Cleyrop, OUTSCALE and IMT unveil an industrial and sovereign alternative for cloud infrastructure and managed data services as part of France 2030.

Paris, June 18, 2024 - French Data & AI publisher Cleyrop has finalized EDHISI (European Data Hub Infrastructure & Services Initiatives), a local R&D project funded by BPI France and France 2030, as part of the call for expressions of interest for the development of the French and European cloud computing industry.

With the help of joint teams from Cleyrop, OUTSCALE (a Dassault Systèmes brand), and IMT, the French public authorities wanted to foster a sovereign cloud computing and data offering in line with European standards. This initiative reflects the changes taking place in the European data space landscape and offers an alternative response to the challenges faced by public and private organizations.

Analyzing discrepancies, speeding up collaborative innovation

Most French cloud computing providers currently offer "Infrastructure as a Service" (IAAS) as part of their range of secure & private hosting services. They can handle considerable service integration and evolutionary maintenance workloads, making it possible to power a state-of-the-art data analysis platform.

At the same time, most customers are choosing services that offer infrastructure and platforms while maintaining high security standards. To meet this objective, Cleyrop, OUTSCALE and IMT platform Teralab have developed a sovereign cloud computing and data offering in line with European Gaia-X standards.

To reduce the risks associated with dependence on foreign infrastructures, the market is looking for a European alternative

A growing need to exploit data to facilitate strategic decision-making has emerged in both the public and private sectors, coupled with the need to preserve French and European technological sovereignty. In France, this also forms part of the government's reinforcement of its policy on trusted clouds, with a strong prioritization of cloud computing in administration and a desire to use so-called trusted solutions that have been awarded ANSSI's SecNumCloud 3.2 qualification.

This is the context in which the EDHISI (European Data Hub, Infrastructure & Services Initiatives) was launched in 2021 after winning a call for expressions of interest from BPI France seeking to boost and strengthen Europe's cloud computing sector as part of
France 2030. In case you may not know, France 2030 is an initiative by the French President's office to invest €54 billion into current projects to regain the country's strategic autonomy in industry and digital technology and accelerate the transformation of key sectors through innovation.

The collective intelligence of a private-public partnership

EDHISI's strength lies in its partnership with OUTSCALE, a SecNumCloud 3.2-qualified sovereign cloud infrastructure and "as a service" platform operator, and TeraLab, IMT's AI & Big Data platform, as well as the support of industry observers such as the Engie group, which has shared its feedback as a major data user.

The project was organized into several work packages (computation & storage engines, administration & security, Gaia-X services federation, processing unification, data services operation, etc.), culminating in the creation of a trusted end-to-end offering from infrastructure to data services, and the experimentation of data sharing in compliance with IDSA (International Data Spaces Association) and Gaia-X standards.

"This project was an opportunity for OUTSCALE to work with a customer who had particularly significant security challenges, which allowed us to guide, support and test iterations of a new encryption key management service over fairly short time intervals, with the aim of bolstering our customers' data platform security. OUTSCALE identified growing security needs among its clients and partners. And we believe that managing our customers' encryption keys is the right solution for their security and compliance challenges," says Benjamin Laplane, VP Technology, OUTSCALE, Dassault Systèmes.

"TeraLab's role in the EDHISI project was to provide the services of its neutral, sovereign experimentation platform for the Cleyrop data hub, so we set up a data exchange between the two hubs, in compliance with the data sharing standards published by the International Dataspace Association. When we talk about trust in data exchange, we need to specify criteria that are sufficiently reliable to measure it and establish it right through to the cloud service," says Anne-Sophie Taillandier, Data & AI TeraLab Platform Director at IMT.

"EDHISI's objective is to work with our partners OUTSCALE and TeraLab to create a trusted infrastructure so that public and private customers can turn to a sovereign solution that complies with the GAIA-X initiative's European norms and standards, to manage their data projects without being dependent on American players," says Arnaud Muller.
About Cleyrop

Founded in December 2020 by Lauren Sayag and Stéphane Messika (Kynapse founders), Arnaud Muller (Saagie founder) and Jérôme Valat (oXya founder), Cleyrop aims to industrialize and accelerate how both public and private organizations can use data & AI within a framework of trust.

Winner of French Tech 2030 alongside Mistral AI, Light On and Pasqal, among others, Cleyrop provides public and private organizations with a complete, turnkey, secure data & AI platform. Its offers a single, unified interface for collecting, storing, governing, transforming and displaying data (analytics, LLM, etc.). Cleyrop is a French publisher with only European shareholders and deploys its solutions on its customers’ own infrastructures or on trusted clouds (OVH, 3DS Outscale, Numspot, etc.), guaranteeing complete immunity to extraterritorial laws and compliance with French and European regulations.

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About OUTSCALE

OUTSCALE, a Dassault Systèmes brand, is the leading sovereign and sustainable operator of Trusted Experience as a Service. We are revolutionizing how organizations operate through our virtual twin approach, empowering institutions and enterprises to fully leverage their data, optimizing operations and fostering collaboration across all sectors. At OUTSCALE, we put sovereignty at the heart of our solutions, giving our customers complete control over their strategic information while benefiting from cyber-governance and our cloud computing experience. As a responsible player, we optimize our infrastructure’s energy efficiency and encourage our customers to adopt sustainable practices. To find out more about our innovative solutions, visit en.outscale.com.

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IMT is a French Federal Institute of technological universities of science and management, under the supervision of the Ministry of the Economy, Finance and Industrial and Digital Sovereignty. As a French public institution of higher education and research, it comprises eight public technological universities: IMT Atlantique, IMT Mines Albi, IMT Mines Alès, IMT Nord Europe, Institut Mines-Télécom Business School, Mines Saint-Étienne, Telecom Paris and Telecom SudParis, and two subsidiary schools, EURECOM and InSIC. It leads and develops a rich ecosystem of partner schools alongside economic, academic and institutional players in training, research and economic development.

Created to meet France's economic and industrial development needs since the nineteenth century, IMT's technological universities have supported every industrial and communications revolution. Through research and the training of engineers, managers and PhDs, IMT is addressing the major industrial, digital, energy and ecological challenges facing France, Europe and the entire world. Its data & AI platform Teralab is a "trusted third party", offering state-of-the-art tools to help companies and researchers collaborate in a neutral, secure and sovereign environment.

Today, IMT and its ten schools are designing and building a world that reconciles science, technology and economic development with respect for the planet and its inhabitants. It has two Carnot accreditations and trains over 13,600 students every year. It is a founding member of Gaia-X and co-pilot of its French hub.

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