

Service Definition Linked Data Training.

Digital Marketplace: GCloud13
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Linked Data Training - Service Overview

Summary

Epimorphics offers a range of training courses to support the design, architecture and publishing of data on the web. The courses suit organisations developing or enhancing their data strategies, data architecture, knowledge graphs, building on data standards and growing internal expertise. These courses complement our Data and Data Management Platforms.



Features

- model and design data to maximise its reuse
- best practice in publishing open data
- embed data standards in your organisation
- using linked data, SPARQL and data APIs
- using linked data in your data architecture
- get to grips with OWL, RDF and JSON-LD
- principles of defining and using identifiers
- designing schemas and vocabularies for cross-organisation use
- design, create and publish quality data
- introductory, advanced, and tailored training available

Benefits

- use linked data in your organisation
- make your data accessible
- link your data to other 5-star data
- build organisational data capabilities
- ensure your data complies with the FAIR principles
- use linked-data in your organisation to create a knowledge graph
- understand how to model data provenance
- understand how and when to use RDF Data Cube
- understand how to tackle multiple languages in designing reference data
- mentoring from our data experts

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

Digital Lead, at a public sector client

Introduction to Epimorphics

Epimorphics Ltd is a 100% employee owned company that was formed in 2009 near Bristol in south west England. We are at the forefront of developing standards, tools and applications, helping organisations connect and make more effective use of their data assets through open, standards-based linked data tools and techniques. To find out more about us, our work and our approach see: www.epimorphics.com/introduction-to-epimorphics.

Service Description

Epimorphics offers a range of training courses to support people wishing to design, publish or use their data on the web as linked data. These courses also help build skills in good data design and common practices even if you are not directly planning to use full linked data. For example: developing data design strategies, designing reference data, using and defining identifiers and using data architecture for strategic improvement and standards

Our most popular course, with both private and public sector organisations, is the **Introduction to Publishing Linked Data** a two-day hands-on workshop designed for teams starting out in linked data publishing. The general course content is:

- **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**

This course is run for specific teams and the content can be customised to the needs of those teams.

For teams needing a less detailed technical introduction we offer a one-day course: **Introduction to Linked Data**. This covers similar material to our most popular course - **The 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.

We have a standalone **Querying Linked Data using SPARQL** course. This two-day 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.

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 *on your own data*. 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.

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.

We also offer **Data Architecture Mentoring** as a day rate based or discounted 5 day block, to support internal knowledge and expertise development.

Sustainability

- We regularly assess our full carbon footprint, to quantify, as far as possible, the greenhouse gas emissions associated with the operations of Epimorphics, the services that we run for others and the services that we use.
- We have assessed and been audited for our Scope 1, 2 and 3 emissions, reducing where possible and offsetting where not.
- Our company values promote support for the environment in all aspects of our work. We evaluate contracts we accept to see if a successful outcome to the contract will have a beneficial effect on our environment.

We operate as a Carbon Neutral plus organisation, and publish our footprint details as part of our sustainability statement here: www.epimorphics.com/sustainability-summary-statement

Our other Services

Cloud Software

We have complementary **GCloud Software service offerings:**
digitalmarketplace.service.gov.uk/g-cloud/search?q=epimorphics&lot=cloud-software

- **Epimorphics Data Integration & Publishing Platform**
- **Epimorphics Linked Data Publishing Platform**
- **Epimorphics Reference Data Management Platform (Registry)**

Linked Data Publishing

We have complementary **GCloud Support service offerings:**
digitalmarketplace.service.gov.uk/g-cloud/search?q=epimorphics&lot=cloud-support

- **Linked Data Training**
- **Epimorphics Data Architecture & Strategy**
- **Epimorphics Reference Data (Register) Publishing**
- **Epimorphics Linked Data Publishing**
- **Epimorphics Data Integration & Publishing**

Locations and Contacts

Epimorphics Ltd is headquartered in Portishead, near [Bristol in south west England](#).

Epimorphics Contacts

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