

---

# template-formula Documentation

*Release latest*

May 01, 2021



---

## Contents

---

|          |   |           |
|----------|---|-----------|
| <b>1</b> | <b>TEMPLATE-formula</b>   | <b>1</b>  |
| 1.1      | General notes . . . . .   | 1         |
| 1.2      | Contributing to this repo . . . . .   | 2         |
| 1.3      | Special notes . . . . .   | 2         |
| 1.4      | Available states . . . . .  | 3         |
| 1.5      | Testing . . . . .   | 4         |
| <b>2</b> | <b>TOFS: A pattern for using SaltStack</b>                                  | <b>7</b>  |
| 2.1      | Usage of values in pillar vs templates in <code>file_roots</code> . . . . . | 8         |
| 2.2      | On the reusability of SaltStack state files . . . . .                       | 8         |
| 2.3      | The Template Override and Files Switch (TOFS) pattern . . . . .             | 8         |
| <b>3</b> | <b>Authors</b>  | <b>17</b> |
| <b>4</b> | <b>Changelog</b>  | <b>19</b> |
| 4.1      | 5.0.2 (2021-04-14) . . . . .  | 19        |
| 4.2      | 5.0.1 (2021-03-09) . . . . .  | 19        |
| 4.3      | 5.0.0 (2021-03-09) . . . . .  | 19        |
| 4.4      | 4.3.8 (2021-02-21) . . . . .  | 20        |
| 4.5      | 4.3.7 (2021-02-11) . . . . .  | 20        |
| 4.6      | 4.3.6 (2021-01-14) . . . . .  | 20        |
| 4.7      | 4.3.5 (2020-12-23) . . . . .  | 21        |
| 4.8      | 4.3.4 (2020-12-22) . . . . .  | 21        |
| 4.9      | 4.3.3 (2020-12-16) . . . . .  | 21        |
| 4.10     | 4.3.2 (2020-10-31) . . . . .  | 21        |
| 4.11     | 4.3.1 (2020-10-28) . . . . .  | 21        |
| 4.12     | 4.3.0 (2020-10-12) . . . . .  | 22        |
| 4.13     | 4.2.2 (2020-10-06) . . . . .  | 22        |
| 4.14     | 4.2.1 (2020-09-21) . . . . .  | 22        |
| 4.15     | 4.2.0 (2020-09-04) . . . . .  | 22        |
| 4.16     | 4.1.1 (2020-07-28) . . . . .  | 23        |
| 4.17     | 4.1.0 (2020-05-12) . . . . .  | 23        |
| 4.18     | 4.0.9 (2020-04-25) . . . . .  | 24        |
| 4.19     | 4.0.8 (2020-04-19) . . . . .  | 24        |
| 4.20     | 4.0.7 (2020-04-15) . . . . .  | 24        |
| 4.21     | 4.0.6 (2020-04-07) . . . . .  | 24        |
| 4.22     | 4.0.5 (2020-03-23) . . . . .  | 25        |

|      |                     |    |
|------|---------------------|----|
| 4.23 | 4.0.4 (2020-02-14)  | 25 |
| 4.24 | 4.0.3 (2020-01-27)  | 25 |
| 4.25 | 4.0.2 (2019-12-19)  | 25 |
| 4.26 | 4.0.1 (2019-12-17)  | 26 |
| 4.27 | 4.0.0 (2019-12-16)  | 26 |
| 4.28 | 3.3.4 (2019-11-27)  | 26 |
| 4.29 | 3.3.3 (2019-10-16)  | 27 |
| 4.30 | 3.3.2 (2019-10-08)  | 27 |
| 4.31 | 3.3.1 (2019-09-23)  | 28 |
| 4.32 | 3.3.0 (2019-08-27)  | 29 |
| 4.33 | 3.2.1 (2019-08-06)  | 29 |
| 4.34 | 3.2.0 (2019-08-03)  | 29 |
| 4.35 | 3.1.1 (2019-07-25)  | 30 |
| 4.36 | 3.1.0 (2019-07-24)  | 30 |
| 4.37 | 3.0.9 (2019-07-24)  | 31 |
| 4.38 | 3.0.8 (2019-07-08)  | 31 |
| 4.39 | 3.0.7 (2019-07-04)  | 31 |
| 4.40 | 3.0.6 (2019-06-28)  | 31 |
| 4.41 | 3.0.5 (2019-06-28)  | 31 |
| 4.42 | 3.0.4 (2019-06-27)  | 32 |
| 4.43 | 3.0.3 (2019-06-25)  | 32 |
| 4.44 | 3.0.2 (2019-06-20)  | 32 |
| 4.45 | 3.0.1 (2019-06-16)  | 32 |
| 4.46 | 3.0.0 (2019-06-13)  | 32 |
| 4.47 | 2.2.1 (2019-05-31)  | 33 |
| 4.48 | 2.2.0 (2019-05-31)  | 33 |
| 4.49 | 2.1.18 (2019-05-29) | 33 |
| 4.50 | 2.1.17 (2019-05-27) | 33 |
| 4.51 | 2.1.16 (2019-05-27) | 33 |
| 4.52 | 2.1.15 (2019-05-25) | 33 |
| 4.53 | 2.1.14 (2019-05-25) | 34 |
| 4.54 | 2.1.13 (2019-05-24) | 34 |
| 4.55 | 2.1.12 (2019-05-24) | 34 |
| 4.56 | 2.1.11 (2019-05-18) | 34 |
| 4.57 | 2.1.10 (2019-05-16) | 34 |
| 4.58 | 2.1.9 (2019-05-16)  | 34 |
| 4.59 | 2.1.8 (2019-05-16)  | 35 |
| 4.60 | 2.1.7 (2019-05-15)  | 35 |
| 4.61 | 2.1.6 (2019-05-15)  | 35 |
| 4.62 | 2.1.5 (2019-05-15)  | 35 |
| 4.63 | 2.1.4 (2019-05-15)  | 35 |
| 4.64 | 2.1.3 (2019-05-13)  | 35 |
| 4.65 | 2.1.2 (2019-05-13)  | 36 |
| 4.66 | 2.1.1 (2019-05-13)  | 36 |
| 4.67 | 2.1.0 (2019-05-12)  | 36 |
| 4.68 | 2.0.6 (2019-05-02)  | 36 |
| 4.69 | 2.0.5 (2019-04-30)  | 36 |
| 4.70 | 2.0.4 (2019-04-27)  | 36 |
| 4.71 | 2.0.3 (2019-04-24)  | 37 |
| 4.72 | 2.0.2 (2019-04-22)  | 37 |
| 4.73 | 2.0.1 (2019-03-25)  | 37 |
| 4.74 | 2.0.0 (2019-03-24)  | 37 |
| 4.75 | 1.2.6 (2019-03-24)  | 38 |
| 4.76 | 1.2.5 (2019-03-23)  | 38 |

|       |                    |    |
|-------|--------------------|----|
| 4.77  | 1.2.4 (2019-03-22) | 38 |
| 4.78  | 1.2.3 (2019-03-13) | 38 |
| 4.79  | 1.2.2 (2019-03-09) | 38 |
| 4.80  | 1.2.1 (2019-03-07) | 39 |
| 4.81  | 1.2.0 (2019-03-03) | 39 |
| 4.82  | 1.1.2 (2019-03-03) | 39 |
| 4.83  | 1.1.1 (2019-03-01) | 39 |
| 4.84  | 1.1.0 (2019-03-01) | 40 |
| 4.85  | 1.0.1 (2019-03-01) | 40 |
| 4.86  | 1.0.0 (2019-02-28) | 40 |
| 4.87  | 0.7.6 (2019-02-27) | 41 |
| 4.88  | 0.7.5 (2019-02-27) | 42 |
| 4.89  | 0.7.4 (2019-02-27) | 42 |
| 4.90  | 0.7.3 (2019-02-25) | 42 |
| 4.91  | 0.7.2 (2019-02-24) | 43 |
| 4.92  | 0.7.1 (2019-02-24) | 43 |
| 4.93  | 0.7.0 (2019-02-23) | 43 |
| 4.94  | 0.6.0 (2019-02-23) | 43 |
| 4.95  | 0.5.0 (2019-02-23) | 44 |
| 4.96  | 0.4.0 (2019-02-23) | 44 |
| 4.97  | 0.3.6 (2019-02-22) | 44 |
| 4.98  | 0.3.5 (2019-02-21) | 44 |
| 4.99  | 0.3.4 (2019-02-21) | 45 |
| 4.100 | 0.3.3 (2019-02-20) | 45 |
| 4.101 | 0.3.2 (2019-02-20) | 45 |
| 4.102 | 0.3.1 (2019-02-20) | 45 |
| 4.103 | 0.3.0 (2019-02-20) | 45 |
| 4.104 | 0.2.0 (2019-02-17) | 45 |
| 4.105 | 0.1.7 (2019-02-16) | 45 |
| 4.106 | 0.1.6 (2019-02-16) | 46 |
| 4.107 | 0.1.5 (2019-02-15) | 46 |
| 4.108 | 0.1.4 (2019-02-15) | 46 |
| 4.109 | 0.1.3 (2019-02-12) | 46 |
| 4.110 | 0.1.2 (2019-02-12) | 46 |
| 4.111 | 0.1.1 (2019-02-10) | 46 |
| 4.112 | 0.1.0 (2019-02-10) | 47 |
| 4.113 | 0.0.9 (2019-02-10) | 47 |
| 4.114 | 0.0.8 (2019-02-10) | 48 |
| 4.115 | 0.0.7 (2019-02-10) | 48 |
| 4.116 | 0.0.6 (2019-02-10) | 48 |
| 4.117 | 0.0.5 (2019-02-10) | 48 |
| 4.118 | 0.0.4 (2019-02-10) | 48 |
| 4.119 | 0.0.3 (2019-02-10) | 48 |
| 4.120 | 0.0.2 (2019-02-10) | 49 |
| 4.121 | 0.0.1 (2019-02-10) | 49 |



---

## TEMPLATE-formula

---

A SaltStack formula that is empty. It has dummy content to help with a quick start on a new formula and it serves as a style guide.

