

Service Definition Data Architecture and Strategy

Digital Marketplace: GCloud15
Version: 1.0 Epimorphics Ltd
Date: 1st December 2025
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Data Architecture and Strategy - Overview

Summary

Epimorphics provides a data architecture and strategy development support service – to support data and information architecture strategy, design and delivery using cloud / hybrid cloud approaches. Complements our data platform services. Data discovery and analysis. Structured and unstructured data. Conceptual, logical and physical modelling of data systems. Data visualisation. Data transformation approach design and delivery using the latest data technologies.



Features

- Create, develop or refresh data strategy, using cloud technologies
- Develop data transformation vision, charter, visualisation, roadmap and plans
- Data discovery and visualisation, user experience and design
- Information and data architecture strategy development and review
- Data, ontology, vocabulary, reference data and standard design and modelling
- Data management, maturity and data capabilities assessment
- Data flow and data pipeline analysis
- Data architecture and technology appraisal
- Data discovery and analysis alongside integration with AI and science
- Data architecture, governance and compliance, data engineering and integration

Benefits

- Collaborative approach, working with users and stakeholders
- Maximise your enterprise data architecture
- Align with Government ICT, departmental and organisational strategy
- Proven repeatable cloud architecture patterns/solutions experience
- Experience in rapid design/deployment of private/public/community/hybrid cloud
- Develop strategies aligned with the vision, and organisational context
- Focus on increased return on investment and reducing IT risk/overspend
- Ensure your data complies with the FAIR principles
- Independent assessment of progress/risks/issues and improved control
- Develop strategies for integrating data with AI, data-science, or operational-systems

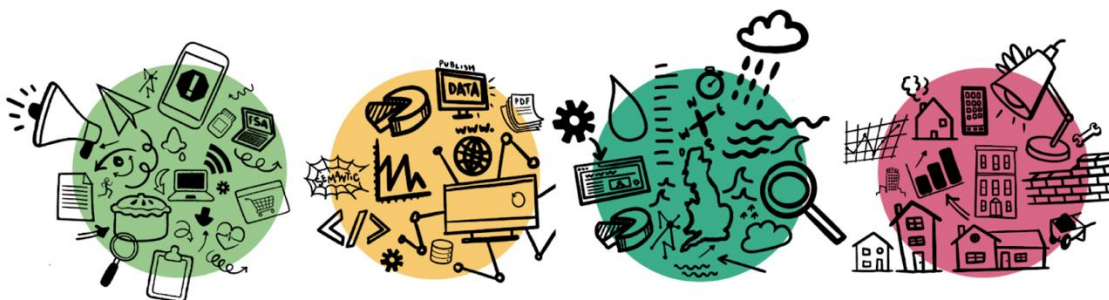
<I wish more of our suppliers were like you guys/>

Digital Lead, at a public sector client

About us

At **Epimorphics** we deliver impactful data solutions to organisations that care about their data. We help you make the most of your data by:

- helping you understand what you have and how to measure, improve and maintain the health, strength and effectiveness of your data ecosystem
- creating applications and data visualisations designed to deliver information into the hands of those who need it
- providing new clarity of your existing data, helping you make better business decisions
- designing approaches and tools that support a rich data ecosystem, so that you can take advantage of emerging technologies and support new priorities
- bringing together skills, capabilities, knowledge and a wealth of experience to make a bigger impact for our clients and your users



What we do

We are proud of our work and the great feedback it receives. We build data technology solutions, we build and support data services and we help organisations understand and make the most of their data.

Our work has included a wide variety of projects across the public and private sector. We help organisations connect data, making more effective use of your information through open, standards-based linked data tools and techniques.

Our work includes:

- Over 100 projects for over 30 customers
- 10s of 1000s of people using our systems every day
- 100s of live data collections maintained with updates from hourly to monthly



To find out more about us, our work and our approach see: www.epimorphics.com.

Our website's project section describes many of the services we have built and run alongside other project work:

www.epimorphics.com/projects.

We also publish a range of technical and project focused articles and blog posts at:

www.epimorphics.com/blog

<Working with Epimorphics is easy. You are adaptable, personable and professional. You deliver a very high quality service that offers good value for money. You don't make it hard to be a customer/>

Service Owner, at one of our public sector clients

Our Story

Epimorphics Ltd is a 100% employee owned company that was formed in 2009. We're an alumnus of the business incubator and enterprise partnership [SetSquared](#). We've grown from that small base as a tech start-up to an exciting, innovative tech scale-up company close to Bristol in south west England.

