

Applications Software Metadata

The following elements from RM apply.

Title

ShortName

Identifier

Publisher

PublisherID

Creator

Contributor

Date

Version

Contact

Contact.Name

Contact.Email

Description

Source [note: this could be very confusing in the software context]

Reference URL

Type

ContentLevel

The following new elements are specific to applications software.

Function

A delimited list, including terms such as reduction, analysis, display, modeling, graphics, format conversion, etc. Multiple terms could be selected.

OperationModes

Interactive, command line, scriptable, from browser, etc.

OpenSource

Yes/No.

SourceURL

Entry point to the source code.

License

Name of license and descriptive text.

Cost

Free; or description of pricing, if not freely available.

SourceLanguage

A delimited list of software development languages. Can be more than one.

Dependencies

A text description of dependencies – compilers, libraries, etc. – that this application needs in order to be compiled or deployed. Include IDs of other applications in the registry upon which this application relies.

NetworkRequired

Essential/Useful/Limited/Unnecessary.

BinarySize

Typical size of the executable.

MemorySize

Typical memory requirements.

Platforms

List of supported platforms (hardware plus operating system).

VOStandards

List of supported VO standards and protocols used or implemented in this application (SIAP, SSAP, ADQL, OSQ, etc.)

InputFormats

List of supported input data formats, e.g., FITS, HDF, VOTable.

OutputFormats

List of supported output data formats, e.g., FITS, HDF, VOTable.