

Service Definition Linked Data Training[®]

Digital Marketplace: GCloud15
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Linked Data Training - Service Overview

Summary

Epimorphics offers training courses to support critical data decision makers right through to experts implementing detailed data projects. Our courses suit organisations developing or enhancing data strategies, architecture, building on data standards or growing expertise ready for the use of AI.



Features

- Digital Transformation for Leaders
- Data Governance for Leaders
- Data Permissions and Licencing Workshop
- Data Architecture Mentoring
- Querying Linked Data Using SPARQL
- Data Modelling Workshop
- Introduction to and Using the Reference Data Management (Registry)
- Introduction to common vocabularies and data standards
- Introduction to Publishing Linked Data
- Introduction to Linked Data

Benefits

- understand data licencing, data sharing principles and FAIR data
- understand how to apply digital and data transformation terminology
- understand how to frame data transformation
- understand data governance in your organisation
- understand how to design and make your data accessible
- understand how to design and make your data interoperable
- understand how to design and make your data reusable
- use linked-data in your organisation to create a knowledge graph
- data and data architecture mentoring from our data experts
- understand role of leadership and technical expertise in data governance

<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.

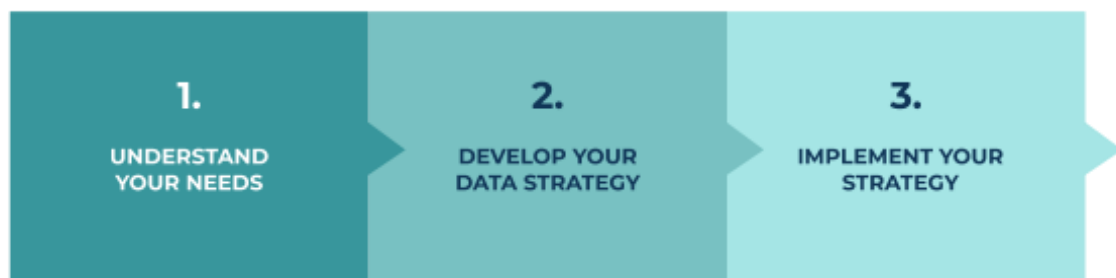
We are a Prompt Payment Code signatory. We believe in prompt payment of suppliers and high standards of payment practice between organisations.

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

Epimorphics offers a range of training courses to support those people in your organisation who are critical to data decision making right through to those implementing detailed data projects, as technical experts.

The courses suit organisations developing or enhancing their data strategies, data architecture, knowledge graphs, building on data standards and growing expertise and your data ready for the use of AI.

Our Training Courses

Core Linked Data Courses

Introduction to Publishing Linked Data

Course overview:	A two-day technical training course. For teams needing a detailed technical introduction we offer this two-day course: Introduction to Publishing Linked Data. This covers similar material to our other popular course - Introduction to Linked Data, but goes into more depth and practical examples. The two-day course is targeted on data specialists and developers, the one-day version is more suitable for managers, consultants and evangelists.
Topics covered:	- Motivations for publication and use of linked data: understanding the background, benefits and underlying motivations behind the use and publication of linked data - Introduction to the linked data model and its features: including the RDF data model and its features, standard notation, structure and roles of URIs (Uniform Resource Identifier), authoring and validation, linking and merging - Modelling for linked data: basic modelling with RDFS (RDF Vocabulary Description Language), overview of advanced modelling using OWL (Web Ontology Language), vocabularies, reference data and other types of Linked Data - Querying and using linked data: overview of SPARQL (SPARQL Protocol and RDF Query Language) and making use of Linked Data - Publishing linked data: systems components, workflows, tools and technologies - Summary / Q&A
Course options:	1 trainer (for up to 6 participants) 2 trainers (for up to 12 participants) This course is run for specific teams and the content can be customised to the needs of those teams.

Introduction to Linked Data

Course overview:	A one-day technical introduction to Linked Data For teams needing a less detailed technical introduction we offer this one-day course: Introduction to Linked Data. This covers similar material to our most popular course - Introduction to Publishing Linked Data, but does not go into as much depth. While the two-day course is targeted on data specialists and developers, the one-day version is more suitable for managers, consultants and evangelists.
Topics covered:	- Motivations for publication and use of linked data: understanding the background, benefits and underlying motivations behind the use and publication of linked data - High level Introduction to the linked data model and its features: including the RDF data model and its features, standard notation, structure and roles of URIs (Uniform Resource Identifier), authoring and validation, linking and merging - Introductory Modelling for linked data: basic modelling with RDFS (RDF Vocabulary Description Language), overview of advanced modelling using OWL (Web Ontology Language), vocabularies, reference data and other types of Linked Data - Basic Querying and using linked data: overview of SPARQL (SPARQL Protocol and RDF Query Language) and making use of Linked Data - Summary / Q&A
Course options:	2 trainers (for up to 12 participants) We also offer a public version of this course (price/attendee)

Querying Linked Data Using SPARQL

Course overview:	A two-day hands-on workshop on using SPARQL for query, update, and data access The Querying Linked Data using SPARQL course covers using SPARQL (Linked Data and RDF Query Language) for query and update, and how to access data through the SPARQL protocol and SPARQL results formats.
Topics covered:	- Introduction to SPARQL - SPARQL results formats - Using SPARQL (Linked Data and RDF Query Language) for querying data - Using SPARQL (Linked Data and RDF Query Language) to update data - Summary / Q&A
Course options:	1 trainer (for up to 6 participants) 2 trainers (for up to 12 participants)

