
LibComXML Documentation

Release 3.0.3

GISCE-TI, S.L.

January 18, 2017

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1.1 Installation

libcomxml requires Python ≥ 2.6

To install from the PyPI:

```
$ pip install -U libcomxml
```

Alternatively, you can install libcomxml from source.

You can clone the public repo:

```
$ git clone https://github.com/gisce/libComXML.git
```

Or download one of the following:

- [tarball](#)
- [zipball](#)

Once you have the source, you can install it into your site-packages with

```
$ python setup.py install
```

1.2 API Reference

1.2.1 Core

class `libcomxml.core.Field` (*name*, *value=None*, *attributes=None*, *rep=None*)

Base Field class

Parameters

- **name** – the name of the field `super(Cabecera, self).__init__(name, root)`
- **value** – the value of the field
- **attributes** – a dict with optional field attributes
- **rep** – function that returns the representation of ‘value’

get_value()

`self.__value` getter

set_value (*value*)
self.__value setter

value
self.__value getter

class libcomxml.core.**Model** (*name*)
Base Model class

feed (*vals*)
Populates the vals dictionary to the value property of the fields.

Parameters **vals** – a dictionary with key:value pairs for this model’s fields.

sorted_fields ()
Returns a sorted list of the model fields’ names.

class libcomxml.core.**XmlField** (*name, value=None, parent=None, attributes=None, rep=None, namespace=None*)

Field with XML capabilities

Parameters

- **name** – the name of the field `super(Cabecera, self).__init__(name, root)`
- **value** – the value of the field
- **parent** – the parent node
- **attributes** – a dict with optional field attributes
- **rep** – function that returns the representation of ‘value’
- **namespace** – namespace associated with element

element (*parent=None*)
Constructs the lxml.Element that represents the field

Parameters **parent** – an etree Element to be used as parent for this one

class libcomxml.core.**XmlModel** (*name, root, drop_empty=True*)
Model with XML capabilities

This class is intended to be subclassed and used as follows:

build_tree ()
Builds the tree with all the fields converted to Elements

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