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# **ctyparser**

***Release 2.2.0***

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A CTY.DAT parser for modern amateur radio programs.



# CHAPTER 1

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## Installation

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ctyparser requires Python 3.6 at minimum. Install by running:

```
$ pip install ctyarser
```





## CHAPTER 2

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### License

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**class** `ctyparser.BigCty` (*file\_path: Union[str, os.PathLike, None] = None*)  
 Class representing a BigCTY dataset. Can be initialised with data by passing the path to a valid `cty.json` file to the constructor.

**Parameters** `file_path` (*str or os.PathLike, optional*) – Location of the `cty.json` file to load.

**Variables** `version` (*str*) – the datestamp of the data, YYYYMMDD format.

**dump** (*cty\_file: Union[str, os.PathLike]*) → None  
 Dumps the data of the instance to a `cty.json` file.

**Parameters** `cty_file` (*str or os.PathLike*) – Path to the file to dump to.

**Returns** None

**formatted\_version**  
 Formatted representation of the version/date of the current BigCTY data.

**Getter** Returns version in YYYY-MM-DD format, or 0000-00-00 (if invalid date)

**Type** str

**import\_dat** (*dat\_file: Union[str, os.PathLike]*) → None  
 Imports CTY data from a CTY.DAT file.

**Parameters** `dat_file` (*str or os.PathLike*) – Path to the file to import.

**Returns** None

**load** (*cty\_file: Union[str, os.PathLike]*) → None  
 Loads a `cty.json` file into the instance.

**Parameters** `cty_file` (*str or os.PathLike*) – Path to the file to load.

**Returns** None

**update** () → bool  
 Updates the instance's data from the feed.

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**Raises `Exception`** – If there is no date in the feed.

**Returns** `True` if an update was done, otherwise `False`.

**Return type** `bool`

**version**

The version/date of the current BigCTY data.

**Getter** Returns version in YYYYMMDD format

**Type** `str`

## CHAPTER 4

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### CLI Usage

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**Note:** CLI is a work in progress!

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Currently, only updating/creating a file named `cty.json` in the current working directory is supported:

```
$ python3 -m ctyparser
```



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