Project Aims and Benefits

Project Aims

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The aim of DOME to support businesses and public organisations digital transformation making available a catalogue of cloud-to-edge offerings in Europe.

INFRASTRUCTURE	Deployment of a customer-oriented and user-friendly marketplace platform infrastructure, following inclusion and equality principles.
OPERATION	Operation of the marketplace platform according to security, energy and resource efficiency, data protection, ethical standards and portability requirements.
TRUSTFULNESS	Integration of state-of-the-art distributed identity and access management services to support the marketplace platform operation.
CURATION	Design of a vetting process for services offered on the marketplace for specific services in regulated sectors (e.g. health, energy, finance, etc.).
INTERCONNECTION	Implementation of interconnections with similar marketplaces and service catalogues that already exist in some European Member States.

COMPLIANCE	Single EU portal to access cloud-to-edge based service offerings compliant with a set of EU rules of the forthcoming EU Cloud Rulebook.
TRANSACTIONS	Implementation of a service brokerage functionality to enable transactions between providers and users to take place on the DOME marketplace.
OPEN SOURCE	Massive adoption of an open source, vendor-neutral reference framework to facilitate the offering of cloud-to-edge bundled products.

Benefits

Different stakeholders will benefit from the DOME catalogue of cloud and edge services in different ways.

Cloud Services Providers	ORGANISATIONS CREATING AND OFFERING CLOUD APPLICATIONS AND SERVICES Automated deployment, configuration and management of cloud services, seamless integration and interoperability with different cloud service providers. Robust security and compliance. Comprehensive performance monitoring and analytics.
Data Owners & Providers	ORGANISATIONS THAT GENERATE AND SUPPLY DATA TO CLOUD SERVICES Ability to access data markets across different industries and geographies, discovering new opportunities to monetise data assets. Data handled securely and protecting privacy. Interoperability for smooth data exchange.

"As-a-Service" Providers	ORGANISATIONS OFFERING UNDERLYING INFRASTRUCTURE, PLATFORMS OR SOFTWARE Capacity to enrich the portfolio of cloud applications and easily reach a critical mass according to the number of cloud-to-edge application services offered. Smooth integration, efficient allocation and management of computing resources.
Supporting Services Providers	ORGANISATIONS PROVIDING INTEGRATION OF APPLICATIONS AND SYSTEMS Access to widely supported middleware technologies and standards, allowing to leverage existing tools and adapters. Comprehensive set of APIs for interoperating across services. Ability to customise and extend existing services.
Marketplaces Providers	ORGANISATIONS OFFERING MARKETPLACE FUNCTIONALITIES Ability to aggregate and combine own or third parties Data, Cloud, IaaS, PaaS, SaaS or Supporting Services into a unified offering within a centralised management of services lifecycle. Accurate, transparent billing and accounting.
Cloud Services Consumers	ORGANISATIONS CONSUMING / UTILISING CLOUD APPLICATIONS & SERVICES Easy discovery and selection of cloud services. Seamless provisioning and deployment of flexible and scalable cloud services. Ability to track the performance, health, and utilisation of deployed services. Robust security and compliance.

Data Consumers & Aggregators	ORGANISATIONS ACCESSING, PROCESSING, UTILISING OR AGGREGATING DATA Capacity to provide added value services accessing and/or aggregating data from multiple sources. Access to and easy discovery within a wide range of diverse and high-quality datasets supported by a transparent data governance framework.

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