The DMP Common Standards Ontology

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1. Introduction

1.1. Motivation (1/2)

- DMP Common Standards Data Model **is available**.
- **One** of the **objectives** of the WG was to provide **reference implementations** of the data model.
- There is **value to be gained** from a **semantic representation.**

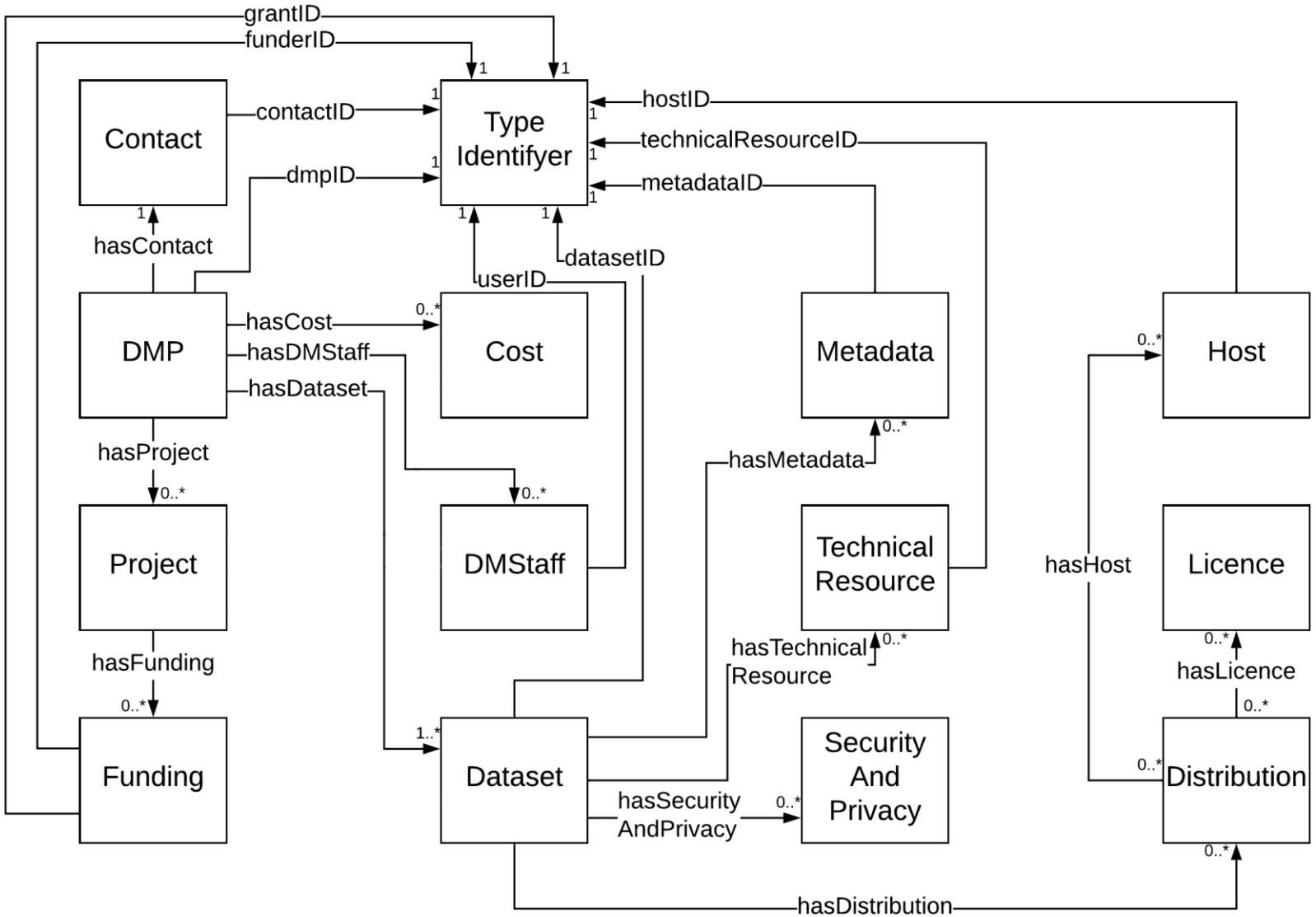
3. DMP Common Standards Ontology

3.1. What is it about?

- We set out to represent the **DMP Common Standards Data Model** with an **ontology**.
- The DMP Common Standards Ontology (**DCSO**)
- An ontology represented using **OWL**.

3. DMP Common Standards Ontology

3.2. The DCSO Model



4. Application

4.1. Founder's Requirements Assessment

- Automate the **assessment** of **funder's requirements**
- Two **DMP** from **real life** scenarios.
- Two **funding agencies**.
- Possibility of **extending** the **DCSO** according to the context.