Data Standards and Data Modelling Courses

Modelling Workshop

Course overview:	A two-day workshop (the price includes time for our trainer to become familiar with your data and to formulate some initial modelling strategies). For building skills in designing data we offer a two-day modelling and development workshop. This is intended for teams who have already been through the two-day introductory course and will help people who want to get started on modelling and designing linked data by providing an opportunity of doing the modelling <i>on your own data</i>. The cost of the course includes time for us to become familiar with your data, and for our trainers to show how the principles learned in the first course can be directly applied to your data and support you in developing a data design that is built on the needs of your users.
Topics covered:	- Introduction - the basics of data modelling - Introduction to common ontologies, vocabularies and data models - Practical design discussions - Practical discussions on your own data challenges - Summary / Q&A
Course options:	1 trainer (for up to 6 participants)

Introduction to the Reference Data Management (Registry)

Course overview:	A half-day training course. This course provides a review of the features and facilities provided by the Reference Data Manager / UKGovLD Registry, together with high level training on its operation.
Topics covered:	- Introduction - Overview of the Registry tool and high level principles - Data Structure - Operation of the registry - Summary / Q&A
Course options:	1 trainer (for up to 8 participants)

Using the Reference Data Management (Registry)

Course overview:	A full-day training course.
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	This course provides a more detailed dive into the Reference Data Manager / UKGovLD Registry operation. It explains how to load new items, how to update existing registers and code lists, and how to query and retrieve data from the platform. It also covers how to add new users to the system and manage administrative functions. It also covers how codelists and reference data can be designed. This course compliments and extends the Introduction course.
Topics covered:	- Introduction - Overview of the Registry tool and high level principles - Data Structure and designing a register - Operation of the registry - Updating existing registers and code lists - Summary / Q&A
Course options:	1 trainer (for up to 4 participants)

Introduction to common vocabularies and data standards

Course overview:	A two-day practical workshop training course. After a general introduction to the principles of linked data modelling, attendees are guided through the process of developing a model for a familiar domain. Using this example attendees learn how to apply common modelling patterns, ontology components and standard tools that they can reuse in their own work. For building data standards skills, exploring common vocabularies and standards such as PROV, Data Cube, ORG, FOAF, QUDT, SKOS and DCAT our two-day Introduction to common vocabularies and data standards course will help you understand how these standards should be used.
Topics covered:	- Introduction - the principles of linked data modelling - process of developing a model for a familiar domain - common modelling patterns and ontology component - tools and best practice - Summary / Q&A
Course options:	2 trainers (for up to 12 participants)

Other Data Skills Courses

Data Architecture Mentoring

Course overview:	Flexible Mentoring to support specialists.
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	We offer Data Architecture Mentoring as a day rate based or discounted 5 day block, to support internal knowledge and expertise development.
Topics covered:	internal knowledge and expertise development support
Course options:	1 expert (5 days support) Additional available via SFIA Rate Card rates

Digital Transformation for Leaders

Course overview:	A Two day workshop (but can be broken up into modules) By the end of this workshop you will be able to: - Define key digital and data transformation terms and apply them to your context - Describe the role of leaders and different teams in digital transformation - Simplify the language of data and digital for your business - Create statements describing what digital transformation means for your organisation, role, and team - Recognize the importance of culture and skills development in digital transformation - Lead conversations considering people, process, and technology elements of digital transformation, ask precise questions, identify problems, and distil problem statements to discuss with teams.
Topics covered:	- Data Transformation Framing - Stating Problems and Outcomes - Identifying People and personas - Understanding your Process Landscape - Considering Transformational alignment - Exploring the necessary transformation Infrastructure - Transformation success planning
Course options:	1 trainer (for up to 8 participants) Additional available via SFIA Rate Card rates

Data Governance for Leaders

Course overview:	A Two day workshop Based in part on the ODI Data Practices By the end of this workshop you will be able to: - Define the key aspects of data governance in plain english
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	- Describe the role of leaders and different teams in data governance - Simplify the language of data and digital for your business - Identify strengths and weaknesses in your data governance practices - Develop high level strategy for data governance in your organisation - Understand how leadership and technical expertise in data governance is essential for success
Topics covered:	- Data Accountability - Data Privacy - Data Security - Data Standardisation - Data Resourcing - Data Capability - Data Engagement - Data Ethics - Data Permissions
Course options:	1 trainer (for up to 8 participants) Additional available via SFIA Rate Card rates

Data Permissions and Licencing Workshop

Course overview:	A one day workshop By the end of this workshop you will be able to: - Explain what © and Database rights are and how they impact data - Understand why it is important to licence data when it is shared - Understand and explain the open government licence - Identify strengths and weaknesses in your data acquisition and sharing - Develop high level strategy for data acquisition and sharing in your organisation
Topics covered:	- Data sharing principles & FAIR data - Open Data and the data sharing spectrum - Intellectual Property Rights and Data - The Open Government Licence / Creative Commons Licensing - Data acquisition and sharing strategy - Undertaking a data sharing risk assessment
Course options:	1 trainer (for up to 8 participants) Additional available via SFIA Rate Card 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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