

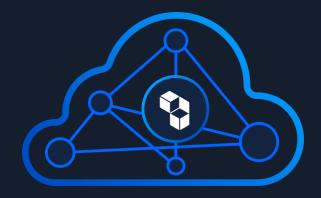
# Federated Sync&Share (an application for Geo-distributed object storage)

Enrico Signoretti, VP Product, Cubbit

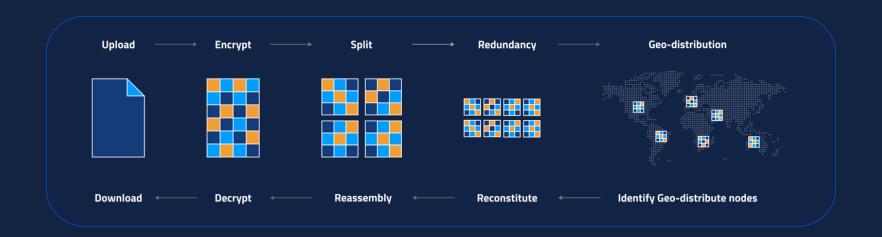
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Cubbit DS3 is

Distributed Cloud Storage
optimized for multi-cloud
and edge use cases



#### A Game Changing Paradigm



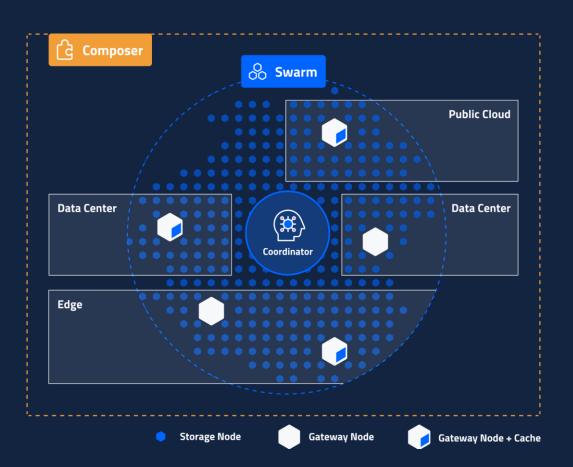
# Secure, Resilient, Cost Effective

These solutions can run on any device connected to the internet.

Data is **end-to-end encrypted** and it is extremely **ransomware resistant.** 

#### **How Does it Work?**

A full cloud experience while keeping control over data, infrastructure, and cost.



### **Benefits**



### **Sustainability**

Geo-distribution allows for an efficient use of hardware and stretches its life cycle, therefore limiting e-waste while improving on power consumption.



#### Low €/GB

Cost is driven down by overall efficiency of the system.



### Resiliency

Overall data durability is dramatically increased as well as disaster recovery.



## **Security**

Data is encrypted end-toend. Nodes only store segment of encrypted data, impossible to rebuild and every tampering with a node doesn't compromise data or service. Ready to go in 4 steps and 15 minutes

1.

# Build a Swarm

A Swarm can be deployed on any type of infrastructure. Physical or virtual, on bare metal cloud, on premises, at the edge, on NAS systems and more.

**Start small and grow from there**. Integrations with main DC providers are available.

2.

# Deploy a gateway

The gateway can be deployed where you need to access data: on-prem, in the public cloud or at the edge. It **scales linearly** dependending on your applications and business needs.

3.

# Create the first tenant

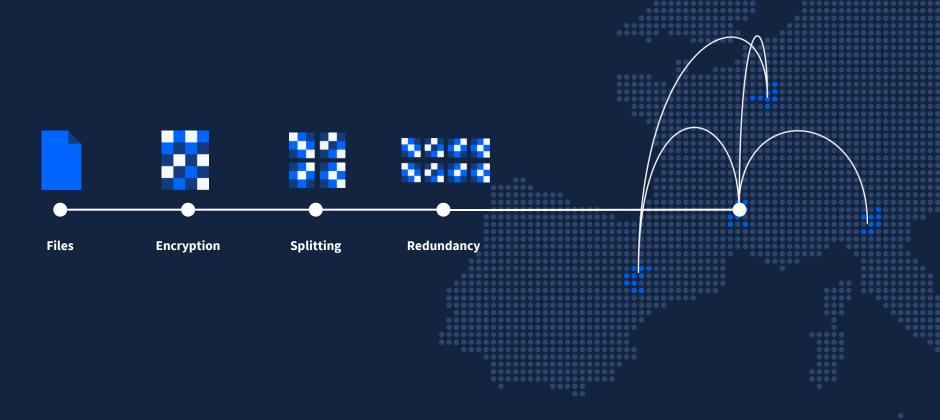
Assign resources to an end user, a team or an application is easy. **Define redundancy** and **permissions** and configure your clients quickly thanks to an easy UI to give every customer a **personalized experience**.