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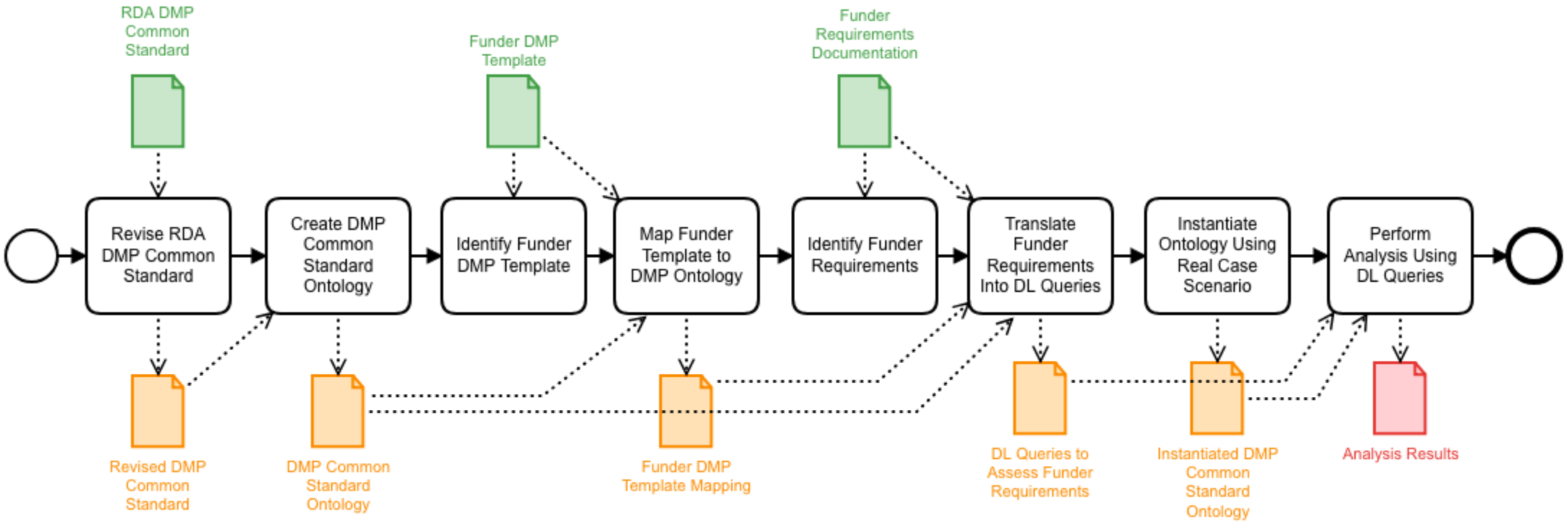
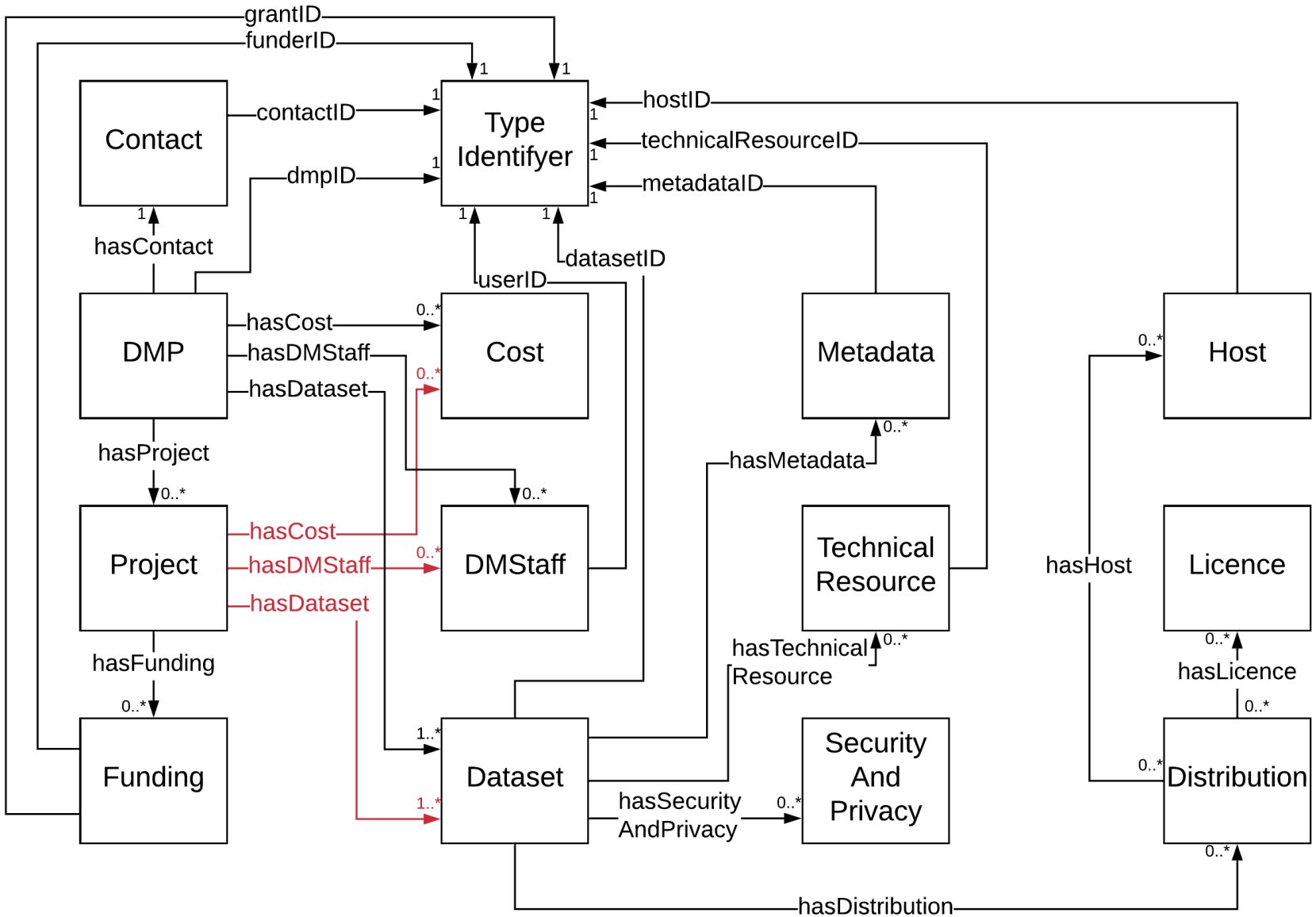
4. Application

