

COMTRADE PARSER DOCUMENTATION

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1 Introduction

A parser for cfg and dat files in comtrade spesification. Supported dat file format is binary.

2 Installation

No dependencies needed. Just include ComtradeParser from parser.js

```
const { ComtradeParser } = require("./utils/parser");
```

3 Usage

First read cfg and dat files as following

```
const cfg = fs.readFileSync('./data/file.cfg', 'utf8');
const dat = fs.readFileSync('./data/file.dat');
```

Then, create a new instance of ComtradeParser with cfg and dat files

```
try{
  const parser = new ComtradeParser(cfg, dat);
} catch (err){
  console.error(err.stack);
}
```

You can get pretty data with `.getPrettyData()` function from parser. Example code is:

```
const { ComtradeParser } = require("./src/parser");
const fs = require('fs');

const cfg = fs.readFileSync('./data/test3.cfg', 'utf8');
const dat = fs.readFileSync('./data/test3.dat');

try{
    const parser = new ComtradeParser(cfg, dat);
    let data = parser.getPrettyData();
    console.log(data)
} catch (err){
    console.error(err.stack);
}
```

4 Appendix

ComtradeParser has Configuration and Data member variables. You can display Configuration as follows:

```
const parser = new ComtradeParser(cfg, dat);
let parserConfig = parser.config;
console.log({parserConfig});
```