### Table of Contents

- *TEMPLATE-formula*

## 1.1 General notes

See the full [SaltStack Formulas installation and usage instructions](#).

If you are interested in writing or contributing to formulas, please pay attention to the [Writing Formula Section](#).

If you want to use this formula, please pay attention to the `FORMULA` file and/or `git tag`, which contains the currently released version. This formula is versioned according to [Semantic Versioning](#).

See [Formula Versioning Section](#) for more details.

If you need (non-default) configuration, please refer to:

- [how to configure the formula with `map.jinja`](#)
- the `pillar.example` file
- the *Special notes* section

## 1.2 Contributing to this repo

### 1.2.1 Commit messages

**Commit message formatting is significant!!**

Please see [How to contribute](#) for more details.

### 1.2.2 pre-commit

`pre-commit` is configured for this formula, which you may optionally use to ease the steps involved in submitting your changes. First install the `pre-commit` package manager using the appropriate [method](#), then run `bin/install-hooks` and now `pre-commit` will run automatically on each `git commit`.

```
$ bin/install-hooks
pre-commit installed at .git/hooks/pre-commit
pre-commit installed at .git/hooks/commit-msg
```

## 1.3 Special notes

### 1.3.1 Using this template

The easiest way to use this template formula as a base for a new formula is to use GitHub's **Use this template** button to create a new repository. For consistency with the rest of the formula ecosystem, name your formula repository following the pattern `<formula theme>-formula`, where `<formula theme>` consists of lower-case alphabetic characters, numbers, '-' or '\_

In the rest of this example we'll use `example` as the `<formula theme>`.

Follow these steps to complete the conversion from `template-formula` to `example-formula`.

```
$ git clone git@github.com:YOUR-USERNAME/example-formula.git
$ cd example-formula/
$ bin/convert-formula.sh example
$ git push --force
```

Alternatively, it's possible to clone `template-formula` into a new repository and perform the conversion there. For example:

```
$ git clone https://github.com/saltstack-formulas/template-formula example-formula
$ cd example-formula/
$ bin/convert-formula.sh example
```

To take advantage of [semantic-release](#) for automated changelog generation and release tagging, you will need a GitHub [Personal Access Token](#) with at least the **public\_repo** scope.

In the Travis repository settings for your new repository, create an [environment variable](#) named `GH_TOKEN` with the personal access token as value, restricted to the `master` branch for security.

Note that this repository uses a [CODEOWNERS](#) file to assign ownership to various parts of the formula. The conversion process removes overall ownership, but you should consider assigning ownership to yourself or your organisation when contributing your new formula to the `saltstack-formulas` organisation.



## 1.4 Available states

- `TEMPLATE`
- `TEMPLATE.package`
- `TEMPLATE.config`
- `TEMPLATE.service`
- `TEMPLATE.clean`
- `TEMPLATE.service.clean`
- `TEMPLATE.config.clean`
- `TEMPLATE.package.clean`
- `TEMPLATE.subcomponent`
- `TEMPLATE.subcomponent.config`
- `TEMPLATE.subcomponent.config.clean`

### 1.4.1 `TEMPLATE`

*Meta-state (This is a state that includes other states).*

This installs the `TEMPLATE` package, manages the `TEMPLATE` configuration file and then starts the associated `TEMPLATE` service.

### 1.4.2 `TEMPLATE.package`

This state will install the `TEMPLATE` package only.

### 1.4.3 `TEMPLATE.config`

This state will configure the `TEMPLATE` service and has a dependency on `TEMPLATE.install` via include list.

### 1.4.4 `TEMPLATE.service`

This state will start the `TEMPLATE` service and has a dependency on `TEMPLATE.config` via include list.

### 1.4.5 `TEMPLATE.clean`

*Meta-state (This is a state that includes other states).*

this state will undo everything performed in the `TEMPLATE` meta-state in reverse order, i.e. stops the service, removes the configuration file and then uninstalls the package.

### 1.4.6 `TEMPLATE.service.clean`

This state will stop the `TEMPLATE` service and disable it at boot time.

### 1.4.7 `TEMPLATE.config.clean`

This state will remove the configuration of the `TEMPLATE` service and has a dependency on `TEMPLATE.service.clean` via include list.

### 1.4.8 `TEMPLATE.package.clean`

This state will remove the `TEMPLATE` package and has a dependency on `TEMPLATE.config.clean` via include list.

### 1.4.9 `TEMPLATE.subcomponent`

*Meta-state (This is a state that includes other states).*

This state installs a subcomponent configuration file before configuring and starting the `TEMPLATE` service.

### 1.4.10 `TEMPLATE.subcomponent.config`

This state will configure the `TEMPLATE` subcomponent and has a dependency on `TEMPLATE.config` via include list.

### 1.4.11 `TEMPLATE.subcomponent.config.clean`

This state will remove the configuration of the `TEMPLATE` subcomponent and reload the `TEMPLATE` service by a dependency on `TEMPLATE.service.running` via include list and `watch_in` requisite.

## 1.5 Testing

Linux testing is done with `kitchen-salt`.

### 1.5.1 Requirements

- Ruby
- Docker

```
$ gem install bundler
$ bundle install
$ bin/kitchen test [platform]
```

Where `[platform]` is the platform name defined in `kitchen.yml`, e.g. `debian-9-2019-2-py3`.

### 1.5.2 `bin/kitchen converge`

Creates the docker instance and runs the `TEMPLATE` main state, ready for testing.

### 1.5.3 `bin/kitchen verify`

Runs the `inspect` tests on the actual instance.

### 1.5.4 `bin/kitchen destroy`

Removes the docker instance.

### 1.5.5 `bin/kitchen test`

Runs all of the stages above in one go: i.e. `destroy + converge + verify + destroy`.

### 1.5.6 `bin/kitchen login`

Gives you SSH access to the instance for manual testing.



---

### TOFS: A pattern for using SaltStack

---

|             | Person          | Contact  | Date       |
|-------------|-----------------|--|------------|
| Authored by | Roberto Moreda  | <a href="mailto:moreda@allenta.com">moreda@allenta.com</a>                     | 29/12/2014 |
| Modified by | Daniel Dehennin | <a href="mailto:daniel.dehennin@baby-gnu.org">daniel.dehennin@baby-gnu.org</a> | 07/02/2019 |
| Modified by | Imran Iqbal     | <a href="https://github.com/myii">https://github.com/myii</a>                  | 23/02/2019 |

All that follows is a proposal based on my experience with [SaltStack](#). The good thing of a piece of software like this is that you can “bend it” to suit your needs in many possible ways, and this is one of them. All the recommendations and thoughts are given “as it is” with no warranty of any type.

#### Table of Contents

- *TOFS: A pattern for using SaltStack*
  - *Usage of values in pillar vs templates in file\_roots*
  - *On the reusability of SaltStack state files*
  - *The Template Override and Files Switch (TOFS) pattern*
    - \* *Example: NTP before applying TOFS*
    - \* *Template Override*
    - \* *Files Switch*
    - \* *Using the files\_switch macro*
    - \* *How to customise the source further*
      - *Customise files*
      - *Customise the use of grains*
      - *Customise the default path*
      - *Customise the list of source\_files*

\* *Using sub-directories for components*

## 2.1 Usage of values in pillar vs templates in `file_roots`

Among other functions, the *master* (or *salt-master*) serves files to the *minions* (or *salt-minions*). The `file_roots` is the list of directories used in sequence to find a file when a minion requires it: the first match is served to the minion. Those files could be [state files](#) or configuration templates, among others.

Using SaltStack is a simple and effective way to implement configuration management, but even in a [non-multitenant](#) scenario, it is not a good idea to generally access some data (e.g. the database password in our [Zabbix](#) server configuration file or the private key of our [Nginx](#) TLS certificate).

To avoid this situation we can use the [pillar mechanism](#), which is designed to provide controlled access to data from the minions based on some selection rules. As pillar data could be easily integrated in the [Jinja](#) templates, it is a good mechanism to store values to be used in the final rendering of state files and templates.

There are a variety of approaches on the usage of pillar and templates as seen in the [saltstack-formulas](#)' repositories. [Some developments](#) stress the initial purpose of pillar data into a storage for most of the possible variables for a determined system configuration. This, in my opinion, is shifting too much load from the original template files approach. Adding up some [non-trivial Jinja](#) code as essential part of composing the state file definitely makes SaltStack state files (hence formulas) more difficult to read. The extreme of this approach is that we could end up with a new render mechanism, implemented in Jinja, storing everything needed in pillar data to compose configurations. Additionally, we are establishing a strong dependency with the Jinja renderer.

In opposition to the *put the code in file\_roots and the data in pillars* approach, there is the *pillar as a store for a set of key-values* approach. A full-blown configuration file abstracted in pillar and jinja is complicated to develop, understand and maintain. I think a better and simpler approach is to keep a configuration file templated using just a basic (non-extensive but extensible) set of pillar values.

## 2.2 On the reusability of SaltStack state files

There is a brilliant initiative of the SaltStack community called [salt-formulas](#). Their goal is to provide state files, pillar examples and configuration templates ready to be used for provisioning. I am a contributor for two small ones: [zabbix-formula](#) and [varnish-formula](#).

The [design guidelines](#) for formulas are clear in many aspects and it is a recommended reading for anyone willing to write state files, even non-formulaic ones.

