored AI roadmap built for business needs.
- Data Preparation: Cleansing and organising data for optimal ML use.
- Model Building: Design and training of custom machine learning models.
- Algorithm Selection: Selection of optimum algorithms for specific tasks.
- Performance Tuning: Optimised models for maximum accuracy and efficiency.
- Integration Services: ML models embedded into existing business systems.
- Real-Time Analytics: Implementation of models that provide valuable insights.
- Scalability Planning: Ensuring solutions grow with your business needs.
- Compliance Adherence: Aligning ML practices with industry regulations.
- Ongoing Support: Offers continuous monitoring and model improvement.

Benefits

- Enhanced Accuracy: Achievement of higher precision in operational predictions.
- Increased Efficiency: Automation of routine tasks saving time and costs.
- Data-Driven Decisions: Empowerment to make informed evidence-based decisions.
- Competitive Edge: Utilisation of advanced analytics to outpace competitors.
- Cost Reduction: Lowering of operational expenses through automation.
- Scalable Solutions: Adaptation easily to changing business scales.
- Improved Customer Experiences: Delivery of personalised services and products.
- Risk Mitigation: Identification and addressing of potential risks early.
- Innovative Capabilities: Fostering a culture of continuous innovation.
- ROI Improvement: Enhancement of return on investment with smarter operations.

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