

# Meta Object Facility (MOF)

[return to the OMG Standards](#)

Table 1: Data sheet for OmgTitle (mof)

|                     |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| Title               | Meta Object Facility                                                                        |
| Acronym             | MOF                                                                                         |
| Version             | 2.5.1                                                                                       |
| OMG Document Number | formal/2019-10-01                                                                           |
| Release Date        | October 2012                                                                                |
| About Specification | <a href="https://www.omg.org/spec/MOF/">https://www.omg.org/spec/MOF/</a>                   |
| Document            | <a href="https://www.omg.org/spec/MOF/2.5.1/PDF">https://www.omg.org/spec/MOF/2.5.1/PDF</a> |

**Note:** The following is an excerpt from the actual document. It is provided here as a convenience and is not authoritative. Refer to the original document as the authoritative reference.

## Scope

*This International Standard provides the basis for metamodel definition in OMG's family of MDA languages and is based on a simplification of UML2's class modeling capabilities. In addition to providing the means for metamodel definition, it adds core capabilities for model management in general, including Identifiers, a simple generic Tag capability and Reflective operations are defined generically and can be applied regardless of the metamodel.*

*MOF 2 Core is built on other OMG MOF specifications, including the following (in this list 'MOF based model' means any model that instantiates a metamodel defined using MOF, which includes metamodels themselves):*

- *XMI - for interchanging MOF-based models in XML [XMI25]*
- *MOF 2 Facility and Object Lifecycle - for connecting to and managing collections of MOF-based model elements [MOFFOL]*
- *MOF 2 Versioning and Development Lifecycle - for managing versions and configurations of MOF-based models [MOFVD]*
- *MOF Queries Views and Transformations - for transforming MOF-based models [QVT]*
- *MOF Models to Text - for generating text, such as programs, from MOF-based models [MOFM2T]*
- *Object Constraint Language - for specifying constraints on MOF-based models [OCL]*

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