Open Source Cartouche
General Specification
Version 0.2

Visit
http://www.opensourcecartouche.org
or more information on the project

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1 metadata

Description : Higher level element containing metedata for cartouche (incl. workflow)
Cardinality : 1, Mandatory
Format : XML element
Values : Nothing

1.1 author

1.1.1 name

Description : Cartouche Author's name
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <name>Philippe-Arnaud HARANGER</name>

1.1.2 email

Description : Cartouche Author's email
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <email>philippe-arnaud.harange@atos.net</email>

1.1.3 [comment]

Description : Cartouche Author's comment
Cardinality : 0..1, Optional
Format : Text
Values : Any
Example : <comment>This cartouche is for example purpose and not to be used AS IS</comment>

1.2 [reviewer]

1.2.1 name

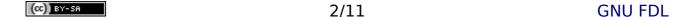Description : Cartouche Reviewer's name
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <name>Raphaël Semeteys</name>

1.2.2 email

Description : Cartouche Reviewer's email
Cardinality : 1, Mandatory

Format : String
Values : Any
Example : <email>raphaël.semeteys@atos.net</email>

1.2.3 reviewDate

Description : Cartouche Review Date
Cardinality : 1, Mandatory
Format : Date (YYYY-MM-DD)
Values : Any
Example : <reviewDate>2011-09-02</reviewDate>

1.2.4 Comment

Description : Cartouche Reviewer's comment
Cardinality : 1, Mandatory
Format : Text
Values : Any
Example : <comment>This cartouche is correct and I approve its content/comment>

1.3 dates

1.3.1 creation

Description : Cartouche Creation Date
Cardinality : 1, Mandatory
Format : Date (YYYY-MM-DD)
Values : Any
Example : <creation>2011-09-01</creation>

1.3.2 [Update]

Description : Cartouche Review Date
Cardinality : 0..1, Optional
Format : Date (YYYY-MM-DD)
Values : Any
Example : <update>2011-09-03</update>

1.3.3 [Validation]

Description : Cartouche Review Date
Cardinality : 0..1, Optional
Format : Date (YYYY-MM-DD)
Values : Any
Example : <validation>2011-09-03</validation>

1.4 cartoucheVersion

Description : Open Source Cartouche specification Version this cartouche

complies with
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <cartoucheVersion>0.2 Beta</cartoucheVersion>

2 component

Description : Higher level element containing information about the component
Cardinality : 1, Mandatory
Format : XML element
Values : Nothing

2.1 name

Description : Contains the name of the component being identified
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <name>Open Source Cartouche</name>

2.2 version

Description : Contains the version of the component being identified
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <version>0.2</version>

2.3 status

Description : Contains the status of the component at the time being identified
Cardinality : 1, Mandatory
Format : String
Values : Blueprint, Alpha, Beta, RC, Final
Example : <status>0.2</status>

2.4 releaseDate

Description : Contains the date of release of the component being identified
Cardinality : 1, Mandatory
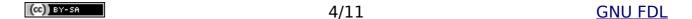Format : Date (YYYY-MM-DD)
Values : Any
Example : <date>2011-09-01</date>

2.5 homepage

Description : Contains the homepage of the component being identified
Cardinality : 1, Mandatory
Format : String

Values : Any
Example : <homepage>http://www.opensourcecartouche.org</homepage>

2.6 description

Description : Contains a description of the component being identified
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <description>Open Source identification method</description>

2.7 archetype

Description : Contains the archetype of the component being identified
Cardinality : 1, Mandatory
Format : String
Values : Plugin, Stand Alone, Library, Framework, Bundle, Documentation, Other
Comment: See http://www.opensourcecartouche.org/?p=54 for more information
Example : <archetype>Documentation</archetype>

2.8 [vendor]

Description : Contains the vendor of the component being identified
Cardinality : 0..1, Optional
Format : String
Values : Any
Example : <vendor>Open Source Center</vendor>

2.9 [tags]

Description : Contains tags for quick search and reference
Cardinality : 0..1, Optional
Format : String
Values : Any
Example : <tags>Open, FLOSS, Identification, Method</tags>

2.10 [mainTech]

Description : Contains the main technology behind the component
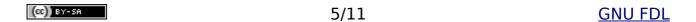Cardinality : 0..1, Optional
Format : String
Values : Any
Example : <mainTech>Open Document Format</mainTech>

2.11 [checksum]

Description : Contains the component's checksum for consistency guarantee
Cardinality : 0..1, Optional
Format : Algorithm/checksum
Values : Any

Example : <checksum>MD5/748872f003c34f528649b360853c6c4c</checksum>

3 license

Description : Higher level element containing information about component's licence
Cardinality : 1, Mandatory
Format : XML element
Comment : This element will be soon replaced by the Licence Cartouche
Values : Nothing

3.1 name

Description : Contains the common name of the licence the component is released under
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <name>GNU Free Documentation Licence</name>

3.2 version

Description : Contains the version the licence the component is released under
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <version>1.3</version>

3.3 [homepage]

