
VarFish CLI Documentation

Release 0.6.3

Core Unit Bioinformatics

Jan 24, 2024

MANUAL

1	Installation	3
2	Credits	5
3	Changelog	7
4	License	13

`varfish-cli` is a Python-based command line interface to the [VarFish Server](#).

You can use it for the following tasks

- Listing information about projects, cases, etc. in the VarFish Server.
- Importing cases into VarFish based on their variant call files (VCFs) and quality reports.

This documentation will be expanded over time.

INSTALLATION

1.1 Using Pip

Install `varfish-cli` into a new virtualenv:

```
virtualenv venv
source venv/bin/activate
pip install varfish-cli
varfish-cli --help
```

1.2 Using Conda

You can install VarFish via [bioconda](#)

```
## OR use "conda" below instead of mamba
mamba create -y -n varfish-cli varfish-cli
conda activate varfish-cli
varfish-cli --help
```

1.3 Creating Configuration

You must create a configuration file at `~/.varfishrc.toml` with the URL to the server and the API token that you previously created. The following Bash snippet creates such a file:

... code-block:: bash

```
cat > ~/.varfishrc.toml <<EOF [global]

# URL to VarFish server. varfish_server_url = "https://varfish.example.com/" # API token to use for
VarFish API. varfish_api_token = "XXX" EOF
```

CHAPTER
TWO

CREDITS

- Manuel Holtgrewe
- Oliver Stolpe

CHANGELOG

3.1 0.6.3 (2024-01-24)

3.1.1 Bug Fixes

- write out `.sample_data` in `dragen-to-bam-qc` (#101) (#102) (638c294)

3.1.2 Documentation

- fix link to pypi in README (#97) (8f25193)

3.2 0.6.2 (2024-01-23)

3.2.1 Bug Fixes

- properly assign version in `release-please` (#91) (3037f7a)
- version for `release-please` in CI (#89) (2aedb64)

3.2.2 Documentation

- add pypi and bioconda badges (#96) (88c7f79)

3.3 0.6.1 (2024-01-23)

3.3.1 Continuous Integration

- install `setuptools` to fix “python sdist” in `release-please` (#87) (9b03c68)

3.4 0.6.0 (2024-01-23)

3.4.1 Features

- add “projects project-list” command (#50) (057abd5)
- conversion from DRAGEN QC to legacy varfish format (#85) (#86) (043dbc3)
- migrate argparse code to typer (#48) (#61) (d1c86d4)
- migration from attrs to pydantic (#49) (#65) (2c9e402)

3.4.2 Documentation

- installation instructions in manual (#69) (0afb87c)
- updating README, adding terraform docs (#68) (f6dd1bf)

3.5 0.5.3 (2023-07-17)

3.5.1 Features

- force release of 0.6 (#46) (f003be8)

3.5.2 Bug Fixes

- allow varfish upload without SV effects (#43) (4aead65)
- fixing issue with logging (ab62f24)

3.5.3 0.5.2 (2023-07-17)

3.5.4 Bug Fixes

- allow varfish upload without SV effects (#43) (4aead65)
- Fixing case list API (#37) (ccaccfc)

3.5.5 0.5.2 (2023-06-12)

3.5.6 Bug Fixes

- Fixing case list API (#37) (ccaccfc)

3.5.7 0.5.1 (2023-02-09)

3.5.8 Bug Fixes

- manifest for readme and changelog (#35) (f14d647)

3.6 0.5.0 (2023-02-09)

3.6.1 Features

- replace python-Levenshtein with polyleven (#26) (#32) (73703bd)

3.6.2 Documentation

- fixing CI status badge (#34) (9967bbd)

3.7 0.4.0

- Adding support for varannos REST API (#24).

3.8 0.3.5

- Allowing to upload per-case gene annotation file (#20).
- Adding client endpoint for retrieving case from API (#18).

3.9 0.3.4

- Adding support for latest varfish-annotator output for svsv (#16).

3.10 0.3.3

- Case importer distinguished smallvar and SV DB info files (#13).

3.11 0.3.2

- Fixing structuring/unstructuring of genomic region

3.12 0.3.1

- Allow disabling of `verify_ssl` in CLI

3.13 0.3.0

- Adding implementation of REST API (#7).

3.14 0.2.8

- Adding support to specify genome build on import (defaulting to GRCh37).

3.15 0.2.7

- Fix reading of non-compressed genotypes TSV file.

3.16 0.2.6

- Fixes to linting.

3.17 0.2.5

- Switching build system to Github Actions
- Adding many tests
- Fixing `verify_ssl` for case list.

3.18 0.2.4

- Added `--no-verify-ssl`.

3.19 0.2.3

- Added state field to `VariantSetImportInfo` class.
- Added endpoint for updating variant set import info.

3.20 0.2.2

- More MANIFEST.in fixes.

3.21 0.2.1

- Fixing package (MANIFEST.in).

3.22 0.2.0

- Adjusted to upstream REST API changes.
- Cases with all files can now be uploaded.

3.23 0.1.0

- everything is new

LICENSE

You can find the License of VarFish CLI below.

MIT License

Copyright (c) 2020-2023, Berlin Institute of Health, Manuel Holtgrewe

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.