In the next section, I am going to describe my proposal to extend further the reusability of formulas, suggesting some patterns of usage.

## 2.3 The Template Override and Files Switch (TOFS) pattern

I understand a formula as a **complete, independent set of SaltStack state and configuration template files sufficient to configure a system**. A system could be something as simple as an NTP server or some other much more complex service that requires many state and configuration template files.

The customization of a formula should be done mainly by providing pillar data used later to render either the state or the configuration template files.

### 2.3.1 Example: NTP before applying TOFS

Let's work with the NTP example. A basic formula that follows the [design guidelines](#) has the following files and directories tree:

```
/srv/saltstack/salt-formulas/ntp-saltstack-formula/
ntp/
  map.jinja
  init.sls
  conf.sls
  files/
    default/
      etc/
        ntp.conf.jinja
```

In order to use it, let's assume a [masterless configuration](#) and this relevant section of `/etc/salt/minion`:

```
pillar_roots:
  base:
    - /srv/saltstack/pillar
file_client: local
file_roots:
  base:
    - /srv/saltstack/salt
    - /srv/saltstack/salt-formulas/ntp-saltstack-formula
```

```
{%- /srv/saltstack/salt-formulas/ntp-saltstack-formula/ntp/map.jinja #}
{%- set ntp = salt['grains.filter_by']({
  'default': {
    'pkg': 'ntp',
    'service': 'ntp',
    'config': '/etc/ntp.conf',
  },
}, merge=salt['pillar.get']('ntp:lookup')) %}
```

In `init.sls` we have the minimal states required to have NTP configured. In many cases `init.sls` is almost equivalent to an `apt-get install` or a `yum install` of the package.

```
## /srv/saltstack/salt-formulas/ntp-saltstack-formula/ntp/init.sls
{%- from 'ntp/map.jinja' import ntp with context %}

Install NTP:
pkg.installed:
  - name: {{ ntp.pkg }}

Enable and start NTP:
service.running:
  - name: {{ ntp.service }}
  - enabled: True
  - require:
    - pkg: Install NTP package
```

In `conf.sls` we have the configuration states. In most cases, that is just managing configuration file templates and making them to be watched by the service.

```
## /srv/saltstack/salt-formulas/ntp-saltstack-formula/ntp/conf.sls
include:
```

(continues on next page)

(continued from previous page)

```

- ntp

{%- from 'ntp/map.jinja' import ntp with context %}

Configure NTP:
  file.managed:
    - name: {{ ntp.config }}
    - template: jinja
    - source: salt://ntp/files/default/etc/ntp.conf.jinja
    - watch_in:
      - service: Enable and start NTP service
    - require:
      - pkg: Install NTP package

```

Under files/default, there is a structure that mimics the one in the minion in order to avoid clashes and confusion on where to put the needed templates. There you can find a mostly standard template for the configuration file.

```

{%- /srv/saltstack/salt-formulas/ntp-saltstack-formula/ntp/files/default/etc/ntp.conf.
↪ jinja %}
{%- Managed by saltstack %}
{%- Edit pillars or override this template in saltstack if you need customization %}
{%- set settings = salt['pillar.get']('ntp', {}) %}
{%- set default_servers = ['0.ubuntu.pool.ntp.org',
                           '1.ubuntu.pool.ntp.org',
                           '2.ubuntu.pool.ntp.org',
                           '3.ubuntu.pool.ntp.org'] %}

driftfile /var/lib/ntp/ntp.drift
statistics loopstats peerstats clockstats
filegen loopstats file loopstats type day enable
filegen peerstats file peerstats type day enable
filegen clockstats file clockstats type day enable

{%- for server in settings.get('servers', default_servers) %}
server {{ server }}
{%- endfor %}

restrict -4 default kod notrap nomodify nopeer noquery
restrict -6 default kod notrap nomodify nopeer noquery

restrict 127.0.0.1
restrict ::1

```

With all this, it is easy to install and configure a simple NTP server by just running `salt-call state.sls ntp.conf`: the package will be installed, the service will be running and the configuration should be correct for most of cases, even without pillar data.

Alternatively, you can define a highstate in `/srv/saltstack/salt/top.sls` and run `salt-call state.highstate`.

```

## /srv/saltstack/salt/top.sls
base:
  '*':
    - ntp.conf

```

Customizing the formula just with pillar data, we have the option to define the NTP servers.



```
## /srv/saltstack/pillar/top.sls
base:
  '*':
    - ntp
```

```
## /srv/saltstack/pillar/ntp.sls
ntp:
  servers:
    - 0.ch.pool.ntp.org
    - 1.ch.pool.ntp.org
    - 2.ch.pool.ntp.org
    - 3.ch.pool.ntp.org
```

### 2.3.2 Template Override

If the customization based on pillar data is not enough, we can override the template by creating a new one in `/srv/saltstack/salt/ntp/files/default/etc/ntp.conf.jinja`

```
{%- /srv/saltstack/salt/ntp/files/default/etc/ntp.conf.jinja %}
{%- Managed by saltstack %}
{%- Edit pillars or override this template in saltstack if you need customization %}

{%- Some bizarre configurations here %}
{%- ... %}

{%- for server in settings.get('servers', default_servers) %}
server {{ server }}
{%- endfor %}
```

This way we are locally **overriding the template files** offered by the formula in order to make a more complex adaptation. Of course, this could be applied as well to any of the files, including the state files.

### 2.3.3 Files Switch

To bring some order into the set of template files included in a formula, as we commented, we suggest having a similar structure to a normal final file system under `files/default`.

We can make different templates coexist for different minions, classified by any `grain` value, by simply creating new directories under `files`. This mechanism is based on **using values of some grains as a switch for the directories under files/**.

If we decide that we want `os_family` as switch, then we could provide the formula template variants for both the RedHat and Debian families.

```
/srv/saltstack/salt-formulas/ntp-saltstack-formula/ntp/files/
default/
  etc/
    ntp.conf.jinja
RedHat/
  etc/
    ntp.conf.jinja
Debian/
  etc/
    ntp.conf.jinja
```

To make this work we need a `conf.sls` state file that takes a list of possible files as the configuration template.

```
## /srv/saltstack/salt-formulas/ntp-saltstack-formula/ntp/conf.sls
include:
  - ntp

{%- from 'ntp/map.jinja' import ntp with context %}

Configure NTP:
  file.managed:
    - name: {{ ntp.config }}
    - template: jinja
    - source:
      - salt://ntp/files/{{ grains.get('os_family', 'default') }}/etc/ntp.conf.jinja
      - salt://ntp/files/default/etc/ntp.conf.jinja
    - watch_in:
      - service: Enable and start NTP service
    - require:
      - pkg: Install NTP package
```

If we want to cover the possibility of a special template for a minion identified by `node01` then we could have a specific template in `/srv/saltstack/salt/ntp/files/node01/etc/ntp.conf.jinja`.

```
{%- /srv/saltstack/salt/ntp/files/node01/etc/ntp.conf.jinja #}
{%- Managed by saltstack #}
{%- Edit pillars or override this template in saltstack if you need customization #}

{%- Some crazy configurations here for node01 #}
{%- ... #}
```

To make this work we could write a specially crafted `conf.sls`.

```
## /srv/saltstack/salt-formulas/ntp-saltstack-formula/ntp/conf.sls
include:
  - ntp

{%- from 'ntp/map.jinja' import ntp with context %}

Configure NTP:
  file.managed:
    - name: {{ ntp.config }}
    - template: jinja
    - source:
      - salt://ntp/files/{{ grains.get('id') }}/etc/ntp.conf.jinja
      - salt://ntp/files/{{ grains.get('os_family') }}/etc/ntp.conf.jinja
      - salt://ntp/files/default/etc/ntp.conf.jinja
    - watch_in:
      - service: Enable and start NTP service
    - require:
      - pkg: Install NTP package
```

## 2.3.4 Using the `files_switch` macro

We can simplify the `conf.sls` with the new `files_switch` macro to use in the `source` parameter for the `file.managed` state.

```
## /srv/saltstack/salt-formulas/ntp-saltstack-formula/ntp/conf.sls
include:
  - ntp

{%- set tplroot = tpldir.split('/')[0] %}
{%- from 'ntp/map.jinja' import ntp with context %}
{%- from 'ntp/libtofs.jinja' import files_switch %}

Configure NTP:
  file.managed:
    - name: {{ ntp.config }}
    - template: jinja
    - source: {{ files_switch(['/etc/ntp.conf.jinja'],
                             lookup='Configure NTP'
                             )
              }}
    - watch_in:
      - service: Enable and start NTP service
    - require:
      - pkg: Install NTP package
```

- This uses `config.get`, searching for `ntp:tofs:source_files:Configure NTP` to determine the list of template files to use.
- If this returns a result, the default of `['/etc/ntp.conf.jinja']` will be appended to it.
- If this does not yield any results, the default of `['/etc/ntp.conf.jinja']` will be used.

In `libtofs.jinja`, we define this new macro `files_switch`.

### 2.3.5 How to customise the source further

The examples below are based on an Ubuntu minion called `theminion` being configured via `pillar`.