<with Epimorphics we get trusted advice helping us to develop and deliver our strategy. They have been working closely with us as a valued partner, helping us to deliver our data driven organisation vision. As a result, our data is more accessible, usable, and enables us to better deliver our priorities/>

Director, at one of our public sector clients

We love working with data and creating technology which makes a difference – whether in small or ground breaking ways.

We are a team of passionate people who love solving interesting challenges. Our team includes accomplished computer scientists and data experts who helped define the standards in the [Semantic Web](#) and [Linked Data](#), and co-developed [Apache Jena](#).

We've built ground-breaking linked-data services for the public sector here in the UK and elsewhere. Many of our public sector and Open Data [projects](#) have a direct positive benefit for society.

We've grown from that small base as a tech-startup to an exciting, innovative tech scale-up company.

For more on our history see:
www.epimorphics.com/about

<All the time the team are striving to add value for their clients, and I greatly respect and admire that mindset/>

Product Manager,
at a public sector client

Our Values

We aim to be a sustainable, thriving company that successfully balances the needs of our clients, our team, our shareholders and the wider community. It is important to all of us that we all have a place to work where we enjoy what we do and feel valued and respected. This ethos underpins everything that we do.

For example we:

- work with integrity and honesty
- have a commitment to our customers
- take ownership for our work
- look for adaptability and continuous improvement in what we do
- innovate in our work
- look to build diversity into the company as we grow
- treat people as we'd like to be treated ourselves

Mission Statement

At Epimorphics, we help organisations make the most of their data with trusted, well designed, accessible data and technology. We are an organisation that is socially and environmentally responsible, that embraces creativity and diversity and is financially rewarding for our employees and shareholders.

Vision Statement

We believe passionately in the power of data to help organisations make a positive difference to the world. Everything that we do is focused on helping organisations make the most of their data through the better use of design and technology.

Social Value

Social responsibility is at the core of our culture, practices and processes at Epimorphics.

Our Sustainability Policy includes our Carbon Zero commitments and our broader commitments to our staff, our community, the environment and our supply chain. We are on a path to have reduced our Scope 1 and 2 emissions to zero by the Autumn of 2024, to have our emissions data audited annually by Carbon Footprint Ltd and to publish our Carbon reduction plan on our website.

We are proud to be a signatory of the [Tech Talent Charter](#). Being a signatory means that as an organisation we have made a commitment to work together to increase the inclusion and diversity of the tech workforce in the UK in a measurable way. We will be building plans and learning and sharing best practice with other like minded organisations.

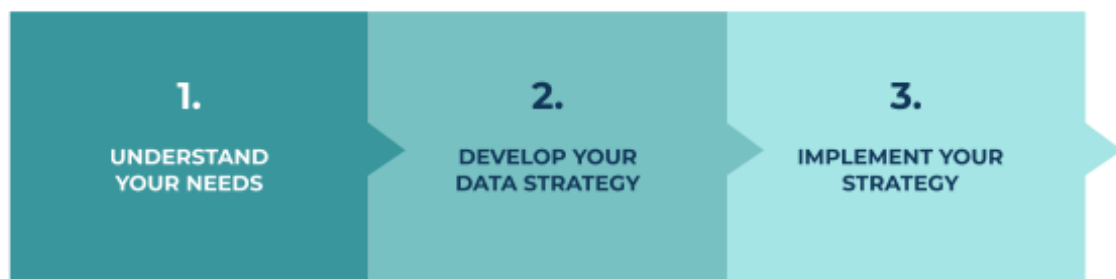
We are a Prompt Payment Code signatory. We believe in prompt payment of suppliers and high standards of payment practice between organisations.

How we work

Epimorphic are a flexible delivery partner. Our team works with you to deliver cloud support projects that meet your business objectives. We tailor our approach to meet your specific needs. Right from the start of onboarding our team is focused on achieving a clear project scope, understanding the desired outcomes, governance, responsibilities, required resources and wider needs.

