Comment utiliser l'EOSC

1ère Journée EOSC au CNRS

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➜ 07/02/2024

EOSC Catalogue & Marketplace

https://marketplace.eosc-portal.eu/
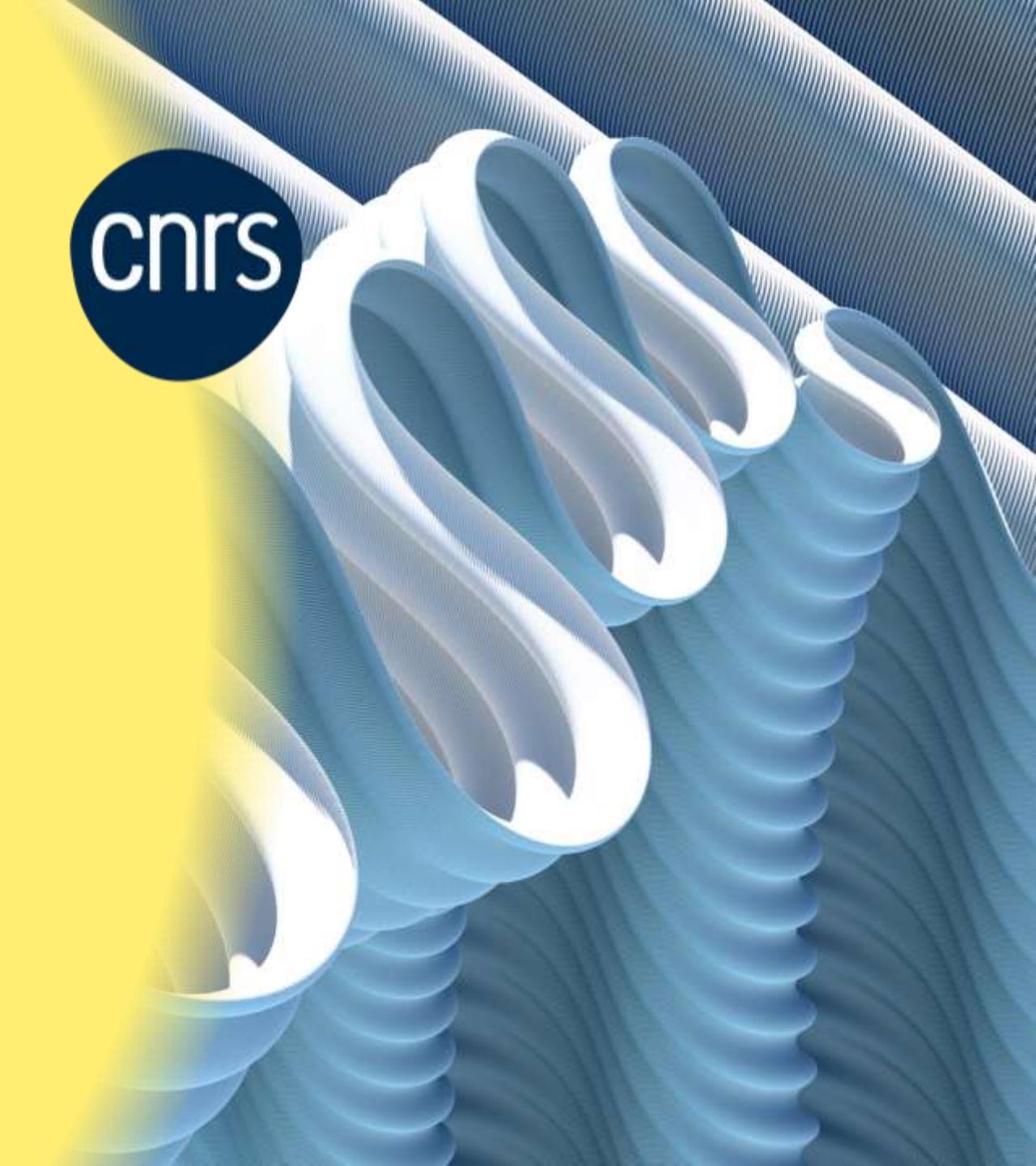
5 484 020 resources available – 05/02/2024

