

Software & Data Engineering Services



G Cloud 14 Service Definition Document



Software & Data Engineering Services

dvt | smart people
smart solutions

DVT is a leading cloud solutions provider, focused on digital transformation technology for clients globally.

DVT's Software & Data Engineering Services will deliver solutions in agreed timescales – driven by 25 years of experience and knowledge. We will guide you through all stages of development to deliver a bespoke GDS compliant solution. DVT enables you to deliver a digital service that accounts for stakeholders, policy, user and organisational needs.

DVT Services

- Cloud hosting, application modernisation services and DevOps consulting
- Business and systems analysis
- Project delivery using Agile or traditional project management methodologies
- Data & analytics, data engineering, machine learning & AI
- Software development for mobile, web and traditional platforms
- Software quality assurance, automated regression testing, performance testing
- UX/UI design
- Agile training and consulting

DVT Benefits

Global Scale. Local Engagement.

With more than 25 years of success in Cloud Solutions, Software Development, and Data & Automation. DVT has the expertise, experience and scale to service your requirements.

- Cultural and language alignment
- Proven knowledge & experience
- Complete flexibility of resource
- Cost-effectiveness
- Up-skilling through our DVT academy
- ISO/IEC 27001:2013 Certification
- Cyber Essentials Certification

DVT Partners



A background image showing three people (two men and one woman) sitting around a table in a modern office setting, engaged in a discussion. A laptop and two mugs are on the table. A large, dome-shaped pendant light hangs above them. The image has a blue tint.

About

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Software & Technology. Delivered.

DVT is a wholly owned subsidiary of Dynamic Technologies, a software and technology group with 1200+ staff across Africa, Europe and the United States. Together, our group companies provide best-of-breed, inter-related solutions, operating individually or in tandem, to enhance your digital journey.

Dynamic Visual Technologies Limited (DVT) is a UK company helping clients to deliver - empowering organisations to deliver better, more efficient digital services and products.

DVT UK has helped clients to deliver value across all areas of Software and Data Engineering. They include;

- Yorkshire Water
- People's Postcode Lottery
- GB Railfreight
- Utilita
- RNIB
- Barnardo's



25

Years of software solutions experience



100's

Satisfied clients



600+

IT Professionals across product, technology, UX, delivery & data



200+

Engineers across Microsoft, Java & Open Source



10

Global offices



IP

Retained by you for the products and services we build



Value

Favourable rates and flexibility are built into our model



Agile teams

Co-located, or remote, work alongside your in-house experts



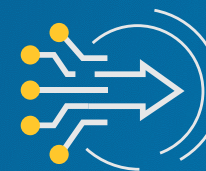
Training

Class-room and Remote Online



Consulting

Coaching and consulting alongside our development services



Experience

Across wide-ranging sectors and highly regulated environments



Multi-cloud

Expertise with AWS and Azure certification



Our Services

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DVT provides scalable onshore, near-shore and off-shore solutions to software skills and development project requirements.

Academy Service | Cloud Support

Our training courses are internationally certified and our trainers are practitioners and coaches. When you attend our training you will not only learn the theory of implementing Agile, but also learn from highly experienced individuals on how to use Agile in practice.

- Bespoke training courses & development
- Cultural & agile best practices
- Determine academy objectives together
- Intensive training program for participants
- Blend of classroom training & project experience
- Flexible support for onsite & offsite testing
- Agile principles training (DevOps/Scrum/Kanban/ITSM ITIL)
- T&M/Fixed-Price/Outcome-Based Pricing/Engagements
- End-to-end software delivery lifecycle DevOps automation
- Colocated/Fully remote/Blended service delivery options



Agile Coaching | Cloud Support

DVT's Agile Consultants offer expert coaching services to help businesses and IT teams implement Agile practices like Scrum, Kanban, and SAFe. They provide on-site or remote coaching, facilitation, training, and mentoring services to support Agile ways of working across the organization.