Description : Contains the homepage of the licence the component is released under
Cardinality : 0..1, Optional
Format : String
Values : Any
Example : <homepage>http://www.gnu.org/licenses/fdl.html</homepage>

4 team

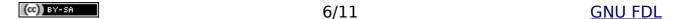Description : Higher level element containing information about component's development team
Cardinality : 1, Mandatory
Format : XML element
Values : Nothing

4.1 number

Description : Contains the number of people involved in the development of the component
Cardinality : 1, Mandatory

Format : Integer
Values : Any
Example : <number>2</number>

4.2 [developers]

Description : High level element containing at least one developer element
Cardinality : 0..1, Optional
Format : XML element
Values : Nothing

4.2.1 developer

Description : Element containing developers information
Cardinality : 1..n, Mandatory
Format : XML element
Values : Nothing

4.2.1.1 name

Description : Component's developer name
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <name>Philippe-Arnaud HARANGER</name>

4.2.1.2 email

Description : Component's developer email
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <email>philippe-arnaud.haranger@atos.net</email>

4.2.1.3 [company]

Description : Component's developer company
Cardinality : 0..1, Optional
Format : String
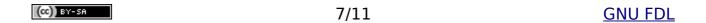Values : Any
Example : <company>Atos</company>

4.3 [contributors]

Description : High level element containing at least one contributor element
Cardinality : 0..1, Optional
Format : XML element
Values : Nothing

4.3.1 contributor

Description : Element containing contributors information
Cardinality : 1..n, Mandatory
Format : XML element
Values : Nothing

4.3.1.1 name

Description : Component's contributor name
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <name>Raphaël SEMETEYS</name>

4.3.1.2 email

Description : Component's contributor email
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <email>raphael.semeteys@atos.net</email>

4.3.1.3 [company]

Description : Component's contributor company
Cardinality : 0..1, Optional
Format : String
Values : Any
Example : <company>Atos</company>

5 legal

Description : Higher level element containing industrial property related
information
Cardinality : 1, Mandatory
Format : XML element
Values : Nothing

5.1 copyright

Description : Contains the copyright applicable on the component
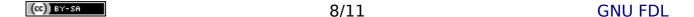Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <copyright>Atos</copyright>

5.2 [patents]

Description : High level element containing at least one patent element
Cardinality : 0..1, Optional

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Format : XML element
Values : Nothing

5.2.1 patent

Description : Element containing patents information
Cardinality : 1..n, Mandatory
Format : XML element
Values : Nothing

5.2.1.1 number

Description : Patent's Publication Number
Cardinality : 1, Mandatory
Format : PatentOfficePrefix/PatentNumber
Values : Any
Example : <number>US/4405829</number>

5.2.1.2 [**name**]

Description : Patent's short description
Cardinality : 0..1, Optional
Format : String
Values : Any
Example : <name>Cryptography communications system and method</name>

5.2.1.3 [**publicationDate**]

Description : Patent's publication date
Cardinality : 0..1, Optional
Format : Date (YYYY-MM-DD)
Values : Any
Example : <publicationDate>1983-09-20</publicationDate>

5.2.1.4 [**description**]

Description : Patent's Long description
Cardinality : 0..1, Optional
Format : Text
Values : Any
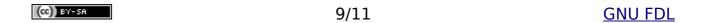Example : <description>A cryptography communications system and method...</description>

5.3 [ciphers]

Description : High level element containing at least one cipher element
Cardinality : 0..1, Optional
Format : XML element
Values : Nothing

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5.3.1 cipher

Description : Element containing ciphers information
Cardinality : 1..n, Mandatory
Format : XML element
Values : Nothing

5.3.1.1 name

Description : cipher usual name
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <name>RSA</name>

5.3.1.2 [**exportRestrictions**]

Description : List of countries restricted for exporting the cipher
Cardinality : 0..1, Optional
Format : List of countries in the ISO 3166 representation
Values : Any
Example : <exportResctictions>IR</exportResctictions>

6 [misc]

Description : Higher level element containing miscelaneous information
Cardinality : 1, Mandatory
Format : XML element
Values : Nothing

6.1 [comment]

Description : General comment
Cardinality : 0..1, Optional
Format : Text
Values : Any
Example : <comment>Blah, blah, blah</comment>

6.2 [dependencies]

Description : External components needed in order to get the component to work
properly.
Cardinality : 0..1, Optional
Format : Text
Values : Any
Comment : We need to refine this element (Unique component identifier, Subset
of a cartouche?)
Example : <dependencies>Python 2.3</dependencies>

6.3 [fileNumber]

Description : Number of files the component is composed of
Cardinality : 0..1, Optional
Format : Integer
Values : Any
Example : <fileNumber>14</fileNumber>

6.4 [data]

Description : Element containing data volume information
Cardinality : 0..1, Optional
Format : XML element
Values : Nothing

6.4.1 volume

Description : Value of data volume
Cardinality : 1, Mandatory
Format : Integer
Values : Any
Example : <fileNumber>2</fileNumber>

6.4.2 unit

Description : Unit of data volume
Cardinality : 1, Mandatory
Format : String
Values : Any
Example : <fileNumber>Mbyte</fileNumber>

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