Using the default settings of the `files_switch` macro above, the source will be:

```
- source:
  - salt://ntp/files/theminion/etc/ntp.conf.jinja
  - salt://ntp/files/Debian/etc/ntp.conf.jinja
  - salt://ntp/files/default/etc/ntp.conf.jinja
```

#### Customise files

The files portion can be customised:

```
ntp:
  tofs:
    dirs:
      files: files_alt
```

Resulting in:

```
- source:
  - salt://ntp/files_alt/theminion/etc/ntp.conf.jinja
  - salt://ntp/files_alt/Debian/etc/ntp.conf.jinja
  - salt://ntp/files_alt/default/etc/ntp.conf.jinja
```

## Customise the use of grains

Grains can be customised and even arbitrary paths can be supplied:

```
ntp:
  tofs:
    files_switch:
      - any/path/can/be/used/here
      - id
      - os
      - os_family
```

Resulting in:

```
- source:
  - salt://ntp/files/any/path/can/be/used/here/etc/ntp.conf.jinja
  - salt://ntp/files/theminion/etc/ntp.conf.jinja
  - salt://ntp/files/Ubuntu/etc/ntp.conf.jinja
  - salt://ntp/files/Debian/etc/ntp.conf.jinja
  - salt://ntp/files/default/etc/ntp.conf.jinja
```

## Customise the default path

The default portion of the path can be customised:

```
ntp:
  tofs:
    dirs:
      default: default_alt
```

Resulting in:

```
- source:
  ...
  - salt://ntp/files/default_alt/etc/ntp.conf.jinja
```

## Customise the list of source\_files

The list of source\_files can be given:

```
ntp:
  tofs:
    source_files:
      Configure NTP:
        - '/etc/ntp.conf_alt.jinja'
```

Resulting in:

```
- source:
  - salt://ntp/files/theminion/etc/ntp.conf_alt.jinja
  - salt://ntp/files/theminion/etc/ntp.conf.jinja
  - salt://ntp/files/Debian/etc/ntp.conf_alt.jinja
  - salt://ntp/files/Debian/etc/ntp.conf.jinja
  - salt://ntp/files/default/etc/ntp.conf_alt.jinja
  - salt://ntp/files/default/etc/ntp.conf.jinja
```

Note: This does *not* override the default value. Rather, the value from the pillar/config is prepended to the default.

### 2.3.6 Using sub-directories for components

If your formula is composed of several components, you may prefer to provides files under sub-directories, like in the [systemd-formula](#).

```
/srv/saltstack/systemd-formula/
systemd/
  init.sls
  libtofs.jinja
  map.jinja
  networkd/
    init.sls
    files/
      default/
        network/
          99-default.link
  resolved/
    init.sls
    files/
      default/
        resolved.conf
  timesyncd/
    init.sls
    files/
      Arch/
        resolved.conf
      Debian/
        resolved.conf
      default/
        resolved.conf
      Ubuntu/
        resolved.conf
```

For example, the following `formula.component.config SLS`:

```
{%- from "formula/libtofs.jinja" import files_switch with context %}

formula configuration file:
file.managed:
- name: /etc/formula.conf
- user: root
- group: root
- mode: 644
- template: jinja
- source: {{ files_switch(['formula.conf'],
                           lookup='formula',
                           use_subpath=True
                           )
}}
}}
```

will be rendered on a Debian minion named `salt-formula.ci.local` as:

```
formula configuration file:
file.managed:
- name: /etc/formula.conf
```

(continues on next page)

(continued from previous page)

```
- user: root
- group: root
- mode: 644
- template: jinja
- source:
  - salt://formula/component/files/salt-formula.ci.local/formula.conf
  - salt://formula/component/files/Debian/formula.conf
  - salt://formula/component/files/default/formula.conf
  - salt://formula/files/salt-formula.ci.local/formula.conf
  - salt://formula/files/Debian/formula.conf
  - salt://formula/files/default/formula.conf
```

## CHAPTER 3

---

### Authors

---

This list is sorted by the number of commits per contributor in *descending* order.

| Avatar | Contributor     | Contributions |
|--------|-----------------|---------------|
|        | @myii           | 319           |
|        | @baby-gnu       | 37            |
|        | @dafyddj        | 32            |
|        | @aboe76         | 27            |
|        | @javierbertoli  | 18            |
|        | @noelmcloughlin | 15            |
|        | @n-rodriguez    | 8             |
|        | @daks           | 8             |
|        | @gravyboat      | 6             |
|        | @alxwr          | 5             |
|        | @evvers         | 4             |
|        | @nmadhok        | 3             |
|        | @vutny          | 2             |
|        | @k-hamza        | 2             |
|        | @puneetk        | 2             |
|        | @andygabby      | 1             |
|        | @Jokipii        | 1             |
|        | @johnkeates     | 1             |
|        | @duk3luk3       | 1             |
|        | @marco-m        | 1             |
|        | @whiteinge      | 1             |
|        | @sroegner       | 1             |
|        | @babilen5       | 1             |
|        | @GMAzrael       | 1             |

---

Auto-generated by a [forked version](#) of [gaocegege/maintainer](#) on 2021-04-14.

---





### 4.1 5.0.2 (2021-04-14)

#### 4.1.1 Bug Fixes

- **convert-formula.sh:** replace instances of `template-formula` for CI ([537fe65](#)), closes #231

#### 4.1.2 Tests

- standardise use of `share suite` & `_mapdata state [skip ci]` ([bbe1c78](#))

### 4.2 5.0.1 (2021-03-09)

#### 4.2.1 Bug Fixes

- **convert-formula:** `_mapdata` control name must use the formula one ([1f3600d](#))

### 4.3 5.0.0 (2021-03-09)

#### 4.3.1 Bug Fixes

- **inspec:** validate `map.jinja` configuration ([41d222e](#))

#### 4.3.2 Continuous Integration

- **kitchen+ci:** use latest pre-salted images (after CVE) [skip ci] ([6453145](#))

### 4.3.3 Features

- **map:** update to v5 `map.jinja` (42e1932)

### 4.3.4 BREAKING CHANGES

- **map:** `map.jinja` now exports a generic `mapdata` variable
- **map:** The per grain parameter values are now under `TEMPLATE/parameters/`

## 4.4 4.3.8 (2021-02-21)

### 4.4.1 Continuous Integration

- **gemfile+lock:** use `ssf customised kitchen-docker` repo [skip ci] (23c2bb2)
- **kitchen+gitlab-ci:** use latest pre-salted images [skip ci] (00823a2)

### 4.4.2 Tests

- **\_mapdata:** add verification files for Fedora 33 & Tumbleweed (3347b85)

## 4.5 4.3.7 (2021-02-11)

### 4.5.1 Continuous Integration

- **pre-commit:** update hook for `rubocop` [skip ci] (978a7e7)

### 4.5.2 Styles

- **inspec:** match current practices for file and control names (aa8a58b)

### 4.5.3 Tests

- **share:** standardise with latest changes [skip ci] (dab2f34)

## 4.6 4.3.6 (2021-01-14)

### 4.6.1 Bug Fixes

- **\_mapdata:** ensure map data is directly under `values` (bcb8e29)

### 4.6.2 Tests

- **\_mapdata:** update for `_mapdata/init.sls` change (50162ad)

## 4.7 4.3.5 (2020-12-23)

### 4.7.1 Code Refactoring

- **map:** use top-level `values : key` in `map.jinja` dumps (f8e8fcb)

## 4.8 4.3.4 (2020-12-22)

### 4.8.1 Continuous Integration

- **commitlint:** ensure `upstream/master` uses main repo URL [skip ci] (e476d5a)
- **gitlab-ci:** add `rubocop` linter (with `allow_failure`) [skip ci] (4c300d0)

### 4.8.2 Tests

- **\_mapdata:** fix existing verification files (6bbafed)
- **map:** standardise `map.jinja` verification (4c8cf32)

## 4.9 4.3.3 (2020-12-16)

### 4.9.1 Bug Fixes

- **codeowners:** ensure `lib*` files are owned by `ssf` (d60cc15)

### 4.9.2 Continuous Integration

- **gitlab-ci:** use GitLab CI as Travis CI replacement (0403f62)

## 4.10 4.3.2 (2020-10-31)

### 4.10.1 Bug Fixes

- **convert-formula.sh:** add `-_` to allowed chars in formula name (a999fee)
- **convert-formula.sh:** delete all existing tags (7c33601), closes #210

## 4.11 4.3.1 (2020-10-28)

### 4.11.1 Tests

- **inspec:** `system.rb` must call parent class initialisation (1ff9ab1)

## 4.12 4.3.0 (2020-10-12)

### 4.12.1 Continuous Integration

- **pre-commit:** finalise `rstcheck` configuration [skip ci] ([e78aa0c](#))

### 4.12.2 Features

- add Gentoo support ([4c2f4ed](#))

## 4.13 4.2.2 (2020-10-06)

### 4.13.1 Bug Fixes

- **commitlint:** fix header length at 72 chars as agreed ([a95061d](#))

### 4.13.2 Continuous Integration

- **pre-commit:** add to formula [skip ci] ([fd89d62](#))
- **pre-commit:** enable/disable `rstcheck` as relevant [skip ci] ([219e6b7](#))

## 4.14 4.2.1 (2020-09-21)

### 4.14.1 Continuous Integration

- **kitchen+travis:** use `tiamat` pre-salted images ([3a63304](#))

### 4.14.2 Tests

- **oracle:** add InSpec configuration for `oraclelinux` ([c4b66d8](#))
- **share:** remove unnecessary hostname mangling ([194aa97](#))

## 4.15 4.2.0 (2020-09-04)

### 4.15.1 Continuous Integration

- **kitchen:** execute `__metadata` state ([31e1096](#))
- **kitchen+travis:** fix `centos6` suite and rename to `upstart` ([97309c6](#))

### 4.15.2 Features

- **map:** generate a YAML file to validate `map.jinja` ([fc90075](#))

### 4.15.3 Tests

- **inspect:** share library to access some minion informations (64c2b6c)
- **inspect:** verify `map.jinja dump` (3dc28bf)
- **platform\_finger:** extract from shared library (d68ed45)