- Foster agile mindset for teams
- Coach on industry methodologies (SCRUM, etc.)
- Provide 1-2-1 coaching and mentoring
- Ensure GDS compliance in coaching programs
- Implement suitable agile methods and practices
- Accelerate mobilization of new agile teams
- Build culture that supports agile ways of working
- Address barriers to adopting agile
- Apply deep agile and lean knowledge
- Support delivery and implementation of cloud services

Scaled Agile Certification, Scaled Agile Training and SAFe Framework Training, Agile Coaching | Cloud Support

DVT uses the Scaled Agile Framework (SAFe) to implement digital programs while adhering to Agile methodologies. SAFe prioritizes products, customers, innovation, and growth. DVT offers SAFe Scrum Master, Product Owner, and Release Train Engineer Training and Certification at various levels.

- Develop implementation roadmap
- Identify training requirements
- Work through challenges and constraints
- SAFe Core Team Training
- SAFe Scrum Master Training
- Leading SAFe Training
- SAFe DevOps Practitioner Training
- Scaled Agile Certification Implementing SAFe Program Consultant Training
- Agile Target-operating model definition
- Support for Product Managers and Owners

Rationalisation Service (Cloud, Application, Digital) | Cloud Support

DVT simplifies your digital, applications, and cloud portfolios by removing redundant applications and optimizing your offerings in line with your business strategy. Our experienced consultants can help you manage your portfolios, assess maturity, and establish appropriate frameworks for portfolio definition and delivery.

- Plan roadmap for existing applications estate.
- Identify redundant apps without value.
- Experience in public service tech and apps.
- Worked for public sector bodies.
- Clearer view of applications estate.
- Expertise in rationalising digital portfolios.
- Manage change portfolio in cloud-based environment.
- Design, implement and manage Portfolio Office.
- Align with strategic objectives for maximum benefits.
- Promote benefits of change and energise change culture.

Business Intelligence | Cloud Software

DVT offers Business Intelligence and Data Analytics services using popular BI tools like Microsoft BI, Oracle, QlikView, and QlikSense. They also provide expert consultancy services for Digital workplace implementation using SharePoint online/Office 365, including Reporting/BI integrations and migration of legacy on-premise BI/Reporting platforms to Power BI.

- BI consultants trained in design and strategy.
- High-level BI consultants for thought leadership.
- Innovative BI solutions design and implementation.
- Supply of individual consultants or full BI teams.
- Full knowledge transfer and BI training.
- Gain rapid insight from your data.
- Effective advanced data analytics and visualizations.
- Define objectives, requirements, drivers, and vision.
- Ensure buy-in of team, clients, and suppliers.
- BI for compelling business cases, Microsoft, Oracle, Microstrategy, QlikView, QlikSense.

Business Process, Robotic Process & Intelligent Automation | Cloud Support & Software

DVT provides a comprehensive Robotic Process & Intelligent Automation service that assesses business processes for automation suitability, builds a business case for automation investment, and deploys robots from the Cloud with UiPath process automation. We streamline processes, automate tedious tasks, and free employees to focus on higher-value work.

- Develop strategy for Robotic & Intelligent Automation.
- Identify suitable processes for automation.
- Analyze market & select cloud software vendor.
- Analyze pilot process performance.
- Deploy & configure software on cloud.
- Develop business case for automation.
- Build organizational capability through training & communication materials.
- Redesign, simulate & optimize business processes.
- Align business, data & technology teams.
- Change management for digital transformation.

Change Management | Cloud Support

DVT's Change Management team offers end-to-end support to align sustainable business, service and technical changes with your business needs. We provide practical skills, tools, and knowledge transfer to maximize change benefits. Our people-focused approach helps build sustainable change capabilities that deliver ROI.

- Manage change at different levels with strategies and programs.
- Innovative approaches ensure smooth transition (e.g. Prosci ADKAR, Agile Change).
- Communication plans and stakeholder engagement are crucial for success.
- Benefit identification, planning, review, measurement, and realization are essential.
- BluePrint design with "As is" and "To be" mapping.
- Tailorable templates and processes are available for accelerated delivery.
- Employ transition managers, business process/change analysts, and consultants.
- Reduce resistance, maximize benefits, and bring people on board.
- Develop sustainable change capabilities through knowledge and skills transfer.
- Identify and develop change roles and necessary skills.

