

# Gaia-X Federation Services (GXFS)

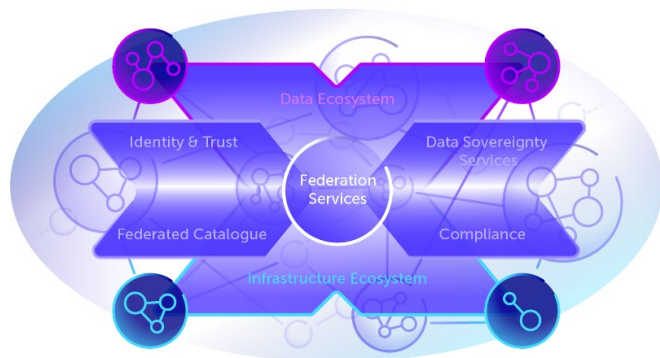
## Gaia-X Ecosystem Kickstarter – Executive Summary

**What is this White Paper about?** This White Paper explains the Gaia-X Federation Services’ concept from a broader Gaia-X project angle. It introduces the reader to the Gaia-X project; elaborates why Federation Services are key to deliver Gaia-X’s ambitions and provides an overview of different Federation Services for a non-technical audience.

**What is Gaia-X and why does it matter?** Gaia-X is a European project aiming to promote innovation through data sharing. By addressing the lack of trust in the current data landscape, Gaia-X will tap into the potential of linking up different industries and new data pools. Gaia-X develops a framework whereby actors will agree on certain rules and values that create trust among all actors based on the values of data sovereignty, privacy, security, technology neutrality and interoperability. In a community-driven process - companies, individuals and other actors can join Gaia-X.

**What is GXFS?** Gaia-X Federation Services are the implementation toolbox and minimum technical requirements and services to kickstart Gaia-X. The Federation Services empower the Federations to become operational and work together in an efficient and secure manner.

**How will the Gaia-X Federation Services work in practice?** Each Federation will be able to use the reference open-source code of the Gaia-X Federation Services toolbox to build apps and services that match the requirements in their respective Federation. The GXFS source code is a reference implementation point to achieve inter-ecosystem interoperability.



**What specific services are being developed?** A range of services have been defined in the work packages Identity & Trust, Federated Catalogue, Data Sovereignty Services, Compliance and Portal. For instance, such services include authentication and authorisation, personal credential management, self-descriptions and notarisation services to name only a few. Further details may be consulted through the latest release of the White Paper available [here](#).

**Who is working on GXFS?** GXFS-DE is the project name of an initiative funded by the German Ministry of Economics and Energy, and as per a German Parliament decision. It intends to kickstart the development of Gaia-X Federation Services through a joint community process. The resulting specifications and open-source code of this funded project are owned by the Gaia-X Association.

The eco Association of the Internet Industry, with its Head Office in Cologne, Germany, acts as a procurer to coordinate the specification work and to award the implementation contractors, based on an open EU-wide tender process.