## 4.16 4.1.1 (2020-07-28)

### 4.16.1 Continuous Integration

- **kitchen:** use saltimages Docker Hub where available [skip ci] (eab21c3)
- **kitchen+travis:** add new platforms [skip ci] (111a20b)
- **kitchen+travis:** adjust matrix to add 3000.3 [skip ci] (19ae826)
- **travis:** add notifications => zulip [skip ci] (ac93ad8)
- **travis:** run linters using `pre-commit` (6da26cc)

### 4.16.2 Documentation

- add basic `pre-commit` usage instructions (c78c068)
- fix whitespace (d98d98f)

### 4.16.3 Styles

- **libtofs.jinja:** use Black-inspired Jinja formatting [skip ci] (55bc69a)

## 4.17 4.1.0 (2020-05-12)

### 4.17.1 Continuous Integration

- **kitchen+travis:** adjust matrix to add 3000.2 & remove 2018.3 [skip ci] (efd8797)
- **kitchen+travis:** remove `master-py2-arch-base-latest` [skip ci] (d693f9d)
- **workflows/commitlint:** add to repo [skip ci] (574d18f)

### 4.17.2 Features

- **convert-formula.sh:** assign @NONE as whole-formula owner (cceffff)

## 4.18 4.0.9 (2020-04-25)

### 4.18.1 Continuous Integration

- **gemfile.lock**: add to repo with updated Gemfile [skip ci] (d798928)

### 4.18.2 Documentation

- **readme**: show only one level in table of contents (446b815)

## 4.19 4.0.8 (2020-04-19)

### 4.19.1 Bug Fixes

- **libsaltcli**: update salt-ssh detection for enable\_ssh\_minions (f0e7192)

## 4.20 4.0.7 (2020-04-15)

### 4.20.1 Bug Fixes

- **convert-formula.sh**: use portable sed function to make replacements (41e10b5), closes #192

### 4.20.2 Continuous Integration

- **travis**: add quick check that convert-formula.sh has worked (8312063)

## 4.21 4.0.6 (2020-04-07)

### 4.21.1 Bug Fixes

- **running.sls**: use watch not require to ensure service restart (3a1fc35)

### 4.21.2 Code Refactoring

- **libsaltcli**: use the opts dict throughout [skip ci] (69b632f)

### 4.21.3 Continuous Integration

- **kitchen+travis**: adjust matrix to add 3000 & remove 2017.7 [skip ci] (f81c372)
- **kitchen+travis**: adjust matrix to update 3000 to 3000.1 [skip ci] (f48a727)

## 4.22 4.0.5 (2020-03-23)

### 4.22.1 Bug Fixes

- **libtofs:** “files\_switch” mess up the variable exported by “map.jinja” [skip ci] ([241646f](#))

### 4.22.2 Code Refactoring

- **service:** use `systemd-journald` instead of `systemd-udev` ([a265105](#))

## 4.23 4.0.4 (2020-02-14)

### 4.23.1 Bug Fixes

- **libtofs:** “files\_switch” mess up the variable defined by “map.jinja” ([ab4ce75](#))

### 4.23.2 Continuous Integration

- **kitchen:** avoid using bootstrap for `master` instances ([6ecdb99](#))

## 4.24 4.0.3 (2020-01-27)

### 4.24.1 Bug Fixes

- fix `CentOS Linux-7` and add `os` details from current CI setup ([4be16ca](#))
- **travis:** reinstate conversion test [skip ci] ([5d47fda](#))

### 4.24.2 Continuous Integration

- **travis:** use `major.minor` for `semantic-release` version [skip ci] ([e9bfb71](#))

## 4.25 4.0.2 (2019-12-19)

### 4.25.1 Bug Fixes

- **convert-formula.sh:** remove “Using this template” post-conversion ([55ab937](#))
- **convert-formula.sh:** remove `rubocop` override post-conversion ([aca4e44](#))
- **convert-formula.sh:** remove CI test post-conversion ([06ec949](#))
- **convert-formula.sh:** reset version to `1.0.0` ([39889ce](#))

## 4.25.2 Documentation

- **convert-formula.sh:** add usage guide (539a335)

## 4.26 4.0.1 (2019-12-17)

### 4.26.1 Bug Fixes

- **convert-formula.sh:** apply remaining suggestions from #180 (76ecd44), closes [/github.com/saltstack-formulas/template-formula/pull/180#discussion\\_r357308821](https://github.com/saltstack-formulas/template-formula/pull/180#discussion_r357308821) [/github.com/saltstack-formulas/template-formula/pull/180#discussion\\_r357318860](https://github.com/saltstack-formulas/template-formula/pull/180#discussion_r357318860) [/github.com/saltstack-formulas/template-formula/pull/180#discussion\\_r357362707](https://github.com/saltstack-formulas/template-formula/pull/180#discussion_r357362707)

## 4.27 4.0.0 (2019-12-16)

### 4.27.1 Code Refactoring

- improve reusability using an unique keyword `TEMPLATE` (2e8ded6)

### 4.27.2 Continuous Integration

- **gemfile:** restrict `train` gem version until upstream fix [skip ci] (1b6164f)
- **travis:** quote `pathsspecs` used with `git ls-files` [skip ci] (341f495)

### 4.27.3 Features

- add script to ease conversion from template to real formula (edfa269)

### 4.27.4 Tests

- add CI test of conversion script (7ad85ae)

### 4.27.5 BREAKING CHANGES

- changed all state names and ids

## 4.28 3.3.4 (2019-11-27)

### 4.28.1 Bug Fixes

- **release.config.js:** use full commit hash in commit link [skip ci] (4ac8d92)



## 4.28.2 Continuous Integration

- **kitchen:** use `debian-10-master-py3` instead of `develop` [skip ci] ([14ebf92](#))
- **kitchen:** use `develop` image until `master` is ready (`amazonlinux`) [skip ci] ([42482d7](#))
- **kitchen+travis:** upgrade `matrix` after `2019.2.2` release [skip ci] ([d0e07b8](#))
- **travis:** apply changes from build config validation [skip ci] ([b625245](#))
- **travis:** opt-in to `dpl v2` to complete build config validation [skip ci] ([f1fbf7f](#))
- **travis:** run `shellcheck` during lint job ([a711665](#))
- **travis:** update `salt-lint` config for `v0.0.10` [skip ci] ([faea464](#))
- **travis:** use build config validation (beta) [skip ci] ([66494bb](#))

## 4.28.3 Performance Improvements

- **travis:** improve `salt-lint` invocation [skip ci] ([7a96cd7](#))

# 4.29 3.3.3 (2019-10-16)

## 4.29.1 Documentation

- **contributing:** add recent `semantic-release` formulas [skip ci] (``<https://github.com/saltstack-formulas/template-formula/commit/e6fb519>`_`)
- **contributing:** remove to use org-level file instead [skip ci] (``<https://github.com/saltstack-formulas/template-formula/commit/d2ebccf>`_`)
- **readme:** update link to CONTRIBUTING [skip ci] (``<https://github.com/saltstack-formulas/template-formula/commit/ed61d09>`_`)
- **readme:** have special notes section (``<https://github.com/saltstack-formulas/template-formula/commit/c68aed5>`_`)

# 4.30 3.3.2 (2019-10-08)

## 4.30.1 Bug Fixes

- **rubocop:** add fixes using `rubocop --safe-auto-correct` ([484ce24](#))
- **rubocop:** fix remaining errors manually ([9566b6f](#))

## 4.30.2 Code Refactoring

- **travis:** merge `lint` stage into the `test` stage ([d3b93f8](#))

### 4.30.3 Continuous Integration

- **kitchen:** install required packages to bootstrapped opensuse [skip ci] (1cfed60)
- **kitchen:** use bootstrapped opensuse images until 2019.2.2 [skip ci] (0467bdf)
- **travis:** quote `${INSTANCE}` when running `kitchen verify` (00d56a4), closes [/github.com/saltstack-formulas/template-formula/pull/175#discussion\\_r332525964](https://github.com/saltstack-formulas/template-formula/pull/175#discussion_r332525964)
- **travis:** run `rubocop` during the `Lint` job (8d8c766)
- **travis:** run `salt-lint` during the `Lint` job (2df4646), closes [/freenode.logbot.info/saltstack-formulas/20191004#c2723464](https://freenode.logbot.info/saltstack-formulas/20191004#c2723464) [/freenode.logbot.info/saltstack-formulas/20191004#c2724272](https://freenode.logbot.info/saltstack-formulas/20191004#c2724272)
- **travis:** use `env` and `name` for improved display in Travis (5f773d1), closes [/github.com/saltstack-formulas/template-formula/pull/175#discussion\\_r332613933](https://github.com/saltstack-formulas/template-formula/pull/175#discussion_r332613933)

### 4.30.4 Documentation

- **bug\_report:** add section requesting commit hash / release tag (faccb6a)
- **bug\_report:** group into sections for better logical ordering (e9b6c2f)
- **contributing:** add recent semantic-release formula (c2924b0)
- **contributing:** add recent semantic-release formula (8d2318c)
- **contributing:** add recent semantic-release formula [skip ci] (85118de)
- **issues:** provide `Bug report` & `Feature request` templates (f90f1f6)
- **issues:** use `Meta` instead of `Optional` as suggested (65cadb4), closes [/github.com/saltstack-formulas/template-formula/pull/174#issuecomment-538999459](https://github.com/saltstack-formulas/template-formula/pull/174#issuecomment-538999459)
- **issues:** use larger headings (from level 4 to level 3) (53e7b75)
- **pillar.example:** fix TOFS comment to explain the default path [skip ci] (fde5063), closes [/github.com/saltstack-formulas/libvirt-formula/pull/60#issuecomment-537965254](https://github.com/saltstack-formulas/libvirt-formula/pull/60#issuecomment-537965254) [/github.com/saltstack-formulas/libvirt-formula/pull/60#issuecomment-537988138](https://github.com/saltstack-formulas/libvirt-formula/pull/60#issuecomment-537988138)
- **pillar.example:** improve TOFS comment to explain the default path [skip ci] (27d2fe4), closes [/github.com/saltstack-formulas/nginx-formula/blob/17291a0ae2c2554707b79d897bb6ddec716e8426/pillar.example#L340-L341](https://github.com/saltstack-formulas/nginx-formula/blob/17291a0ae2c2554707b79d897bb6ddec716e8426/pillar.example#L340-L341)

