
ntfy Documentation

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1	Quickstart	3
2	Install	5
2.1	Shell integration	5
3	Configuring <code>ntfy</code>	7
3.1	Backends	7
3.2	Pushover - <code>pushover</code>	7
3.3	Pushbullet - <code>pushbullet</code>	8
3.4	XMPP - <code>xmpp</code>	8
3.5	Linux Desktop Notifications - <code>linux</code>	9
3.6	Windows Desktop Notifications - <code>win32</code>	9
3.7	Mac OS X Notification Center - <code>darwin</code>	9
3.8	Other options	9
3.9	Backends <code>ToDo</code>	9
4	Testing	11
5	Contributors	13
6	Indices and tables	15

`ntfy` brings notification to your shell. It can automatically provide desktop notifications when long running commands finish or it can send push notifications to your phone when a specific command finishes. Confused? This video demonstrates some of this functionality:

Quickstart

```
$ sudo curl -L -o /usr/bin/ntfy https://github.com/dschep/ntfy/releases/download/v2.0.0/ntfy
$ sudo chmod +x /usr/bin/ntfy
$ ntfy send test
# send a notification when the command `sleep 10` finishes
# this send the message '"sleep 10" succeeded in 0:10 minutes'
$ ntfy done sleep 10
$ ntfy -b pushover -o user_key t0k3n send 'Pushover test!'
$ ntfy -t 'ntfy' send "Here's a custom notification title!"
$ echo -e 'backends: ["pushover"]\npushover: {"user_token": "t0k3n"}' > ~/.config/ntfy/ntfy.yml
$ ntfy send "Pushover via config file!"
$ ntfy done --pid 6379 # PID extra
$ ntfy send ":tada: ntfy supports emoji! :100:" # emoji extra
# Enable shell integration
$ echo 'eval "$(ntfy shell-integration)"' >> ~/.bashrc
```

Install

The single file executable installed in the quickstart above includes all dependencies and only requires python to be installed. As such, it works on Mac OS and most Linux distros. It can also be installed via pip: `pip install ntfy`. It can be installed in a virtualenv, with caveats. Linux notifications requires `--system-site-packages` to be used and OS X notifications don't work at all. `ntfy` can also be installed via pip, but pid support, emojis and xmpp are extras.

2.1 Shell integration

`ntfy` has support for **automatically** sending notifications when long running commands finish in bash and zsh. In bash it emulates zsh's `preexec` and `precmd` functionality with [rcaloras/bash-preexec](#). To enable it add the following to your `.bashrc` or `.zshrc`:

```
eval "$(ntfy shell-integration)"
```

By default it will only send notifications for commands lasting longer than 10 seconds and the terminal is focused. Terminal focus works on X11(Linux) and with Terminal.app and iTerm2 on MacOS. Both options can be configured via the `--longer-than` and `--foreground-too` options.

To avoid unnecessary notifications when running interactive programs programs listed in `AUTO_NTFY_DONE_IGNORE` don't generate notifications. for example:

```
export AUTO_NTFY_DONE_IGNORE="vim screen meld"
```

Configuring `ntfy`

`ntfy` is configured with a YAML file stored at `~/.config/ntfy/ntfy.yml`

3.1 Backends

The `backends` key specifies what backends to use by default. Each backend has its own configuration, stored in a key of its own name. For example:

```
---
backends:
  - pushover
  - linux
  - xmpp
pushover:
  user_key: hunter2
pushbullet:
  access_token: hunter2
xmpp:
  jid: "user@gmail.com"
  password: "xxxx"
  mtype: "chat"
  recipient: "me@jit.si"
```

If you want multiple configs for the same backend type, you can specify any name and then specify the backend with a backend key. For example:

```
---
pushover:
  user_key: hunter2
cellphone:
  backend: pushover
  user_key: hunter2
```

See the backends below for available backends and options.

3.2 Pushover - `pushover`

Required parameters:

- `user_key`

Optional parameters:

- `sound`
- `priority`
- `expire`
- `retry`
- `callback`
- `access_token` - use your own application token
- `device` - target a device, if omitted, notification is sent to all devices
- `url`
- `url_title`
- `html`

3.3 Pushbullet - `pushbullet`

Required parameter:

- `access_token` - Your Pushbullet access token, created at <https://www.pushbullet.com/#settings/account>

Optional parameters:

- `device_iden` - a device identifier, if omitted, notification is sent to all devices
- `email` - send notification to pushbullet user with the specified email or send an email if they aren't a pushbullet user

3.4 XMPP - `xmpp`

Requires parameters:

- `jid`
- `password`
- `recipient`

Optional parameters

- `hostname` (if not from `jid`)
- `port`
- `path_to_certs`
- `mtype` ('chat' required for Google Hangouts)

To verify the SSL certificates offered by a server: `path_to_certs = "path/to/ca/cert"`

Without `dnspython` library installed, you will need to specify the server hostname if it doesn't match the `jid`.

For example, to use Google Talk you would need to use: `hostname = 'talk.google.com'`

Specify port if other than 5222. NOTE: Ignored without specified hostname

3.5 Linux Desktop Notifications - `linux`

Works via `dbus`, works with most DEs like Gnome, KDE, XFCE and with `libnotify`.

3.6 Windows Desktop Notifications - `win32`

Uses `pywin32`.

3.7 Mac OS X Notification Center - `darwin`

Requires `ntfy` to be installed globally (not in a `virtualenv`).

3.8 Other options

Title is configurable with the `title` key in the config. Example:

```
---
title: Customized Title
```

3.9 Backends `ToDo`

- `Prowl`
- `Airgram`
- `Pushjet`
- `Pushalot`
- `Boxcar`
- `Instapush`

Testing

```
python setup.py test
```

Contributors

- [dschep](#) - Maintainer & Lead Developer
- [danryder](#) - XMPP Backend & emoji support

Indices and tables

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