4.2. The process



4. Application

4.3. DCSO Extension

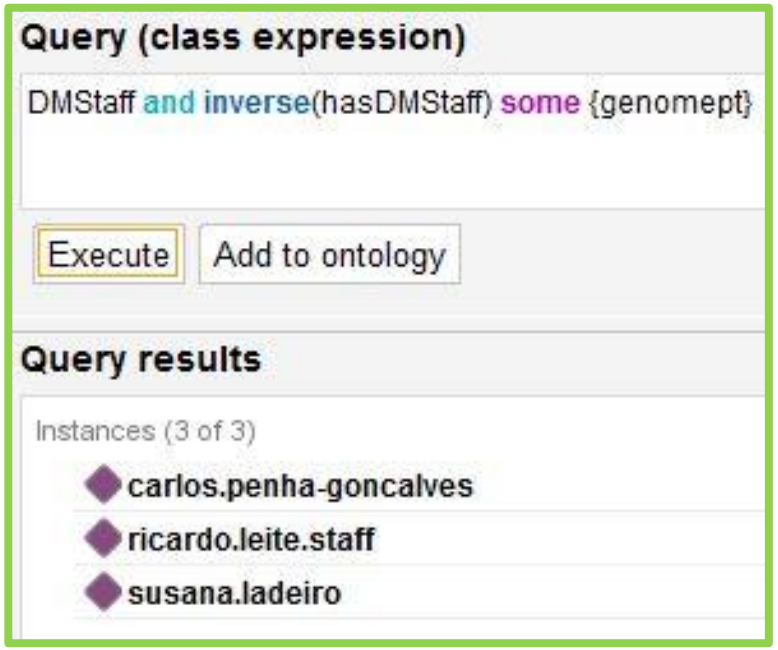


4. Application

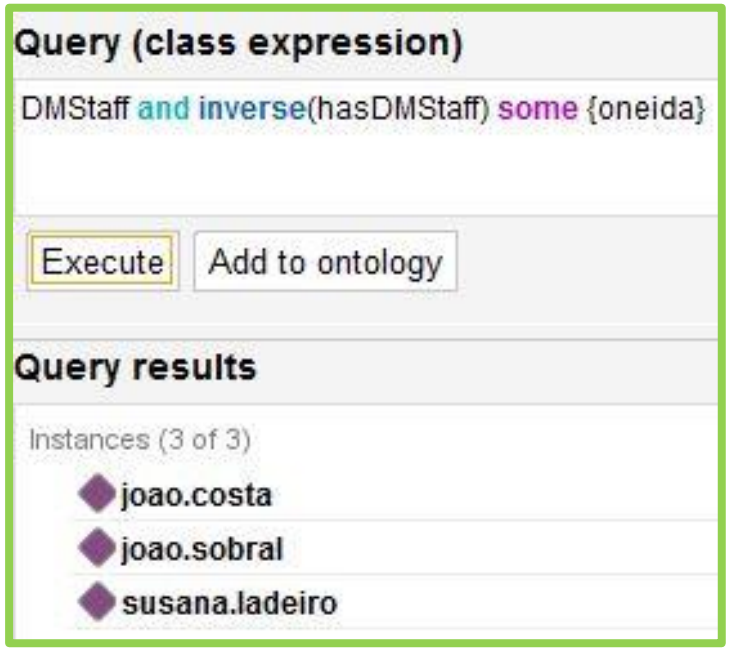
4.4. Example

- The **DMP** abridged **two projects**
- The project **staff**, to **calculate researcher's effort per project**.
- Only **one staff member** is associated to **both projects**.
- This staff member **costs** must be **covered by both projects**.
- **Further extensions** could be used to determine **costs** more **accurately**.