- **Publications: articles, thesis, slides, reports, deliverables (2 460 336)**
- **Datasets: research data (2 340 008)**
- **Software: source code, scripts, workflows (220 320)**
- **Services (474)**
- **Data Sources: services that host collections of research products, e.g., data repositories, software repositories, and publication repositories (70)**
- **Training: online courses, webinars, guides (37)**
- **Other Products (462 813)**

EOSC Catalogue & Marketplace

https://marketplace.eosc-portal.eu/

- **OpenAIRE graph – harvesting data sources**
  - ➢ **Interoperable : OpenAIRE guidelines**
  - ➢ **Open : CC-BY or CC-0**
  - ➢ **Enriched (classification, deduplication, etc.)**
  - ➢ **Metrics – statistics of use**
- **Examples of sources**
  - ➢ **Publications : Zenodo, episciences.org, OpenDOAR, NERC Open Research Archive, Scientific Reports, Digital.CSIC, HAL**
  - ➢ **Datasets: B2FIND, Zenodo**
 - ➢ **Software : Zenodo**
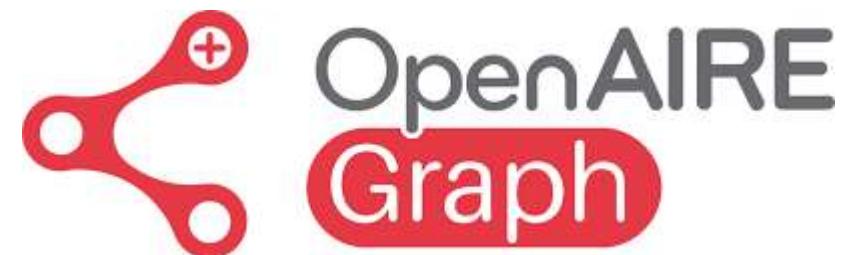
Ressources CNRS dans EOSC Marketplace

Recherche tag « CNRS »

- Publications
- Data
- Software
- Autres

85
66
417
740
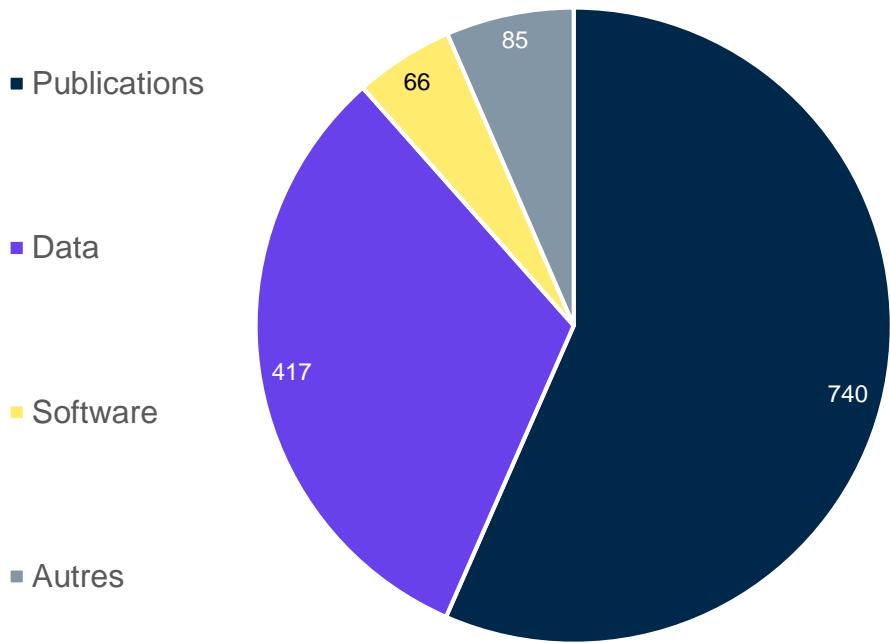
Services CNRS dans EOSC Marketplace