## 4.31 3.3.1 (2019-09-23)

### 4.31.1 Bug Fixes

- **subcomponent:** clean referencing wrong sls (394808e)

### 4.31.2 Continuous Integration

- **use dist:** `bionic` & apply `opensuse-leap-15` SCP error workaround (330b0cb)
- **kitchen:** change `log_level` to `debug` instead of `info` (1b929ff)
- **platform:** add `arch-base-latest` (042e8e2)
- **yamllint:** add rule `empty-values` & use new `yaml-files` setting (70ed7e2), closes #164

### 4.31.3 Documentation

- **contributing:** add recent `semantic-release` formulas (7f36ae9)

## 4.32 3.3.0 (2019-08-27)

### 4.32.1 Bug Fixes

- **libtofs:** avoid using subpath by default (c07471d)

### 4.32.2 Code Refactoring

- **libtofs:** remove deprecated `vl_path_prefix` argument (ad2a965)

### 4.32.3 Features

- **yamllint:** include for this repo and apply rules throughout (e76525f)

## 4.33 3.2.1 (2019-08-06)

### 4.33.1 Code Refactoring

- **tofs:** move subcomponent definition to `defaults.yaml` (c269673)
- **tofs:** move subcomponent templates to first `source match` (70cc92d)

### 4.33.2 Continuous Integration

- **kitchen+travis:** replace EOL pre-salted images (42ab22c)

## 4.34 3.2.0 (2019-08-03)

### 4.34.1 Bug Fixes

- **formula:** update to current oldest supported version of Salt (878eca1)

### 4.34.2 Documentation

- **libtofs:** explain usage of sub-directory for components (42a75d9)
- **readme:** describe the new “`template.subcomponent`” states (6b595cd)

### 4.34.3 Features

- **sub-component:** manage a dedicated configuration file (c4440d7)
- **tofs:** lookup files directory in “tpldir” hierarchy (5c495fb)

### 4.34.4 Tests

- **inspec:** verify subcomponent configuration file (fd55e03)

## 4.35 3.1.1 (2019-07-25)

### 4.35.1 Bug Fixes

- **tofs:** prepend the config-based `source_files` to the default (3483e76), closes [#151](https://github.com/saltstack-formulas/nginx-formula/pull/247#issuecomment-514262549)

### 4.35.2 Documentation

- **tofs:** ensure merged will all recent changes (6a614d9)
- **tofs:** update from `nginx-formula` (23a221e), closes [/github.com/saltstack-formulas/nginx-formula/pull/238#discussion\\_r289124365](https://github.com/saltstack-formulas/nginx-formula/pull/238#discussion_r289124365)

## 4.36 3.1.0 (2019-07-24)

### 4.36.1 Bug Fixes

- **grain:** fix grain value (26edfa0)

### 4.36.2 Documentation

- **map:** update comments in `os*.yaml` after adding `osarchmap` (d71a258)

### 4.36.3 Features

- **mapping:** introduce `osarchmap` per issue #13 (41ac40d)

### 4.36.4 Tests

- **osarch:** add unit test for `osarch` (1be2052)

## 4.37 3.0.9 (2019-07-24)

### 4.37.1 Bug Fixes

- **libtofs:** don't crash if "tofs.files\_switch" lookup a list ([0979d35](#))

### 4.37.2 Documentation

- **contributing:** add recent semantic-release formula ([f9def86](#))
- **contributing:** add recent semantic-release formula ([ed8c55a](#))
- **contributing:** add recent semantic-release formulas ([57d0b85](#))

### 4.37.3 Tests

- **libtofs:** "tofs.files\_switch" lookup can return a list ([13f1728](#))

## 4.38 3.0.8 (2019-07-08)

### 4.38.1 Documentation

- **contributing:** add template-formula to semantic-release formulas ([87e4ebc](#))

## 4.39 3.0.7 (2019-07-04)

### 4.39.1 Documentation

- **contributing:** add recent semantic-release formula ([c679cb5](#))

## 4.40 3.0.6 (2019-06-28)

### 4.40.1 Code Refactoring

- **string:** remove capitalisation from 'template' string ([7062210](#))

## 4.41 3.0.5 (2019-06-28)

### 4.41.1 Documentation

- **contributing:** add recent semantic-release formula ([fc50a9e](#))

## 4.42 3.0.4 (2019-06-27)

### 4.42.1 Documentation

- **contributing:** add recent `semantic-release` formulas ([22052fc](#))

## 4.43 3.0.3 (2019-06-25)

### 4.43.1 Documentation

- **contributing:** add recent `semantic-release` formula ([7f56237](#))

## 4.44 3.0.2 (2019-06-20)

### 4.44.1 Documentation

- **contributing:** add recent `semantic-release` formulas ([461c7a5](#))

## 4.45 3.0.1 (2019-06-16)

### 4.45.1 Tests

- **inspect:** readme for default profile & `os-name` depreciated ([3fa7bce](#))

## 4.46 3.0.0 (2019-06-13)

### 4.46.1 Code Refactoring

- **pkgname:** reserve `'pkg'` as packaging dict ([c6ae81c](#))

### 4.46.2 Continuous Integration

- **kitchen+travis:** modify matrix to include `develop` platform ([7b5d4ff](#))

### 4.46.3 BREAKING CHANGES

- **pkgname:** the parameter `pkg` is now a dictionary. References to `template.pkg` should be changed to `template.pkg.name`.

## 4.47 2.2.1 (2019-05-31)

### 4.47.1 Code Refactoring

- “**osfamilymap**”: avoid `*BSD` ambiguity with MacOS `rootgroup` (3338605)

## 4.48 2.2.0 (2019-05-31)

### 4.48.1 Features

- **macos**: basic package and group handling (8c3fe22)

## 4.49 2.1.18 (2019-05-29)

### 4.49.1 Bug Fixes

- “**libtofs**”: use `select` to deal with empty strings in path (afe0751)
- “**libtofs**”: use `strip` to deal with leading/trailing slashes (2563a46)

## 4.50 2.1.17 (2019-05-27)

### 4.50.1 Continuous Integration

- **kitchen**: add Bundler binstub for Kitchen (7bb7c53)

### 4.50.2 Documentation

- **readme**: tidy headings (d931ed1)

## 4.51 2.1.16 (2019-05-27)

### 4.51.1 Documentation

- **contributing**: add ufw formula to semantic release formulas (18ff689)

## 4.52 2.1.15 (2019-05-25)

### 4.52.1 Tests

- “**services\_spec**”: remove temporary `suse` conditional (00d4a77)

## 4.53 2.1.14 (2019-05-25)

### 4.53.1 Bug Fixes

- **“config/file“:** add missing space before Jinja `}}` (5cd08ab)

## 4.54 2.1.13 (2019-05-24)

### 4.54.1 Documentation

- **readme:** add testing requirements section (from `vault-formula`) (e04413e)

## 4.55 2.1.12 (2019-05-24)

### 4.55.1 Continuous Integration

- **travis:** improve recommended matrix usage comment (b08a0fd)
- **travis:** reduce matrix down to 6 instances (ref: #118) (a8834e2)

### 4.55.2 Documentation

- **contributing:** add `bind-formula` to `semantic-release` formulas (3da78b0)

## 4.56 2.1.11 (2019-05-18)

### 4.56.1 Documentation

- **contributing:** add recent `semantic-release` formula (486b393)

## 4.57 2.1.10 (2019-05-16)

### 4.57.1 Documentation

- **contributing:** fix link to contributing docs (b6a33d3)

## 4.58 2.1.9 (2019-05-16)

### 4.58.1 Documentation

- move contributing sections and links to ease adaptation (741896d)



## 4.59 2.1.8 (2019-05-16)

### 4.59.1 Documentation

- **contributing:** add recent semantic-release formulas (#110) (ab7afd4)

## 4.60 2.1.7 (2019-05-15)

### 4.60.1 Styles

- **indent:** fix indentation (34d1307)

## 4.61 2.1.6 (2019-05-15)

### 4.61.1 Bug Fixes

- **“map.jinja“:** merge defaults and config.get (91bc2f0)

## 4.62 2.1.5 (2019-05-15)

### 4.62.1 Bug Fixes

- **“map.jinja“:** use tplroot (b9c5e03)

## 4.63 2.1.4 (2019-05-15)

### 4.63.1 Bug Fixes

- **“map.jinja“:** remove merge from config.get (for salt-ssh) (00e474c), closes #95

## 4.64 2.1.3 (2019-05-13)

### 4.64.1 Bug Fixes

- **travis:** don't install gems twice (925d8e2)

### 4.64.2 Documentation

- **readme:** add testing section based on postgres-formula (c309d5f)

## 4.65 2.1.2 (2019-05-13)

### 4.65.1 Bug Fixes

- **gitignore:** add Gemfile.lock to .gitignore ([87fa410](#))

## 4.66 2.1.1 (2019-05-13)

### 4.66.1 Documentation

- **semantic-release:** add list of semantic-release compatible formulas ([97b19b9](#))

## 4.67 2.1.0 (2019-05-12)

### 4.67.1 Features

- **centos-6:** reshape formula and tests for this platform ([a4b1608](#)), closes #104

## 4.68 2.0.6 (2019-05-02)

### 4.68.1 Continuous Integration

- **kitchen+travis:** use latest pre-salted images ([91ef13b](#))

