



Site Admission Procedure

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Terminology

The Science Mesh glossary is available at: <https://zenodo.org/record/5038663>

For the purpose of this document, the following terms and definitions apply. The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119.

Table of Contents

Introduction..... 4

Requirements for Sites to joining the Science Mesh 4

 Administrative requirements 4

 Technical requirements..... 4

Site admission procedure 4

Introduction

In this document the Science Mesh Site Admission Procedure is described. The requirements that a Site has to fulfill and the necessary steps that need to be undertaken to join the Science Mesh are described here.

Requirements for Sites to joining the Science Mesh

Administrative requirements

The administrative requirements that need to be fulfilled are described in the

Technical requirements

1. Each service must offer a way to be testable and verifiable from the outside by the Operational Team to support automated testing.
 1. The service **MUST** offer the required endpoints to perform these tests.
 2. An account **MUST** be created in order to facilitate these tests.
 3. These endpoints **MUST** be protected by some kind of authorisation mechanism.
 4. It is only necessary to open these endpoints to the Operational Team; the Operational Team will inform the site administrators in advance what IPs these tests will come from.
2. The service **MUST** support the *Up-Test*: This test will probe the service to see if it is up and running, i.e. whether it can respond to a simple query on its endpoint.
3. An endpoint to collect accounting metrics **MUST** be provided.
 1. This endpoint **MUST** be protected by some kind of authorisation mechanism.
 2. It is only necessary to open this endpoint to the Operational Team; the Operational Team will inform the site administrators in advance from what IPs the accounting metrics will be collected.

Site admission procedure

The following steps need to be undertaken to join the Science Mesh:

1. A representative of the applicant Site signs the Science Mesh Policy Declaration and presents it to the Operational Team together with the necessary contact information.
2. The applicant Site **MUST** make sure that it conforms with the requirements in section “Requirements for Sites joining the Science Mesh”.
3. The Operational Team verifies that the applicant conforms with the requirements in section “Requirements for Sites joining the Science Mesh”. If the applicant does not conform with the requirements, the Operational Team **MUST** describe reasons and **SHOULD** give a recommendation how to remedy.
4. The Operational Team informs the Science Mesh Steering Group about a new Site.

5. The Operational Team performs registration of the applicant Site to the Science Mesh. This includes registration in the Central Database and making sure that accounting metrics are collected and the Site monitoring tests are running.