

CLOUD NATIVE SOLUTION

FOR FUND DISTRIBUTION ACTIVITIES

Cloud Computing

Cloud computing is based on a simple but powerful idea: remove the need for physical in-company servers through data centres. For companies, this results in much greater flexibility, allowing them to select the appropriate computing power, resources and IT services as the need arises and on a pay-as-you-go basis.

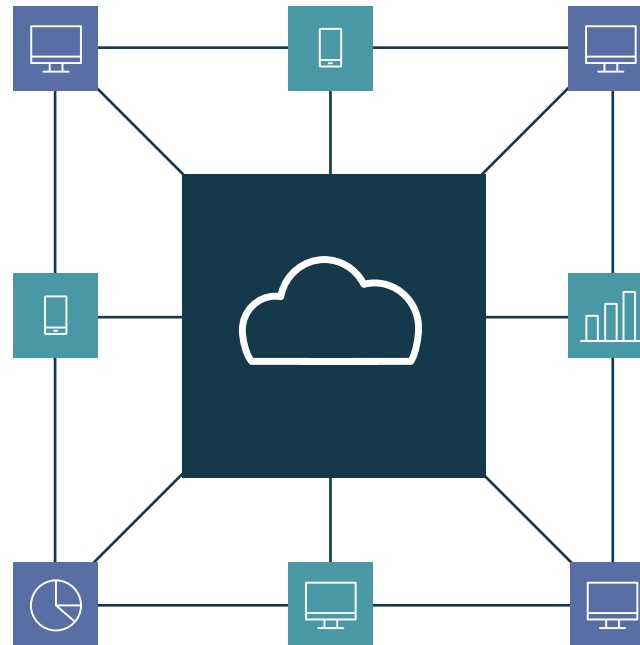
The ability to maintain a high level of operational resilience with a smaller outlay and less resources is also an important win for all companies.

Therefore, the cloud avoids the need for investments in standardised infrastructure, as well as activities and services such as hardware purchasing and lower-level operations and management. Because of this, companies are freed up to more fully focus on value creation and solutions.

Taking this a step further, the combination of DLT and the cloud can be particularly fruitful. They offer new ways to connect, collaborate, do business and build bridges between business processes.

FundsDLT is based on this concept and delivers an innovative, scalable and agile digital business model. The cloud and DLT are key elements of its success and are essential pillars to focus on value-added services.

The digital transformation sweeping through the investment fund industry can bring the investor to the fore and thus finally deliver on the promise of



connecting technology and information to a better experience and real added value.

FundsDLT has a 100% cloud strategy with an end-to-end view. It encompasses a highly competent and motivated team delivering the FundsDLT platform on a cloud infrastructure based on standardized architecture stacks.

FundsDLT Solution

FundsDLT delivers two models:

- As a Software as a Service (SaaS) provider, delivering the full applications stack based on Microsoft Azure.
- As a software provider, delivering a full application stack and tools deployed on a Client cloud.

In the SaaS model, applications are delivered to clients over the internet and run through a browser. This means that no downloads or client-side installs are needed.

With the SaaS model, the FundsDLT solution means:

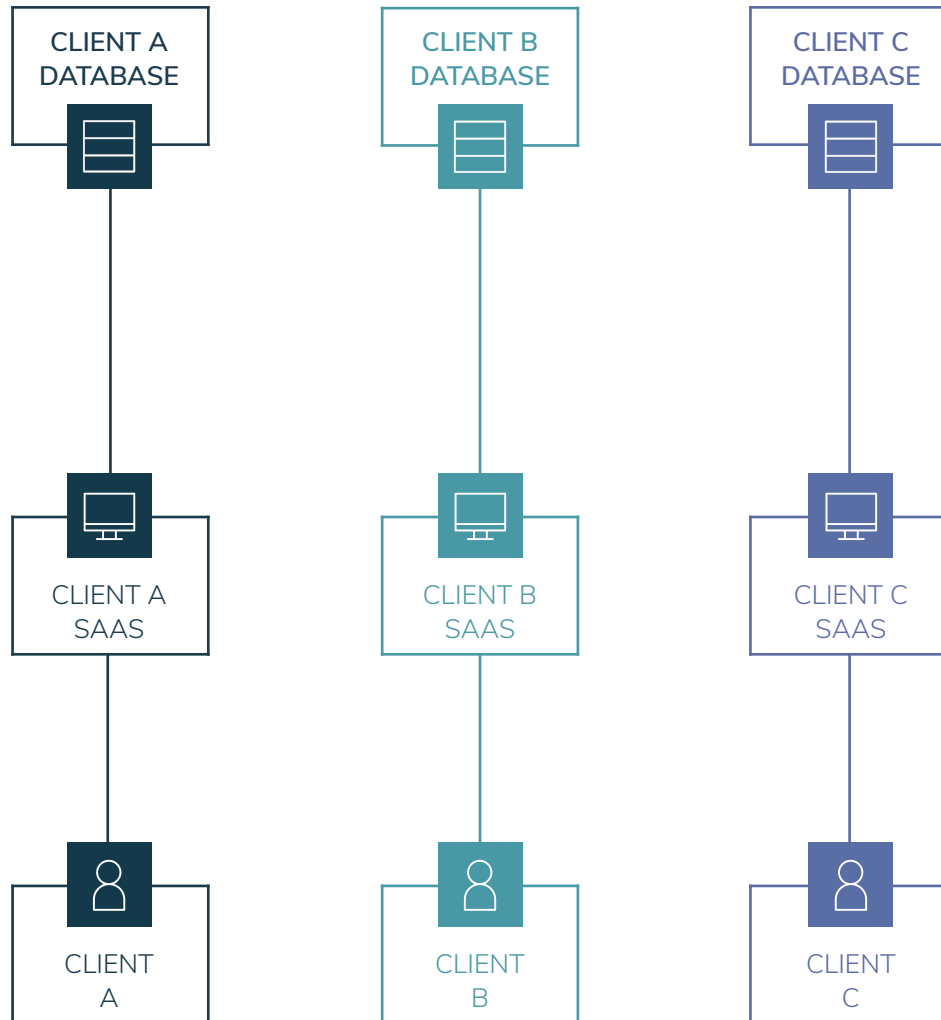
- Management from a central location
- Hosting on a remote server
- Accessibility over the internet
- Users are not responsible for hardware or software updates.

Furthermore, in the SaaS solution the infrastructure is outsourced to Microsoft Azure Public Cloud to enhance quality, scalability and speed of delivery.

The technical architecture is designed as single tenancy where each client has its own independent instance of the software.



Single-tenant SAAS Deployment Model



In the software provider model, clients can have their own tenant directly deployed into their cloud environment. FundsDLT supports the client with system updates.

All applications developed by FundsDLT are cloud native and based on microservices. Microservices are deployed through the containers to limit lock-in and to be able to deliver the service on other cloud providers. The architecture is based on Kubernetes. Microservices are packaged and are deployed on Kubernetes clusters spread across data centres.

Security and Continuity



ACTIVE-ACTIVE DATA CENTRES

All data centres are located in the EU and at distance to minimize geopolitical and natural disasters. Data centres are located in the following Azure regions: North Europe (Dublin), West Europe (Amsterdam) and France Central (Paris).

Communication between the data centres is performed by the fully redundant Microsoft backbone.

FundsDLT has chosen Zone Redundant Storage (ZRS) for its high availability with synchronous replication. ZRS delivers strong consistency, strong durability and high availability, even if an outage or natural disaster renders a zonal data centre unavailable.



ACTIVE-ACTIVE APPLICATIONS

The Azure Traffic Manager enables us to distribute our traffic optimally to the services in two different data centres located in two different Azure regions. This provides high availability and responsiveness for our services.



ACTIVE-ACTIVE DATABASES

We are using distributed databases and our data are managed by Azure SQL, Cosmo DB, Cassandra, Mongo DB, Elasticsearch and KAFKA. All these solutions manage distributed and redundant storage. Each data centre has a copy of all our data and the capacity to run all our services.

The following are the four main pillars to secure FundsDLT enterprise in Microsoft Azure

- **Identity:** Identity security is a primary security perimeter and protects identity systems, admins, and credentials as top priorities.
- **Apps and Data:** This identifies and secures communications, data and applications.
- **Infrastructure:** FundsDLT uses the available tools and methods of the cloud platform to detect and remediate both vulnerabilities and attacks.
- **Devices:** This allows FundsDLT to manage access to assets from trusted devices with hardware security assurances and provide great user experience and advanced threat detection.

FundsDLT SOC uses Azure Sentinel and a complete set of tools to detect, assess, diagnose, stabilize and close security incidents.

These tools measure the security maturity and deliver security enhancements to raise awareness and enhance protection.



DISCLAIMER

The purpose of this brochure is to provide an overview and as such the information contained herein is of a general nature, not intended to address specific circumstances or situations and may be subject to change without notice. FundsDLT endeavours to provide complete and accurate information but there can be no guarantee that such information is complete or accurate or that it will continue to be complete or accurate in the future. No one should act on such information without appropriate professional advice after a thorough examination of the particular situation. The inclusion of information from third parties does not give or imply any recommendation, warranty, representation or undertaking by FundsDLT.

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