12 services providers, 13 services

EOSC Rules of Participation (RoP)

https://data.europa.eu/doi/10.2777/30541
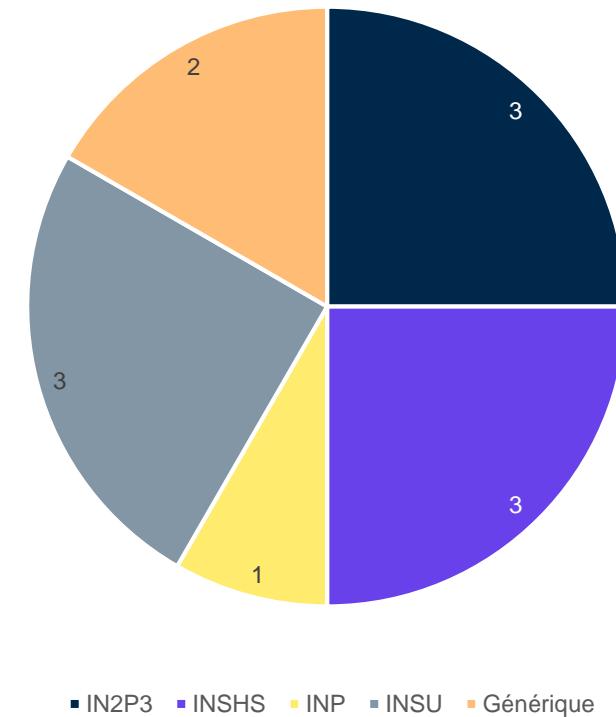
- **Published January 2021**
- **State the standards and conduct required of EOSC participants**
  - ➢ **Openess**
  - ➢ **Alignment to FAIR principles**
  - ➢ **Alignment with Architecture & Interoperability guidelines**
  - ➢ **Ethical behavior & research integrity**

- **Build trust in the EOSC and the resources accessible through EOSC**
- **Develop quality through transparency**
- **Minimise the need for regulation**
- ➢ **EOSC participants agree to adhere to the RoP.**

- **The EOSC Future project has translated the general guidance of the RoP into specific criteria to be used with Providers**