### 4.68.2 Tests

- **inspec:** disable service-based tests for opensuse-leap-15 ([848c2ad](#))

## 4.69 2.0.5 (2019-04-30)

### 4.69.1 Documentation

- **tofs:** remove whitespace from blank line ([0881b7d](#))

## 4.70 2.0.4 (2019-04-27)

### 4.70.1 Code Refactoring

- **map:** use `config.get` instead of `pillar.get` ([5dc0b86](#))

## 4.70.2 Continuous Integration

- **gemfile:** update `kitchen-salt` version ([ad31c32](#))

## 4.71 2.0.3 (2019-04-24)

### 4.71.1 Bug Fixes

- **comments:** explain that at least an empty dict is required ([426f955](#)), closes [#93](#)

### 4.71.2 Continuous Integration

- **kitchen:** use pre-salted images instead ([2855ed6](#))

## 4.72 2.0.2 (2019-04-22)

### 4.72.1 Code Refactoring

- **config\_clean:** remove unused import from `libtofs.jinja` ([b7cb585](#))

### 4.72.2 Continuous Integration

- **kitchen+travis:** implement new `distro-python-salt_version` matrix ([bd4792d](#))

## 4.73 2.0.1 (2019-03-25)

### 4.73.1 Code Refactoring

- **tofs:** ensure (`v2 > v1 > default`) checking for `src_files` ([3e62d7b](#))
- **tofs:** make `files_switch` macro fully portable ([a98b777](#))
- **tofs:** use `config` rather than `pillar` throughout ([5730e94](#))

## 4.74 2.0.0 (2019-03-24)

### 4.74.1 Code Refactoring

- **tofs:** move “`files_switch`” macro to “`libtofs.jinja`” ([da7e692](#))

## 4.74.2 BREAKING CHANGES

- **tofs:** every formula writer will need to change the import to use this new version.
- `template/libtofs.jinja`: provides the “`files_switch`” macro.
- `docs/TOFS_pattern.rst`: update documentation to use the new path.
- `template/config/clean.sls`: change import from “`macros.jinja`” to “`libtofs.jinja`”.
- `template/config/file.sls`: ditoo.

## 4.75 1.2.6 (2019-03-24)

### 4.75.1 Reverts

- **kitchen+travis:** use `debian:jessie-backports` as `debian-8` ([dcd141a](#)), closes [/github.com/saltstack/salt-pack/issues/657#issuecomment-474954298](#)

## 4.76 1.2.5 (2019-03-23)

### 4.76.1 Bug Fixes

- **travis:** use version numbers in Gemfile to prevent failed builds ([35f7111](#))

## 4.77 1.2.4 (2019-03-22)

### 4.77.1 Code Refactoring

- **tofs:** avoid using “`salt[‘config.get’]”` for formula writers ([60d43e7](#))

## 4.78 1.2.3 (2019-03-13)

### 4.78.1 Documentation

- **tofs:** incorrect path for “`source_files`” lookup key ([a76f659](#))

## 4.79 1.2.2 (2019-03-09)

### 4.79.1 Bug Fixes

- **tofs:** update use of state ID in `config` and `pillar` ([3d9a24c](#))
- **tofs:** use `source_files` instead of `files` ([5110716](#)), closes [/freenode.logbot.info/saltstack-formulas/20190308#c2046753](#)

## 4.80 1.2.1 (2019-03-07)

### 4.80.1 Code Refactoring

- **kitchen:** `pillars-from-files => pillars_from_files` (7c954a7), closes [/github.com/saltstack-formulas/packages-formula/pull/50#discussion\\_r262769817](https://github.com/saltstack-formulas/packages-formula/pull/50#discussion_r262769817)

### 4.80.2 Styles

- **map:** use `-` for each Jinja block (64e3834)

## 4.81 1.2.0 (2019-03-03)

### 4.81.1 Features

- **m2r:** use `m2r` to convert automatic `.md` files to `.rst` (b86ddf4)

## 4.82 1.1.2 (2019-03-03)

### 4.82.1 Documentation

- **contributing:** add documentation contribution guidelines (dff0ee8)
- **rttd:** add comment to CSS file for overriding in-use Sphinx theme (f237364)
- **rttd:** clean up numerous issues and inconsistencies (ad5a8b8)
- **tofs:** use `literalinclude` of `macros.jinja` instead of code dupe (3f0071b)

## 4.83 1.1.1 (2019-03-01)

### 4.83.1 Continuous Integration

- **travis:** remove obsolete `markdown-toc` process (97fbb60)

### 4.83.2 Documentation

- **contributing:** add TOC to match all other pages (7b1a2a9)
- **readme:** add Read the Docs build status badge (f47797d)
- **tofs:** replace existing `.md` with `.rst` and add to RTD (fd68168)
- **tofs:** use table to list authorship (2f0e20f)

## 4.84 1.1.0 (2019-03-01)

### 4.84.1 Documentation

- **rtd:** add basic `docs/conf.py` to allow additional customisation (18d3924)

### 4.84.2 Features

- **rtd:** provide custom CSS file for overriding in-use Sphinx theme (24bd338)

## 4.85 1.0.1 (2019-03-01)

### 4.85.1 Continuous Integration

- **travis:** remove unavailable files from `markdown-toc` process (3148f0d)

### 4.85.2 Documentation

- **contributing:** convert to `.rst` and move to `docs` subdir (474f318)
- **index:** add `CONTRIBUTING` to the `toctree` (0c98e67)
- **readme:** move under `docs` subdir to access in both GitHub and RTD (c92f674)
- **readme:** update heading markers for consistency (5a2bea8)
- **rtd:** add basic `index.rst` to allow RTD to produce docs (f02139f)
- **rtd:** use internal link targets at the top of each `.rst` file (da09528)

## 4.86 1.0.0 (2019-02-28)

### 4.86.1 Code Refactoring

- **components:** split components into separate subdirs (d957055), closes [/github.com/saltstack-formulas/template-formula/pull/48#pullrequestreview-207182085](https://github.com/saltstack-formulas/template-formula/pull/48#pullrequestreview-207182085) [/github.com/saltstack-formulas/template-formula/pull/48#discussion\\_r259805312](https://github.com/saltstack-formulas/template-formula/pull/48#discussion_r259805312)
- **include+require:** use variable for duplicate values (4443518)
- **pkg:** change to `package` instead (2cd82e5), closes [/github.com/saltstack-formulas/template-formula/pull/48#discussion\\_r259951123](https://github.com/saltstack-formulas/template-formula/pull/48#discussion_r259951123)
- **pkg:** move `pkg` related components into separate directory (c21f82b)
- **states:** set state IDs based on a dependable structure (6690ee6), closes [/github.com/saltstack-formulas/template-formula/pull/48#discussion\\_r259953473](https://github.com/saltstack-formulas/template-formula/pull/48#discussion_r259953473) [/github.com/saltstack-formulas/template-formula/pull/48#discussion\\_r259956996](https://github.com/saltstack-formulas/template-formula/pull/48#discussion_r259956996)
- **topdir:** use `for include and require except init.sls` (a218e91)
- **tpldir:** use `topdir` globally in place of `tpldir` (2838bc9)

- **tplroot:** use `tplroot` instead of `topdir` to match `tpldata` (b7356b0)

## 4.86.2 Continuous Integration

- **kitchen:** specify `image` explicitly for each platform (b25fbd)
- **kitchen+travis:** use `debian:jessie-backports` as `debian-8` (1b9d249), closes #50 [/github.com/saltstack/salt-pack/issues/657#issuecomment-467932962](https://github.com/saltstack/salt-pack/issues/657#issuecomment-467932962)

## 4.86.3 Documentation

- **components:** update for separation of `pkg`, `config` & `service` (726fcab)
- **readme:** add suggested improvement to `template.service.clean` (bf1039c)
- **readme:** fix typos (007159a)

## 4.86.4 Features

- **pkg:** add `clean` states (422c7ac)
- **pkg:** use `require` `requisite` between `pkg` states (6e7141b), closes [/github.com/saltstack/salt/blob/0c78d7dc894058988d171a28a11bd4a9dbf60266/salt/utils/jinja.py#L120](https://github.com/saltstack/salt/blob/0c78d7dc894058988d171a28a11bd4a9dbf60266/salt/utils/jinja.py#L120) [/github.com/saltstack/salt/blob/0c78d7dc894058988d171a28a11bd4a9dbf60266/salt/utils/templates.py#L145](https://github.com/saltstack/salt/blob/0c78d7dc894058988d171a28a11bd4a9dbf60266/salt/utils/templates.py#L145) [/github.com/saltstack/salt/issues/10838#issuecomment-391718086](https://github.com/saltstack/salt/issues/10838#issuecomment-391718086)

## 4.86.5 Reverts

- **kitchen+travis:** disable `debian-8` due to 2019.2 bug (e8f0f7e)

## 4.86.6 BREAKING CHANGES

- **states:** Wholesale state ID changes will break implementations that are relying on the previous state IDs for `requisite` purposes.
- **pkg:** Changing the `pkg` directory to `package` will break implementations that are depending on `pkg` for `include` or `sls`-based `requisite` purposes.

