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# **AIRS XML 2 iCarol Translation Documentation**

***Release 0.3.3***

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## AIRS XML 2 iCarol Translation

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A tool to convert AIRS XML export files into translation import files for iCarol

- Free software: Apache 2.0 License
- Documentation: <https://airs2icarol.readthedocs.org>.

### 1.1 Features

- Convert an AIRS XML v3.0 export into an iCarol translation file.
- Can use the command interface `airs2icarol` or as a Python module





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# Installation

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At the command line:

```
$ pip install airs2icarol
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv airs2icarol  
$ pip install airs2icarol
```



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## Usage

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To use AIRS XML 2 iCarol Translation in a project:

```
import airs2icarol

# get translations for selected language
translations = airs2icarol.get_stdtranslation(langauges = ['fr'])

airs2icarol.convert_xml('source.xml', 'dest.csv', 'fr', translations)
```

`source.xml` and `dest.csv` can optionally end in `.zip` they will then be treated as zip files containing a single file. The filename inside `source.zip` is ignored, and the filename in `dest.zip` will be `dest.csv`. The output CSV file will be encoded in UTF-8 prefixed with a UTF-8 BOM (Byte Order Mark).



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## Command Line Usage

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When `airs2icarol` is installed, an `airs2icarol` command line application is also installed. This can be run as follows:

```
airs2icarol source.xml dest.csv fr
```

Where `source.xml` and `dest.csv` can optionally end in `.zip` they will then be treated as zip files containing a single file. The filename inside `source.zip` is ignored, and the filename in `dest.zip` will be `dest.csv`. The output CSV file will be encoded in UTF-8 prefixed with a UTF-8 BOM (Byte Order Mark). `fr` is the target translation culture code.



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## Contributing

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Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given. You can contribute in many ways:

### 5.1 Types of Contributions

#### 5.1.1 Report Bugs

Report bugs at <https://github.com/lambacck/airs2icarol/issues>.

If you are 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.

#### 5.1.2 Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” is open to whoever wants to implement it.

#### 5.1.3 Implement Features

Look through the GitHub issues for features. Anything tagged with “feature” is open to whoever wants to implement it.

#### 5.1.4 Write Documentation

AIRS XML 2 iCarol Translation could always use more documentation, whether as part of the official AIRS XML 2 iCarol Translation docs, in docstrings, or even on the web in blog posts, articles, and such.

#### 5.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/lambacck/airs2icarol/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 contributions are welcome :)

## 5.2 Get Started!

Ready to contribute? Here's how to set up *airs2icarol* for local development.

1. Fork the *airs2icarol* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/airs2icarol.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv airs2icarol
$ cd airs2icarol/
$ python setup.py develop
```

4. Create a branch for local development:

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

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 airs2icarol tests
$ python setup.py test
$ tox
```

To get flake8 and tox, just pip install them into your virtualenv.

6. 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
```

7. Submit a pull request through the GitHub website.

## 5.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.6, 2.7, 3.3, and 3.4, and for PyPy. Check [https://travis-ci.org/lambacck/airs2icarol/pull\\_requests](https://travis-ci.org/lambacck/airs2icarol/pull_requests) and make sure that the tests pass for all supported Python versions.



## 5.4 Tips

To run a subset of tests:

```
$ python -m unittest tests.test_airs2icarol
```



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## Credits

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### 6.1 Development Lead

- Chris Lambacher <[chris@kateandchris.net](mailto:chris@kateandchris.net)>

### 6.2 Contributors

None yet. Why not be the first?



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## History

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**0.3.2 (2015-06-05)**

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- Internal Memo for Agency and Site





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### 0.3.2 (2015-05-25)

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- Handle contact XPATH depends on the language because the value for Type attribute changes based on language



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**0.3.1 (2015-05-12)**

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- Add missing Hours field for service
- Include translations in sdist



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**0.3.0 (2015-05-12)**

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- Make address line 1 join be newline instead of semi-colon



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### 0.2.0 (2015-04-29)

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- Fix French Translations
- Fix missing service description





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**0.1.0 (2015-04-10)**

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- First release on GitHub



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## Indices and tables

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