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# **erpbrasil.assinatura**

***Release 1.7.0***

**Jun 07, 2023**



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# CHAPTER 1

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## Overview

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docs	
tests	
package	

Manipulação de certificados digitais, A1 e A3, em Python, facilitando:

- Assinatura de documentos PDF
- Assinatura de documentos fiscais (XML)

Esta biblioteca faz parte do projeto: <https://erpbrasil.github.io/>

## 1.1 Documentação

<https://erpbrasil.github.io/>

## 1.2 Créditos

Esta é uma biblioteca criada através do esforço de das empresas:

- Akretion <https://akretion.com/pt-BR/>
- KMEE <https://www.kmee.com.br>

Por favor consulte a lista de contribuidores: <https://github.com/erpbrasil/erpbrasil.assinatura/graphs/contributors>

## 1.2.1 Licença

- Free software: MIT license

## 1.3 Windows installation

### Prerequisites

- Install swig (and add swig install folder to PATH environment variable)

## 1.4 Ubuntu Installation

```
sudo apt-get update
sudo apt-get install swig
pip install erpbrasil.assinatura
```

## 1.5 Documentation

<https://erpbrasilassinatura.readthedocs.io/en/latest/>

## 1.6 Development

To run the all tests run:

```
tox
```

Note, to combine the coverage data from all the tox environments run:

Windows	<pre>set PYTEST_ADDOPTS=--cov-append tox</pre>
Other	<pre>PYTEST_ADDOPTS=--cov-append tox</pre>

## CHAPTER 2

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### Installation

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At the command line:

```
pip install erpbrasil.assinatura
```





## CHAPTER 3

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### Usage

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To use `erpbrasil.assinatura` in a project:

```
import erpbrasil.assinatura
```



## CHAPTER 4

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Reference

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Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

### 5.1 Bug reports

When [reporting a bug](#) please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

### 5.2 Documentation improvements

erpbrasil.assinatura could always use more documentation, whether as part of the official erpbrasil.assinatura docs, in docstrings, or even on the web in blog posts, articles, and such.

### 5.3 Feature requests and feedback

The best way to send feedback is to file an issue at <https://github.com/erpbrasil/erpbrasil.assinatura/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that code contributions are welcome :)

## 5.4 Development

To set up *erpbrasil.assinatura* for local development:

1. Fork [erpbrasil.assinatura](#) (look for the “Fork” button).
2. Clone your fork locally:

```
git clone git@github.com:your_name_here/erpbrasil.assinatura.git
```

3. Create a branch for local development:

```
git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

4. When you’re done making changes, run all the checks, doc builder and spell checker with `tox` one command:

```
tox
```

5. Commit your changes and push your branch to GitHub:

```
git add .  
git commit -m "Your detailed description of your changes."  
git push origin name-of-your-bugfix-or-feature
```

6. Submit a pull request through the GitHub website.

### 5.4.1 Pull Request Guidelines

If you need some code review or feedback while you’re developing the code just make the pull request.

For merging, you should:

1. Include passing tests (run `tox`)<sup>1</sup>.
2. Update documentation when there’s new API, functionality etc.
3. Add a note to `CHANGELOG.rst` about the changes.
4. Add yourself to `AUTHORS.rst`.

### 5.4.2 Tips

To run a subset of tests:

```
tox -e envname -- pytest -k test_myfeature
```

To run all the test environments in *parallel* (you need to `pip install detox`):

```
detox
```

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<sup>1</sup> If you don’t have all the necessary python versions available locally you can rely on Travis - it will [run the tests](#) for each change you add in the pull request.  
It will be slower though ...

## CHAPTER 6

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### Authors

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- Luis Felipe Mileo - <https://www.kmee.com.br>





### 7.1 0.0.0 (2019-04-18)

- First release on PyPI.

### 7.2 0.3.0 (2019-11-19)

- Correção da importação da biblioteca e seu namespace

### 7.3 0.4.0 (2019-11-20)

- Acesso aos dados do certificado: Proprietário e CNPJ/CPF caso exista

### 7.4 0.4.1 (2019-11-25)

- Compatibilidade com python 2
- Correção na assinatura

### 7.5 0.4.2 (2019-11-26)

- Concatenar somente o elemento assinado no momento, sem mover os outros elementos de bloco. Por exemplo um lote de rps já assinados deve compor um bloco assinado, ao assinar este bloco as outras assinaturas não devem ser modificadas.

## 7.6 1.0.0 (2020-11-10)

- Fim do suporte ao python2
- Estabilização dos testes

## 7.7 1.2.0 (2021-05-26)

- Assinatura da nota paulista (Infelizmente com o XMLSEC, tiramos ele em uma nova versão)

## CHAPTER 8

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### Indices and tables

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- `genindex`
- `modindex`
- `search`