



# MONARC Objects Sharing Platform

CASES Luxembourg

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# 1. Introduction

## 1.1. JSON schema

A JSON schema describes and validates your existing data format(s). This ensures the quality of client submitted data. MOSP also uses JSON schemas for the generation of the object editor.

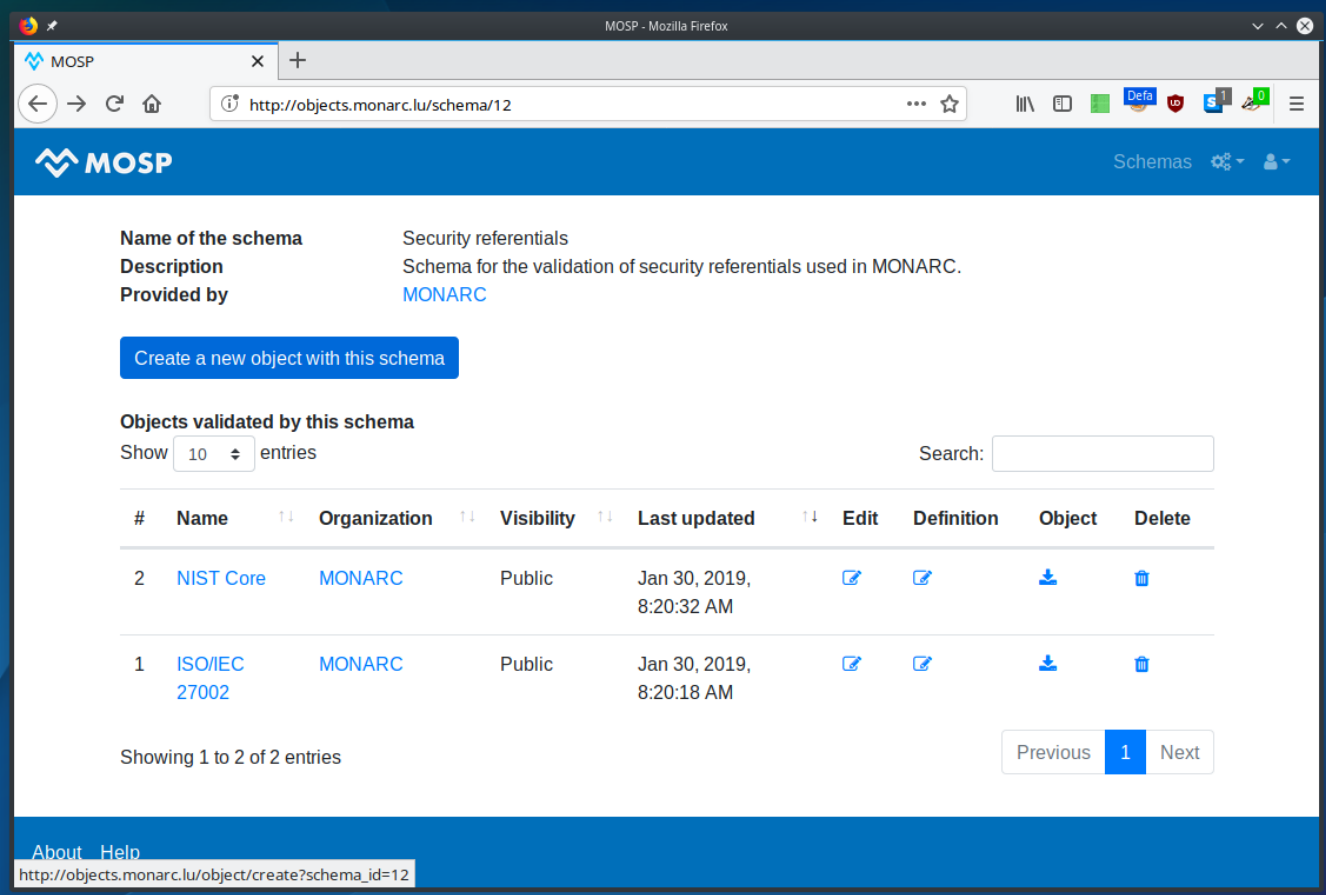
For example the JSON schema available here validates the Security referentials used in MONARC. When creating a new object with MOSP you have first to choose a JSON schema.

You can use any available schemas in order to create shareable JSON objects. It is possible to keep an object private even if the goal of this platform is to promote the sharing of information. JSON schemas are always public.

## 1.2. Objects

# 2. Creating a new object

## 2.1. Select a schema



The screenshot shows the MOSP web interface in a Mozilla Firefox browser. The URL is <http://objects.monarc.lu/schema/12>. The page displays the following information:

- Name of the schema:** Security referentials
- Description:** Schema for the validation of security referentials used in MONARC.
- Provided by:** MONARC

A blue button labeled "Create a new object with this schema" is visible.

Below, the section "Objects validated by this schema" shows a table with 2 entries. The table has columns for #, Name, Organization, Visibility, Last updated, Edit, Definition, Object, and Delete.