Data Analytics | Cloud Software

DVT offers end-to-end cloud-based analytics software services for structured and unstructured data. We provide Azure Data & Analytics Solutions As Services, Business Intelligence, and Reporting services using Tableau, Oracle BI, and Microsoft Power BI. Our team of experts provides data architecture, science, engineering, and analytics services.

- Combine data from various sources
- Upload data from social and mobile platforms
- Predictive analysis, dashboards, reporting and visualization
- End-to-end analytics for big data
- Data preparation, quality control, discovery, forecasts, predictions
- Business intelligence and interactive data visualization tooling
- Geospatial and location intelligence services available
- Supports NoSQL and non-relational data management
- Real-time, advanced, and embedded analytics supported
- Supports cloud and hybrid platforms, expertise in Azure services

Databricks Specialist Services | Cloud Software

Databricks is a cloud-based Unified Data Analytics Platform that uses open source technologies. It combines the latest innovations of the open source community with enterprise-grade functionality. Our services cover the entire delivery lifecycle, including architecture, design, implementation, deployment and support of your Databricks solution.

- Identify platform requirements for data and analytics
- Architect and design Databricks solution
- Implement data pipelines to populate Databricks
- Train users and assist with Databricks adoption
- Provide support packages for Databricks
- Implement ML models and data science in Databricks
- Integrate AI with Power BI in Databricks
- Unify data gathering and model creation in Databricks
- Provision Databricks workspace and cluster
- Use Databricks to train ML models

DevOps Consultancy | Cloud Support

DVT helps move legacy applications to Microservices via DevOps and CI/CD practices while ensuring security. Our DevOps services speed up time-to-value, reduce failure rates, optimize deployment frequency, and offer Managed, Extended, or Advisory DevOps approaches to meet your needs.

- DevOps services for resilient, scalable cloud infrastructure.
- IaC, Databases, Streaming, Messaging, Application Builds, Image Builds.
- Tool-neutral recommendations and implementation of DevOps tools.
- Disaster Recovery and High Availability environments set up.
- Automation across DevOps tools and software development lifecycle.
- DevOps infrastructure set up as an AWS Select Partner.
- Agile and SAFe methodologies support and DevOps culture adoption.
- Release pipelines creation for faster and safer deployments.
- DevOps knowledge transfer and best practices adoption.
- DevOps capability building and production readiness assurance.

Full Stack Software Development | Cloud Software

DVT specializes in software development on Azure using .Net core. Our Agile approach combines UX design, software development, and fast delivery. We have expertise in JavaScript, HTML, CSS, Python, Java, C#, Scala, C++, C, PHP, and Ruby. Our consultants use advanced programming languages and agile techniques to develop software solutions.

- Cloud-based software development using IaaS/PaaS platforms.
- Open source solutions and test-driven development (TDD) incorporation.
- User-driven design and testing approach for business and user needs.
- Adherence to Government Design Principles for software development.
- Providing responsive websites, native apps, cross-platform, and progressive web apps.
- Agile methodologies for skill gap analysis and enterprise software development.
- Flexible resource mobilization and full development life-cycle capabilities. Fully automated software build, test, and deploy for continuous delivery.
- Automated testing for code quality, security, performance, and user experience.
- High-quality software delivery measured against ISO standards.

Machine Learning and Artificial Intelligence | Cloud Software

DVT offers AI and ML services that are reliable and secure, increasing human trust by providing transparency and eliminating bias. We help policy makers and operational teams solve their challenges by deploying powerful and reliable machine learning models that inform real decisions. Our cloud-based services support Azure, AWS, and Google.

- ML tools for policy makers and operations.
- Expertise in supervised/unsupervised learning, NLP.
- Linking and interrogation of multiple datasets with ML.
- Real-world ML for prediction, classification, and clustering.
- Intelligent insights from multimedia data, NLP, and vision.
- RPA and Chatbots implementation services available.
- AutoML expertise for quick ML model deployment.
- Custom AI models with MXNet, TensorFlow, PyTorch, etc.
- NLP processors and translation services available.
- ML-driven custom visualization with Plotly Dash, PowerBI, etc.