Project 1



Project 2

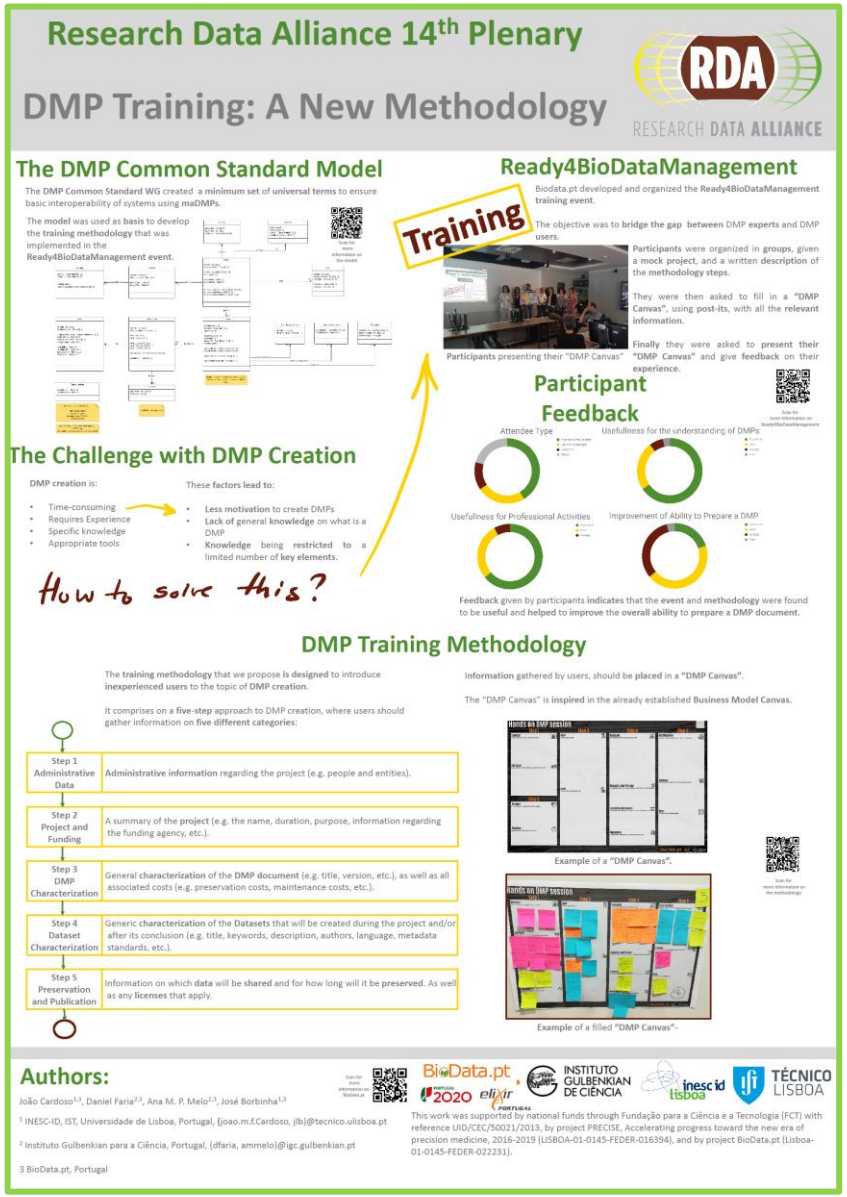


6. Looking ahead

- This is an **ongoing effort**.
- One idea is to have this initiative evolve into a **DMP Maturity Model**
- **More** DMP Common Standards Model **compliant export formats**.
- Other **ideas or suggestions** are appreciated.

7. Poster

- Have a **look** at my **poster**
- DMP Training: A New Methodology
- Stand number 1.



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