EOSC Future

EOSC Rules of Participation

Report from the
EOSC Executive
Board Rules of
Participation (RoP)
Working Group
(WG)
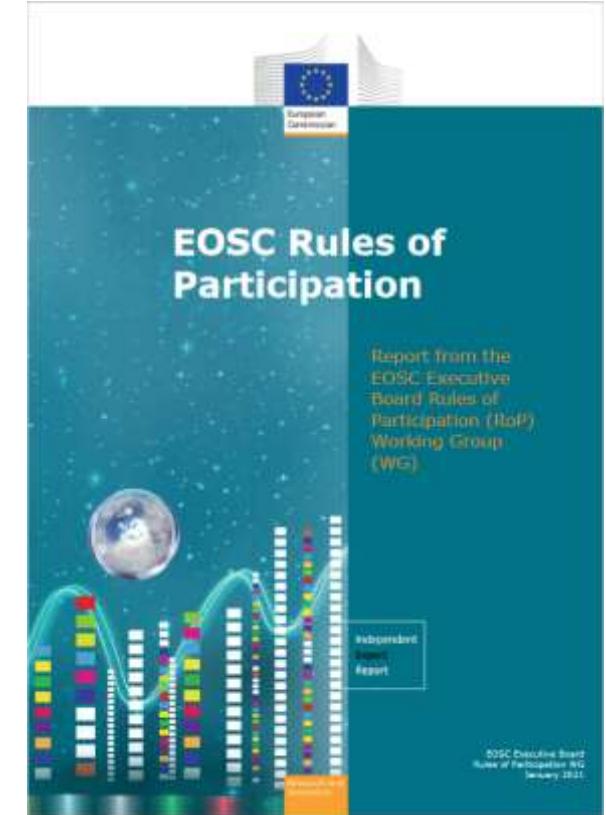
The EOSC Onboarding Process
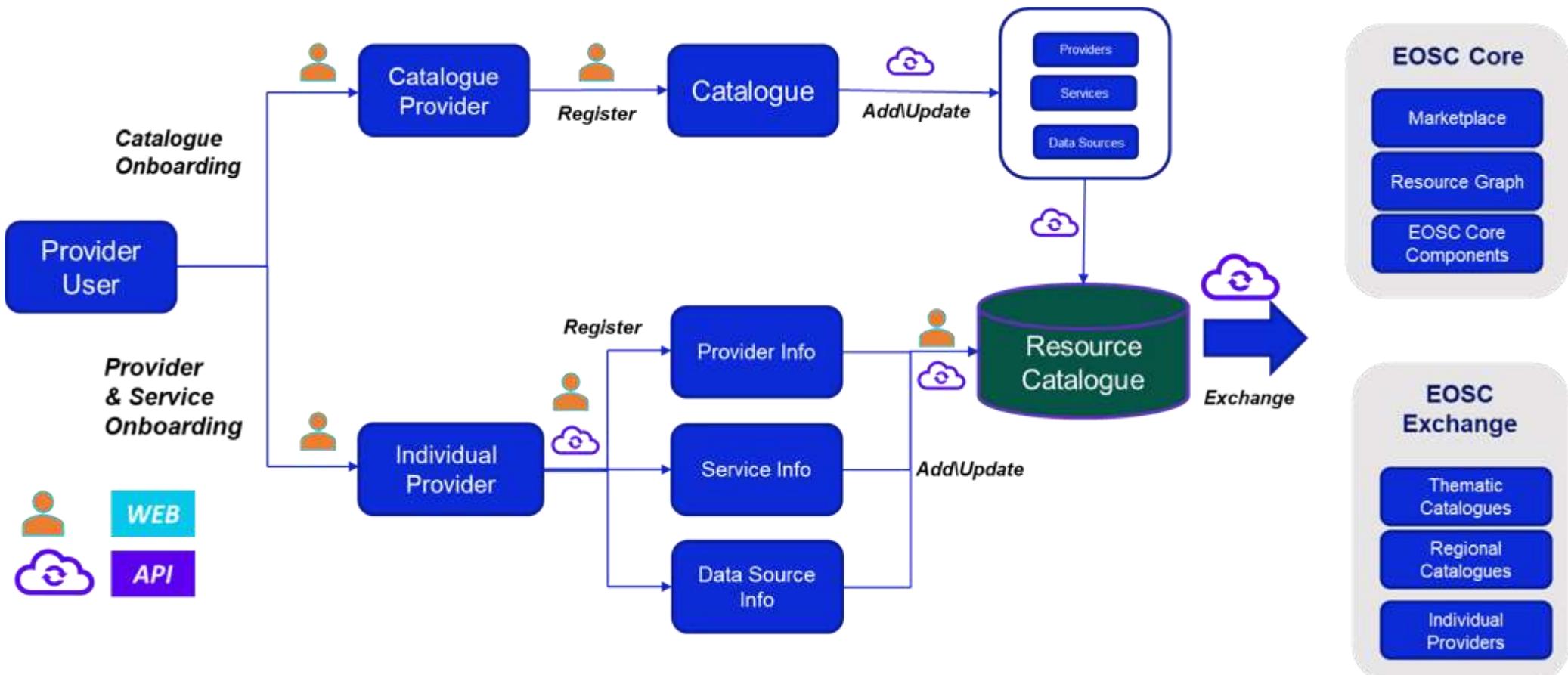
The EOSC Onboarding Process

Registration of a new Provider and registration of Resources or Data sources managed by that Provider

1. **Onboarding a new EOSC Provider. The new provider registers itself in the Service Providers Dashboard, and EPOT reviews this registration before approving the new provider. This step ensures that each EOSC Provider is organised to provide the type of quality resources expected by EOSC.**
2. **Onboarding a new Provider's first resource to the EOSC Catalogue and Marketplace. The new provider registers its first resource, e.g., a service of some kind, in the Service Providers Dashboard, and EPOT reviews this registration before approving the new resource. This step establishes the quality and interoperability of the first resource that the Provider wishes to onboard. This also establishes that the Provider understands what will be needed to ensure the desired quality and interoperability for additional resources that might be onboarded to EOSC.**
3. **Onboarding additional resources. Once the first resource has been onboarded, Providers can add additional resources to the EOSC Catalogue and Marketplace on their own.**
4. **Ongoing Audits of Providers and Resources. EPOT conducts ongoing audits of the collection of resources available through the EOSC Catalogue and Marketplace. This ensures that EOSC continues to offer the quality and interoperability of resources required by researchers.**