Microsoft Azure Cloud Services | Cloud Support

DVT's Cloud engineers possess cross-platform expertise and provide comprehensive assessment of your infrastructure. They are accredited in Microsoft Azure and AWS and offer tailored services including design, migration, configuration, implementation, and management of associated services. DVT follows strong security practices and is a Microsoft Solutions partner.

- Review infrastructure and app architecture
- Document key expectations for Cloud infrastructure
- Define Cloud architecture model and roadmap
- Replace functionality with Cloud native services
- Identify Cloud migration opportunities and risks
- Shape Cloud migration team with DVT and client personnel
- Perform skills gap analysis in engineering and business
- Fully managed and supported migration and implementation
- Ensure safety and security during data migration
- Continuously monitor and optimize Cloud infrastructure.

Microsoft Power Platform Development & Consultancy | Cloud Software

DVT is a Microsoft Power Platform partner offering expertise to automate business processes. We provide Power BI Reports/Power Apps with systems like SharePoint, as well as a comprehensive Power Platform implementation service with expert support for development and training in Power Automate, Power Apps, Power Virtual Agents, and Power BI.

- Immersive platform modernizations through Power Platform.
- Proficient in C#, PnP PowerShell, and more.
- Microsoft Gold Partner with software solutions.
- Multilingual software design with integration capabilities.
- Expert consultants in PowerApps adoption, governance, and design/development.
- Envisioning, transformation planning, health check, and improvement services.
- Specialists in Power Platform, Apps, Virtual Agents, and BI. Service design, implementation, and support with enhanced SLAs.
- Expert consultants for PowerApps adoption, governance, and design/development.
- Customized task and role-based solutions with easy-to-use applications.

Mobile App and Web App Development | Cloud Software

DVT specializes in mobile app development for Android and iOS using Native and Hybrid languages. Our Secure SDLC process covers planning, design, build, release, maintenance, updates and retirement. We turn requirements into user-centric apps designed to instigate behavior and measurable change, working with technical developers, product and creative designers.

- Expertise in mobile app development and techniques.
- Skilled in UX/UI design and development.
- Experienced in microservices and platform integration.
- Proficient in configuration automation and CI/CD.
- Familiar with popular PaaS platforms.
- Knowledgeable in mobile app development languages.
- Capable of back-end integration with APIs.
- Experienced in various databases.
- Focused on end-user experience and usability.
- Proficient in app prototyping, user feedback, and testing.

Open Source Java | Cloud Support & Software

DVT specializes in open source software support, offering level 3 support for business-critical applications and helping organizations adopt cloud-native practices. They use open source technologies to design, develop, and support software digital and cloud applications, with expertise in SOA, microservices, and cloud technologies like Docker, Kubernetes, SQL, and NoSQL databases.

- Open-source dev services: req gathering, software reviews, tech guidance.
- Agile approach: SCRUM, Kanban, Scaled Agile Framework, iterative process.
- End-to-end delivery: high-performing cloud-based, digital applications.
- Secure, reliable solutions: built on open-source technology.
- Application security, custom Java, DevOps dev services, app advisory.
- Access to technical experts in various technologies.
- Specialty in Oracle and open-source products, leading SOA expert.
- Team committed to providing high-level customer service and support.
- Streamline operations, improve bottom line with DVT solutions.
- Reliable, trustworthy partner for open-source tech-powered business goals.

Discovery, Alpha and Beta Service | Cloud Support

DVT provides Discovery, Alpha, and Beta services that follow Service Design Manual and DDaT guidelines. Their approach delivers fast, intuitive experiences that delight users on all platforms. Their Discovery service helps understand user needs, test assumptions, and develop value propositions, enabling maximum value delivery, and ensuring compliance with GDS standards.

- DVT offers Discovery, Alpha, and Beta services.
- We follow Service Design Manual and DDaT guidelines.
- Our approach delivers fast, intuitive experiences.
- Delight users across all platforms and channels.
- Our Discovery service helps organizations understand user needs.
- It tests assumptions and develops value propositions.
- Discovery is the foundation of successful service transformation.
- It enables maximum value delivery.
- We provide resources for all service stages.
- Ensuring compliance with GDS standards.

