

---

# **ctyparser**

***Release 2.1.0***

**Mar 17, 2021**



---

## Contents

---

<b>1</b>	<b>Installation</b>	<b>3</b>
<b>2</b>	<b>License</b>	<b>5</b>
<b>3</b>	<b>API</b>	<b>7</b>
<b>4</b>	<b>CLI Usage</b>	<b>9</b>
	<b>Python Module Index</b>	<b>11</b>
	<b>Index</b>	<b>13</b>



A CTY.DAT parser for modern amateur radio programs.



# CHAPTER 1

---

## Installation

---

ctyparser requires Python 3.6 at minimum. Install by running:

```
$ pip install ctyarser
```





## CHAPTER 2

---

### License

---

Copyright 2019-2020 classabbyamp, 0x5c

Released under the MIT License. See `LICENSE` for the full license text.



---

```

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.

```

---

**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

---

### CLI Usage

---

---

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

---

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

```
$ python3 -m ctyparser
```



**C**

`ctyparser`, [7](#)





## B

`BigCty` (*class in ctyparser*), 7

## C

`ctyparser` (*module*), 7

## D

`dump()` (*ctyparser.BigCty method*), 7

## F

`formatted_version` (*ctyparser.BigCty attribute*), 7

## I

`import_dat()` (*ctyparser.BigCty method*), 7

## L

`load()` (*ctyparser.BigCty method*), 7

## U

`update()` (*ctyparser.BigCty method*), 7

## V

`version` (*ctyparser.BigCty attribute*), 8