



# B2SAFE Data Policy Manager

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2<sup>nd</sup> EUDAT Conference



# Objectives

- allow a Community Manager (CM) to specify data management policies
- allow a Community Manager (CM) to manage those policies via a web-portal

# Replication

EUDAT



1839/abc
29db...279b4a
1.10.13 00:00

**CM wants to specify the type of replication, the replica sites and how often data shall be replicated**

Replication from A to B and from B to C  
Replication from A to B and from A to C

456/abc
29db...279b4a
1.10.13 02:00

789/abc
29db...279b4a
1.10.13 02:00



# Integrity

EUDAT



1839/abc

29db...279b4a

1.10.13 00:00

**CM wants to specify the periodicity of integrity checking**

456/abc

29db...279b4a

1.10.13 02:00

789/abc

29db...279b4a

5.10.13 05:00

Checksum recalculation on the physical file



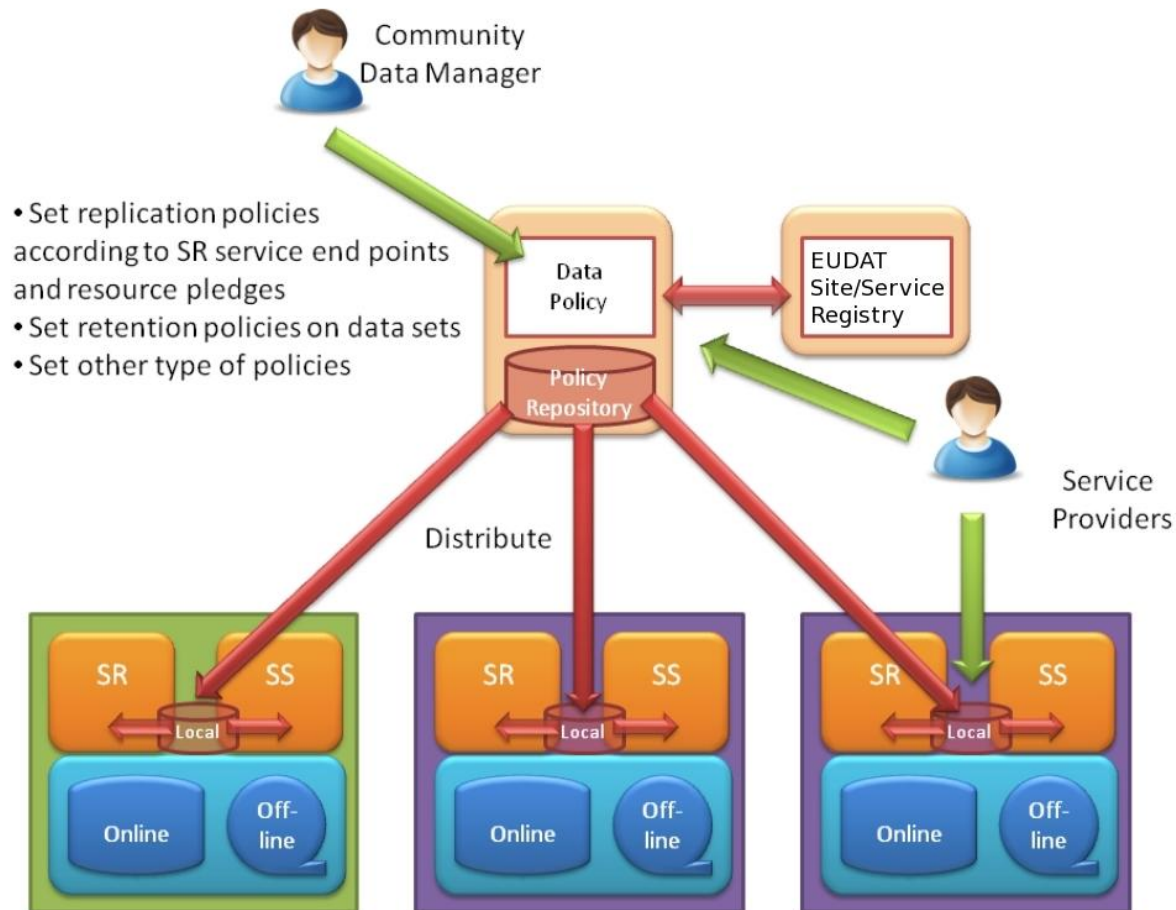
# Data Policy Manager Portal

By using the portal the CM can:

- Select policies (replication, integrity checking, retention, etc...)
- Hand-pick the sites involved in the policy
- Visualize the history of the issued policies on a searchable table

The created policies are in an abstract way, i.e. independent from any technology or technology format (e.g. iRODS rules).

# Data Policy Manager Architecture



# Requirements

- Authentication and authorization mechanism will be implemented to guarantee security.
- Functionalities will be tailored on the basis of the Communities requirements.
- More communities involved, more complex rules/policy-templates implemented.

# Conclusions

We are implementing a web-based portal to manage policies:

- lightweight and easy to use tool
- independent from any protocols
- integrated with other EUDAT service (first and foremost with the B2SAFE service)



# DPM Team

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