Software Testing | Cloud Support

DVT offers a full range of software testing services throughout the software development lifecycle. Their teams consist of ISTQB certified testers with business analysis skills, enabling them to understand complex logic and deliver high-quality software systems for large-scale projects.

- Independent Verification and Validation
- Unit, Integration, System Testing
- Factory, Site Acceptance Testing
- Performance Testing
- Automation-first approach
- API and UI Automation
- Manual Exploratory Testing
- Regular Automated Regression Tests
- Non-functional Test (Security, Accessibility, Performance)
- Continuous Deployment (DevOps)

User Interface/User Experience (UI/UX) | Cloud Support

DVT offers UX/UI design services for cloud services, following CDDO/GDS standards and WCAG guidelines. Our services include user research, prototyping, interaction design, and testing. We create inclusive and intuitive products by implementing design practices for accessibility.

- User-focused design process with evidence-based approach
- Qualitative and quantitative UX methodologies and tools used
- Support from content and service design teams
- Adherence to CDDO and GDS service standards
- Design of assisted digital and non-digital user journeys
- Accessible UI and interaction design following WCAG guidelines
- Prototypes and wireframes designed, developed, and iterated
- Use of design patterns/systems and reusable components
- User research and testing done collaboratively
- Designs created for range of devices – desktop, mobile, tablet

User Experience Design / UX Design | Cloud Support

Our team of UX specialists and designers use design thinking to create intuitive and engaging user experiences for web and mobile applications. We prioritize user needs and leverage the right tools and technologies to ensure high performance, and provide ongoing support and maintenance.

- Intuitive user journeys for optimum experience.
- UX-focused wireframes for effective design.
- Design concepts aligned with user needs.
- Cloud-based research and testing tools.
- UX-focused digital brand extension.
- Requirement gathering for user experience.
- Options assessment with user experience in mind.
- Customer experience mapping for UX.
- Native iOS and Android app development.
- Multi-platform hybrid apps with React Native and Ionic.

Expert User Experience (UX) review | Cloud Support

DVT offers User Centred Design services to improve services based on best practices in UX. Expert reviews identify usability issues and can be used during product discovery. They are a cost-effective way to evaluate cloud-based digital services.

- UX recommendations based on best practices
- Expert evaluations for early design process
- Ideal for re-design at project start
- Report with actionable recommendations
- Performance review against competitors
- Accessibility and UX review across all platforms
- User research for deep understanding
- Tech agnostic, recommends best-suited tech
- Low/high fidelity prototypes and user-testing
- Comprehensive report with issues and recommendations



How we work

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Our Agile Technology Teams offer you remote or on-site teams or skilled IT consultants as a solution.

Software development teams. Remote, hybrid, or on-site.

Use DVT's Agile Technology Teams to rapidly scale up your development capacity and deliver against your requirements. Our services provide you with individuals or the team you need to address your backlog of requirements or undertake new functionality/product development.

No recruitment needed.

Tap into our extensive development service capacity to form the team you need for the duration you require.

DVT is able to provide both remote or on-site personnel and team services to our clients globally. We do recommend a remote-first approach as our experience has shown productivity and team-cohesion in remote delivery is not only possible but highly effective. Hybrid models (both remote and on-site) are similarly successful and allow for team co-location at key times, such as innovation sessions, team builds, and planning. Fully on-site team services are available as needed.



Dedicated Teams

DVT's dedicated software development teams provide our clients with a highly skilled and experienced team that works closely with you to ensure the delivery of product features at a high velocity on a continuous basis. They are also referred to as product development teams.

Turn-key Project Teams

Our turn-key project teams work with clients to define a technical solution to their business problems. They often start with a technical analysis that establishes a solution architecture, high-level requirements definition, and MVP (Minimum Viable Product) roadmap.

Client Co-sourced

Our co-sourced teams are formed with DVT and client professionals who work together to develop software solutions. These co-sourced teams are much like our dedicated teams but are inclusive of client staff on the team in order to facilitate knowledge. Co-sourced teams can work remotely or onsite.

Consulting Services

Providing full or partial system and data audits, software and data architecture assessments, and software and data solution technology consulting.

Contact

For all questions and queries related to our pricing and services, please contact:

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