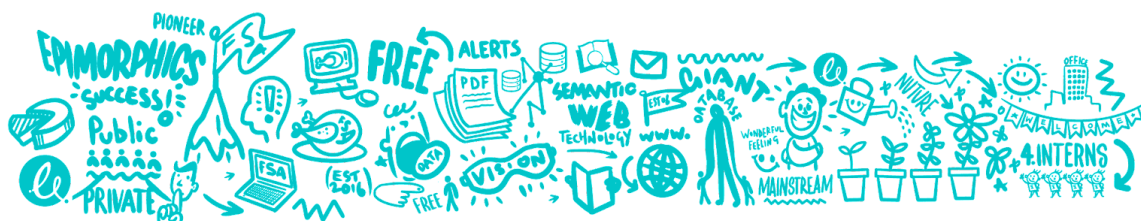
For our Cloud Software solutions we work with you to get the right set of components and a service that meets your needs, so that you are not paying for components that you don't need and have a solution that is right for your needs.

For initial strategy and architectural principles activities we help you understand needs, develop strategies and then implement them.



We work with you on projects from beginning to end, to develop effective strategies that make sense and use of your data. With our expertise in user-experience design, data design, manipulation and management, alongside a depth of experience in software development you can be assured of a good digital service design and strategies and approaches that make best use of your data.

We are committed to support the up-skilling of the organisations we work with, we do this through knowledge sharing within projects, open working practices and our ethical approach in how we work. We also offer and deploy training in key areas to support leaders and technical experts build the skills they need to make the most of data.



Service Description

We work with you to help solve your data challenges. This support service is designed for organisations using our companion GCloud Cloud Software Service the **Epimorphics Data Platform, Other Linked Data, Semantic Web and Graph data solutions**, or in the early stages of developing their data architecture plans and strategies.

We also support organisations developing or enhancing their data strategies who require help:

- modelling and designing their data so that it can be published as linked data
- creating and deploying applications on top of their published data
- tackling complex data integration challenges or supporting data infrastructure for government
- taking advantage of the aggregation of data from disparate sources to gain actionable insights and provide vital context
- upgrading and enhancing data management, data publishing and data integration services

Through our data architecture and strategy development support service we provide organisations with dedicated help in planning, design and delivery using cloud / hybrid cloud approaches. Data discovery and analysis. Structured and unstructured data. Conceptual, logical & physical modelling of data systems. Data visualisation. Data transformation approach design and delivery using the latest data technologies.

We can help you:

- scope out a project; identify suitable datasets for publication and produce a complete project plan
- model your data, selecting existing ontologies to use whenever appropriate and developing new ontologies if needed
- design suitable URIsets, and data cubes complying with international and UK Government best practice
- identify reference data that can provide a point of connection between multiple datasets
- design your data to meet user needs
- understand how to improve your organisational data maturity
- design approaches to implement FAIR data principles
- identify reference data that can provide a point of connection between multiple datasets
- transform your data into linked data using these models and URIsets
- create, develop or refresh data strategy, leveraging cloud technologies
- develop data transformation vision, charter, visualisation, roadmap and plans
- conduct data discovery and visualisation, user experience and design
- understand what key data ecosystem components are appropriate for your immediate and longer terms needs
- develop and review information and data architecture

- conduct data, ontology, vocabulary, reference data and standard design and modelling
- assess data management, maturity and data capabilities
- analyse data flow and data pipelines
- appraise your data architecture and technology
- conduct data discovery and analysis
- review your data architecture, governance and compliance, data engineering and integration
- develop approaches for connecting your data to AI and data science tools
- understand how to catalogue and manage your data in a way that supports modern governance practices
- understand how to manage codelists,, vocabularies, concepts and other key reference data in a way that maximises organisational reuse while maintaining data architecture governance

Please see **our rate card** for our day rates.

Our Other Services

For GCloud14 Epimorphics offers our Cloud Software service: **Data Platform** and a range of Cloud Support services: **Linked Data Training**, **Data Publishing** (setup, migration and ongoing support), and **Data Architecture and Strategy** (cloud migration). These can be found on the Digital Marketplace or from our website:

www.epimorphics.com/procurement

How to get in touch

If you have any questions then we'd love to talk. Please contact us via:

E mail: gcloud@epimorphics.com

Phone: 01275 399069

Website: www.epimorphics.com/about

Epimorphics Ltd is headquartered in Bristol, in south west England. We operate with flexible home working, as part of our approach to limiting employee commuter and business travel.

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