## 4.87 0.7.6 (2019-02-27)

### 4.87.1 Documentation

- **yaml:** `os*.yaml` map files needs at least an empty dict (dd99750)

## 4.88 0.7.5 (2019-02-27)

### 4.88.1 Bug Fixes

- **pillar:** fix `os_family` typo (3f89c12)
- **tofs:** update comments in `files_switch` macro for new method (3fa3640)

### 4.88.2 Code Refactoring

- **macros:** use `tplroot` instead of `topdir` to match `tpldata` (923b459)

### 4.88.3 Documentation

- **tofs:** add more sub-headings to ease document navigation (2c5dc21)
- **tofs:** apply language formatting to source code blocks (0638413)
- **tofs:** explain how all parts of the `source` can be customised (2f82eb5), closes #44
- **tofs:** improve general use of language (5105d29)
- **tofs:** update the `files_switch` section for the updated macro (788f732)
- **tofs:** use `{%-` for all Jinja statements (4348df8)

## 4.89 0.7.4 (2019-02-27)

### 4.89.1 Continuous Integration

- **kitchen:** check for repos updates before trying package installation (b632383)
- **kitchen+travis:** disable `debian-8` due to `2019.2` installation bug (178c710)

### 4.89.2 Documentation

- **contributing:** separate `BREAKING CHANGE` under its own heading (ee053d7)

## 4.90 0.7.3 (2019-02-25)

### 4.90.1 Bug Fixes

- **tofs:** use `tpldir` derivative `topdir` for pillar (config) paths (5e9df00)



## 4.91 0.7.2 (2019-02-24)

### 4.91.1 Code Refactoring

- **tpldir**: use `tpldir` or derivatives to make formula portable ([52d03d8](#)), closes [#22](#)

### 4.91.2 Continuous Integration

- **kitchen**: improve comments about `opensuse` problems encountered ([c246939](#))
- **travis**: prevent release stage running for PRs ([3a072c7](#)), closes [/travis-ci.com/saltstack-formulas/template-formula/jobs/180068519#L466](#) [/github.com/saltstack-formulas/template-formula/pull/42#issuecomment-466446324](#)

## 4.92 0.7.1 (2019-02-24)

### 4.92.1 Continuous Integration

- **kitchen**: use `salt-minion` version of `opensuse` to ensure tests run ([99b073a](#))

### 4.92.2 Documentation

- **changelog**: remove erroneous “closes” used by `semantic-release` ([be4571d](#))

## 4.93 0.7.0 (2019-02-23)

### 4.93.1 Features

- **tofs**: implement backwards-compatible TOFSv2 for configurability ([068a94d](#))

## 4.94 0.6.0 (2019-02-23)

### 4.94.1 Documentation

- **contributing**: add basic introductory text before the TOC ([45ccaf6](#))
- **contributing**: modify quoted heading to prevent TOC inclusion ([abcb6ef](#))
- **readme**: convert note into a heading ([5f2d789](#))

### 4.94.2 Features

- **toc**: use `markdown-toc` directly to update inline ([a5bae1e](#))

## 4.95 0.5.0 (2019-02-23)

### 4.95.1 Features

- **kitchen+travis:** add `opensuse-leap` after resolving issues (7614a3c)
- **kitchen+travis:** conduct tests on a wider range of platforms (1348078)

### 4.95.2 Tests

- **inspec:** update `supports` for all platforms added (42f93b3)

## 4.96 0.4.0 (2019-02-23)

### 4.96.1 Documentation

- **contributing:** centre-align version bump columns in table (a238cae)

### 4.96.2 Features

- **authors:** update automatically alongside `semantic-release` (8000098)

## 4.97 0.3.6 (2019-02-22)

### 4.97.1 Continuous Integration

- **travis:** include `commitlint` stage (6659a69)
- **travis:** remove obsolete check based on `$TRAVIS_TEST_RESULT` (6df9c95)

### 4.97.2 Documentation

- **contributing:** update with sub-headings and `commitlint` details (ea2c9a4)

## 4.98 0.3.5 (2019-02-21)

### 4.98.1 Code Refactoring

- **kitchen:** prefer `kitchen.yml` to `.kitchen.yml` (3860bf9)

## 4.99 0.3.4 (2019-02-21)

### 4.99.1 Documentation

- **contributing:** add commit message formatting instructions ([fb3d173](#))

## 4.100 0.3.3 (2019-02-20)

### 4.100.1 Documentation

- **changelog:** add missing entry under `v0.3.2` ([50352b5](#))

## 4.101 0.3.2 (2019-02-20)

### 4.101.1 Documentation

- **README:** remove `gitchangelog` ([2fc85fc](#))
- **contributing:** create blank template ([3633e8f](#))

## 4.102 0.3.1 (2019-02-20)

### 4.102.1 Documentation

- **changelog:** merge previous `rst` into new `md` format ([2b4e485](#))

## 4.103 0.3.0 (2019-02-20)

### 4.103.1 Features

- **semantic-release:** configure for this formula ([cbcf75](#))

## 4.104 0.2.0 (2019-02-17)

- Added a working testing scaffold and travis support. [Javier Bértoli]

## 4.105 0.1.7 (2019-02-16)

### 4.105.1 Fix

- Typo in the installation instructions. [Niels Abspoel]

#### 4.105.2 Other

- Update the changelog. [Niels Abspoel]
- Update README with link to install git-changelog [Imran Iqbal]

#### 4.106 0.1.6 (2019-02-16)

- Add changelog generator. [Niels Abspoel]

#### 4.107 0.1.5 (2019-02-15)

- Prepare v0.1.5 [Imran Iqbal]
- Fix missing ‘)’ [gmazrael]

#### 4.108 0.1.4 (2019-02-15)

- Replace obsolete VERSION file and replace with FORMULA file. [Imran Iqbal]

#### 4.109 0.1.3 (2019-02-12)

- Updated changelog and version. [Alexander Weidinger]
- Map.jinja: use grains.filter\_by instead of defaults.merge. [Alexander Weidinger]  
because defaults.merge does not work with salt-ssh. <https://github.com/saltstack/salt/issues/51605>  
Added osfingermap.yaml.

#### 4.110 0.1.2 (2019-02-12)

- Improve comments and examples in osfamilymap & osmap [Imran Iqbal]
- Fix map.jinja and add more OSes. [Imran Iqbal]

#### 4.111 0.1.1 (2019-02-10)

- Update. [Niels Abspoel]
- Update formula with map.jinja and style guide references, improve README and VERSION. [Niels Abspoel]

## 4.112 0.1.0 (2019-02-10)

- Examples must be consistent. [Daniel Dehennin]

The “template” is kept during rendering.

- TOFS\_pattern.md: add “template” to rendered state.
- template/macros.jinja: ditoo.

- Remove double slash in generated salt URL. [Daniel Dehennin]

When the files are “full path” with leading slash “/”, the generated URL contain a double slash because of the join.

- template/macros.jinja: remove leading slash before joining parts.
- TOFS\_pattern.md: mirror changes of “macros.jinja”.

- Add an example for “ntp” of the use of “files\_switch” [Daniel Dehennin]

- Accept pillar separator in “files\_switch” prefix. [Daniel Dehennin]

The prefix was used for 2 purposes:

- define the pillar prefix where to lookup “:files\_switch”. It supports the colon “:” separator to lookup in pillar subtree like “foo:bar”
- define the path prefix where to look for “files/”, It did not support separator to lookup inside directory tree.

This patch only replace any colon “:” with “/” when looking up “files/” directory, with the “foo:bar” prefix:

- lookup “foo:bar:files\_switch” pillar to get list of grains to match
- lookup files under “salt://foo/bar/files/”
- TOFS\_pattern.md: document the new use of “prefix” supporting colon “:”.
- template/macros.jinja: transform any colon “:” in “prefix” by slash “/” to lookup files.

- Make TOFS pattern example usable. [Daniel Dehennin]

The example could not be used as-is. This commit improve conformity to formula conventions.

- TOFS\_pattern.md: add missing commas “,” in “map.jinja” and extra one to ease the addition of new entries. Import “map.jinja” in “init.sls” and “conf.sls”. Declare descriptive state IDs. Use the “module.function” notation. Use the “name” parameter.

- Cosmetics modification of TOFS pattern documentation. [Daniel Dehennin]

- TOFS\_pattern.md: add myself as modifier. Trim trailing whitespaces. Separate titles from first paragraph.

- Switch template.config to TOFS pattern. [Daniel Dehennin]

- Import TOFS pattern from Zabbix formula. [Daniel Dehennin]

## 4.113 0.0.9 (2019-02-10)

- Add VERSION file. [Karim Hamza]

- Add note about formula versioning. [Karim Hamza]

## 4.114 0.0.8 (2019-02-10)

- Align with SaltStack official formulas doc page. [Denys Havrysh]
- Use https in the link to SaltStack documentation. [Denys Havrysh]

## 4.115 0.0.7 (2019-02-10)

- Map.ninja: fix typos and leftover comments. [Marco Molteni]
- Remove whitespace in map.jinja comment. [Andrew Gabbitas]

## 4.116 0.0.6 (2019-02-10)

- Improve style and jinja too match salt-formula. [Niels Abspoel]
- Propose new-ish formula style - defaults live in defaults.yml - map jinja overrides by grain + merges pillar:lookup - split all contextually similar states in their own files. [puneet kandhari]

## 4.117 0.0.5 (2019-02-10)

- Change states to use short-dec style. [Seth House]
- Update CHANGELOG.rst. [Nitin Madhok]
- Update README.rst. [Nitin Madhok]

Fix broken link

- Fixing pillar to match the map file. [Forrest]

Map file and pillar didn't match.

## 4.118 0.0.4 (2019-02-10)

- Add change log. [Antti Jokipii]

## 4.119 0.0.3 (2019-02-10)

- Updated the license and readme to match our standards. [Forrest Alvarez]
- Use map.jinja content in init.sls. [Eugene Vereschagin]
- Add map.jinja. [Eugene Vereschagin]

## 4.120 0.0.2 (2019-02-10)

- Add link to Salt Formula documentation. [Eugene Vereschagin]
- Change extension from .md to .rst. [Eugene Vereschagin]

## 4.121 0.0.1 (2019-02-10)

- Initial commit. [Lukas Erlacher]