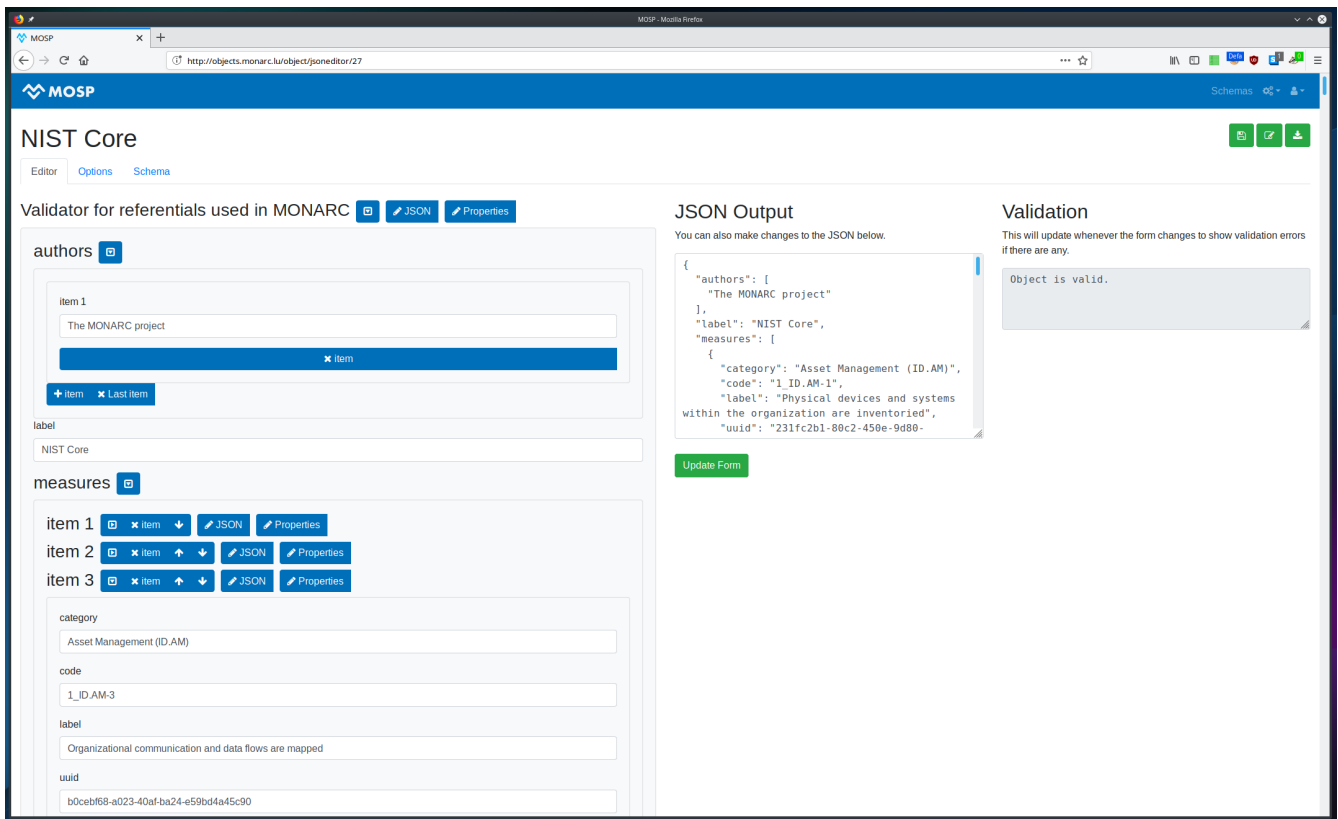
#	Name	Organization	Visibility	Last updated	Edit	Definition	Object	Delete
2	<a href="#">NIST Core</a>	MONARC	Public	Jan 30, 2019, 8:20:32 AM	<a href="#">Edit</a>	<a href="#">Definition</a>	<a href="#">Object</a>	<a href="#">Delete</a>
1	<a href="#">ISO/IEC 27002</a>	MONARC	Public	Jan 30, 2019, 8:20:18 AM	<a href="#">Edit</a>	<a href="#">Definition</a>	<a href="#">Object</a>	<a href="#">Delete</a>

Showing 1 to 2 of 2 entries

Navigation: Previous | 1 | Next

Footer: About Help  
[http://objects.monarc.lu/object/create?schema\\_id=12](http://objects.monarc.lu/object/create?schema_id=12)

## 2.2. Edit object definition



The screenshot displays the MONARC web interface for editing an object definition. The browser address bar shows the URL `http://objects.monarc.lu/object/oneditor/27`. The page title is "NIST Core".

The interface is divided into several sections:

- Validator for referentials used in MONARC:** This section contains two main parts:
  - authors:** A list with one item: "The MONARC project". It includes a "+ item" button and a "Last item" button.
  - measures:** A list with three items: "item 1", "item 2", and "item 3". Each item has a "JSON" button and a "Properties" button. Below the list, there are input fields for "category" (Asset Management (ID.AM)), "code" (1\_ID.AM-3), "label" (Organizational communication and data flows are mapped), and "uuid" (b0ceb168-a023-40af-ba24-e59bd4a45c90).
- JSON Output:** A section titled "You can also make changes to the JSON below." It displays a JSON object:

```
{
  "authors": [
    "The MONARC project"
  ],
  "label": "NIST Core",
  "measures": [
    {
      "category": "Asset Management (ID.AM)",
      "code": "1_ID.AM-1",
      "label": "Physical devices and systems
      within the organization are inventoried",
      "uuid": "231fc2b1-88c2-450e-9d80-"
    }
  ]
}
```

Below the JSON output is an "Update Form" button.
- Validation:** A section titled "This will update whenever the form changes to show validation errors if there are any." It displays the message "Object is valid."

## 3. Exporting an object for use in MONARC

## 4. Using the API