
Fortigate config parser Documentation

Release 0.1

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The project can be found on github: <<https://github.com/acidjunk/fortigate-config-parser>>

Contents:

About the Fortigate config parser

It's main function is to save parts of the config in a Object Oriented way.

The goal of the design is to make sure users of the classes can use dot notation when they have loaded one or more config file. It should feel comfortable for users that have experience with Fortigate configuration. A second goal is the ability to facilitate fortigate config parser projects without having a complete parser implementation yet. As the parser is a work in progress this will hopefully lead to a model where developers implement the (sub)parsers that they need, resulting in a complete parser.

Features

All parser classes inherit from Parser, which has the following functionality:

- ability to store unparsed config
- ability to return the stored config in a Fortinet compliant way
- ability to return config as a list, splitted by n
- ability to keep track of whether a sub parser is implemented
- some easy metrics

This makes it very easy to define Parser childs that 'sort of work' without really parsing the config. Writing more specialised classes, that really parse config, can be delegated to classes that we are interested in. This ensures a useful, and testable, parser at the start of the project which can gradually be refined and enriched during the project.

Note: When `self.parsed` is set to `True`; the parser will return parsed content instead of the unhandled stored config file content.

An example

A short example to demonstrate how to use it

```
with open('fortinet.conf') as f:
    config = f.read()
fortigate = ConfigParser(config)
fortigate.parse()
# from here on you can use the dot notation
```

```
zone_list = fortigate.global_section.  
zone_list = fortigate.vdom_sections['TEST_VDOM'].system_zone_section
```

Changelog

Version 0.0.6

- added docs
- prepared pypi packaging
- cleaned up

Indices and tables

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