EOSC Service provider

https://providers.eosc-portal.eu/provider/add

Provider Profile Information Blocks
- **Basic (name, abbreviation, website, legal status, etc.)**
- **Marketing (description, logo, etc.)**
- **Classification (scientific domain)**
- **Location**
- **Contact**
- **Maturity (level of readiness, certification)**
- **Dependencies**
- **Other**
- **Admins**

https://wiki.eoscfuture.eu/display/PUBLIC/A.+v4.00+EOSC +Provider+Profile

https://wiki.eoscfuture.eu/display/PUBLIC/B.+v4.00+EOSC +Resource+Profile

EOSC Services

Examples of Exchange services for the researcher

- **B2Drop (EUDAT): low-barrier user-friendly and trustworthy storage environment which allows users to synchronise their active data across different desktops and to easily share this data with peers. EUDAT offers a free public basic instance for any researcher.**
- **B2Share (EUDAT): free-to-use public service supporting cross disciplinary research, self-registration for any scientists and researchers, free upload of stable research data, data will receive a DOI**
- **EGI Cloud Compute (EGI): deploy and scale virtual machines on-demand. It offers guaranteed computational resources in a secure and isolated environment with standard API access without the overhead of managing physical servers**
- **AI4EOSC platform (IFCA): enhance the development and deployment of AI/ML/DL models and applications within the EOSC context**
- **Rstudio (D4Science): integrated development environment for R. It includes a console and a syntax-highlighting editor and it enables code execution.**

EOSC Services

## Examples of Exchange services for the developer / service provider

- **B2Access (EUDAT): federated cross-infrastructure authorisation and authentication proxy for user identification and community-defined access control enforcement. Supports authentication e.g. via eduGAIN, ORCID and Social Identities**
- **eduTEAMS (GEANT): enables members of the research and education community to create and manage virtual teams and securely access and share common resources and services using federated identities from eduGAIN and trusted Identity Providers**
- **Visual Media Service (D4Science): upload visual media files on a server and to automatically transform them into an efficient web format making them ready for web-based visualisation.**
- **perfSONAR (GEANT): easy, transparent end-to-end monitoring, giving access to network measurement data from multiple network domains.**

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How to browse the EOSC Marketplace?

Comprehensive search experience consists of three elements

- **Basic Search: always positioned at the top of the webpage, this is where you can enter your search queries.**
- **Advanced Search: adjacent to the main search bar, the advanced search feature allows you to refine your search using specific criteria.**
- **Standard Filters: on the left side of the webpage, you'll find traditional filters that help you narrow down your search results.**
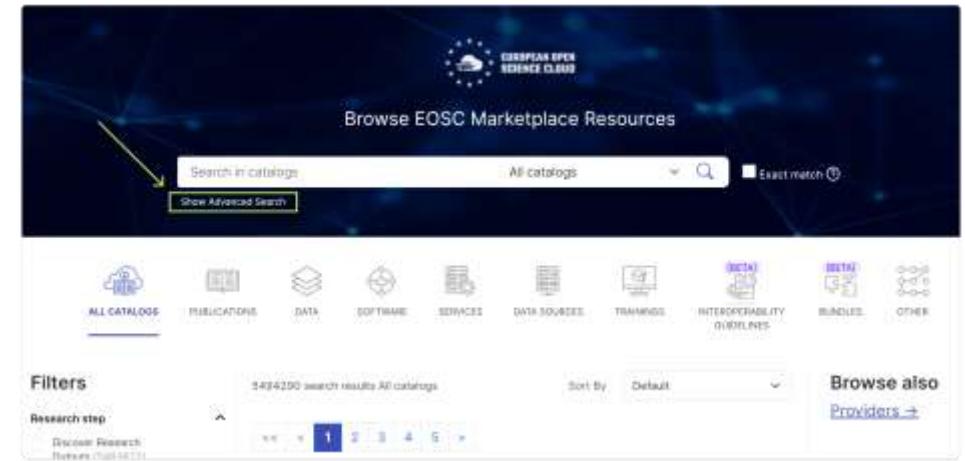
How to access a service?

If not in open access, an order must be placed

Access the service

⏻ ORDER REQUIRED

- **Select the service**
- **Provide information (select an offer, specify configuration)**
- **Place an order to request access**
- **The summary of the order will be sent via email**
- **User will be contacted by the support team once the service is ready to use**