4.

# Configure an application

As easy as it can be. Make S3 your backend and start providing a top-notch service on top of your **distributed cloud storage platform**.

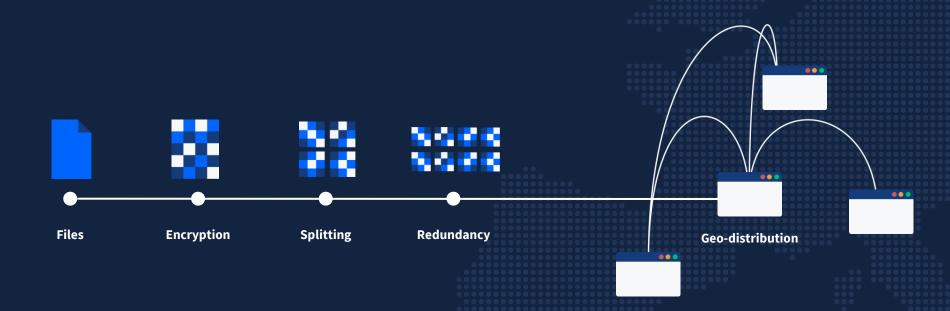
#### Think About a Federated Cloud Hosted by Universities Across Europe



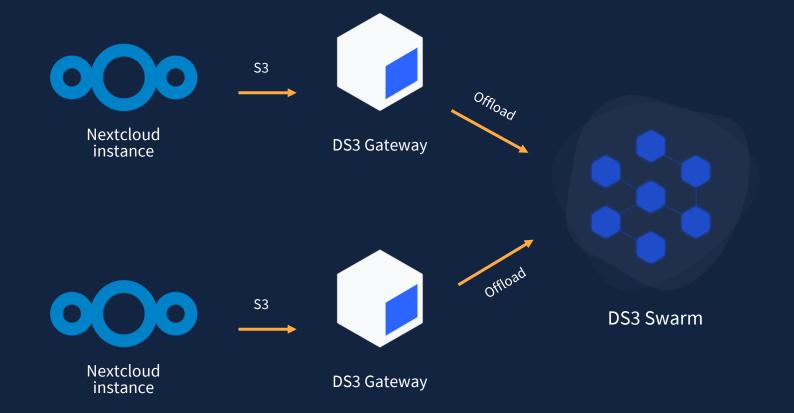
A Federated Cloud for Universities and Research

- Every org part of the federation provides some capacity
- Storage nodes can be recycled and of different size and generation
- Gateway nodes provide S3 data access and speed

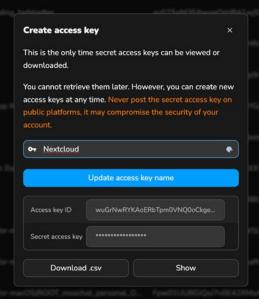
# Cubbit DS3 + Nextcloud



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#### Multi Tenancy and Personalized User Experience



### **Cubbit DS3 Console**

### **Easy to Configure and Manage**

```
Docker-compose example
    image: nextcloud
    restart: always
     - 8080:80
     - db
     - nextcloud:/var/www/html
     - OBJECTSTORE_S3_BUCKET=<ds3-bucket>
     - OBJECTSTORE S3 REGION=eu-west-1
     - OBJECTSTORE_S3_HOST=<gateway-endpoint>
     - OBJECTSTORE_S3_PORT=443
     - OBJECTSTORE S3 KEY=<ds3-access-key-id>
     - OBJECTSTORE S3 SECRET=<ds3-secret>
     - OBJECTSTORE_S3_SSL=true
```

 $\underline{https://docs.nextcloud.com/server/latest/admin\_manual/configuration\_files/primary\_storage.html}$ 

# **Thank You!**

