Open Cloud Mesh

https://datatracker.ietf.org/doc/draft-lopresti-open-cloud-mesh/

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Motivation

OpenCloudMesh (OCM) is a *Dating Protocol between computers*

- Establishes a federation of cloud storage sites or *Nodes*
- Enables users to share their institutional data and collaborate with others
- Enables storage servers to advertise and discover capabilities
- Is simple for users, secure for organizations, and ensures data sovereignty
- Builds on top of WebDAV (RFC 4918) and HTTPSig (RFC 9421)
- Is adopted by the eosc (European Open Science Cloud) initiative
  - The EOSC EU Node implements it

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Development and Current Implementations

Initiative started in 2015 by GÉANT, first implemented by ownCloud.

Currently hosted as part of the CS3 (Cloud Storage for Sync & Share) Community.

Implementations include **CERNBox, OpenCloud, ownCloud, Nextcloud** and **Seafile**. Previously **Pydio** also implemented the specification.

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The Team

We represent the team of developers and system managers who implemented the OpenCloudMesh Specification in some of those cloud storage systems.

The team meets regularly and can be reached out via multiple channels

- W3C Community Group: https://www.w3.org/community/ocm
- Public Chat Group: https://matrix.to/#/#cs3org_OCM:gitter.im
- Public Mailing List: ocm-collaboration@cern.ch

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Current Specification

The Spec and the I-D – currently at version 1.2.1 – are maintained at: https://github.com/cs3org/OCM-API

In the same GitHub Org we maintain:

- An OpenAPI browser
- A stub reference implementation
- A Test Suite for interoperability tests across implementations

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Hoped-for dispatch outcome

We think the specification is ready for the IETF Standards Process

There are no known IPR issues with this specification

Please help us, what should we do next?

- Direct the work to an existing WG (which one)?
- Propose a new focused WG?
- Would publish as AD-sponsored be an option at all?

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