
ymf

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Command-line tool that parses **YAML** from `stdin` and writes the parsed **YAML**, or a subset thereof, to `stdout`.

CHAPTER 1

Install

Install `ymlf` system-wide via the `pip`:

```
sudo pip install ymlf
```

Or install it at user-level via the `pip`:

```
pip install --user ymlf
```

Note: When doing user-level install, then include the `pip` binary install path in your `PATH` definition. For example `PATH="$PATH:$HOME/.local/bin"`

CHAPTER 2

Usage

Pipe a **YAML** file to `ymlf` and it will echo it back without comments, e.g.:

```
ymlf < samples/nvm_dev_info.yml
```

Yields:

```
dev_attr:
  bbts_cached: 0
  be_id: 1
  be_name: NVM_BE_IOCTL
  fd: 3
  mccap: '00000000000000000000000000000001'
  name: nvme0n1
  path: /dev/nvme0n1
  quirks: '00000101'
  ssw: 12
  verid: 2
dev_cmd_opts:
  addr: VECTOR
  iomd: SYNC
  mask: '000000000000000000000000110010000'
  plod: PRP
dev_geo:
  nbytes: 4096
  nbytes_oob: 16
  nchunk: 1474
  npugrp: 8
  npunit: 4
  nsectr: 6144
  tbytes: 1187021586432
  tmbytes: 1132032
  verid: 2
dev_lbaf:
  chunk: 11
```

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[illegible]

Pipe a **YAML** file to `yamlf` and provide an attribute filter, and it will echo only a subset of the parsed **YAML** back, e.g.:

```
ymlf dev_geo < samples/nvm_dev_info.yml
```

Yields:

```
nbytes: 4096
nbytes_oob: 16
nchunk: 1474
npugrp: 8
npunit: 4
nsectr: 6144
tbytes: 1187021586432
tbytes: 1132032
verid: 2
```

So, if you are looking for that one specific attribute, e.g. `dev_geo.npugrp`, then you can filter it by invoking:

```
ymlf dev_geo.npugrp < samples/nvm_dev_info.yml
```

Yielding:

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2.1 Error Handling

When **YAML** is parsed and filtered successfully then `yamlf` has exit code 0. On error, exit-code is non-zero and a **YAML** comment is output. For example, when attempting to get non-existing attribute `dev_geo.foo`:

```
ymlf dev_geo.foo < samples/nvm_dev_info.yml
```

Then exit code is 1, and the following will be written to `stdout`:

```
# invalid attr: 'dev_geo.foo'
```