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# **certbot***dnstnsipDocumentation*

***Release 0.5.1***

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# CHAPTER 1

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## certbot-dns-transip

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Certbot plugin to authenticate using dns TXT records via Transip API

- Documentation: <https://readthedocs.org/projects/certbot-dns-transip/>

You can also run this directly from Docker, and get the certificates and keys written to disk for further processing.

For example the following command can be used. This assumes the *transip.ini* file and the keyfile are present in */tmp/letsencrypt*.

```
docker run -ti -v `/tmp/letsencrypt`: /etc/letsencrypt \
-w /etc/letsencrypt \
hsmade/certbot-transip \
certonly -n \
-d 'your.domain.com' \
-a dns-transip \
--dns-transip-credentials /etc/letsencrypt/transip.ini \
--dns-transip-propagation-seconds 240 \
-m your@domain.com \
--agree-tos \
--eff-email
```

The contents of *transip.ini* are as follows.

```
dns_transip_key_file = transip.key
dns_transip_username = my_user
```

Finally, the key file is an RSA private key





## CHAPTER 2

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### Installation

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At the command line:

```
$ pip install certbot-dns-transip
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv certbot-dns-transip  
$ pip install certbot-dns-transip
```



## CHAPTER 3

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### Usage

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To use certbot-dns-transip in a project:

```
# Get an API key from TransIP

# Convert the key to an RSA key
$ openssl rsa -in /etc/letsencrypt/transip.key -out /etc/letsencrypt/transip-rsa.key

# make sure the rights are set correctly
$ chmod 600 /etc/letsencrypt/transip-rsa.key

$ cat /etc/letsencrypt/transip-rsa.key
-----BEGIN RSA PRIVATE KEY-----
MIIE.....
-----END RSA PRIVATE KEY-----

# Create a transip.ini file
$ cat //etc/letsencrypttransip.ini
dns_transip_username = my_username
dns_transip_key_file = /etc/letsencrypt/transip-rsa.key

# Execute certbot
$ docker run -ti -v `/etc/letsencrypt`:/etc/letsencrypt \
  hsmade/certbot-transip \
  certonly -n \
  -d 'your.domain.com' \
  -a dns-transip \
  --dns-transip-credentials /etc/letsencrypt/transip.ini \
  --dns-transip-propagation-seconds 240 \
  -m your@domain.com \
  --agree-tos \
  --eff-email

# make sure to use the propagation wait time of at least 240 seconds, as Transip doesn
→ 't refresh the zones that often.
```



## CHAPTER 4

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### IP Whitelisting

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By default the access token generated to do the api requests will only allow requests from whitelisted ip addresses. If the key you use doesn't require whitelisting you can disable this by adding *dns\_transip\_global\_key = yes* to the ini file.



Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

### 5.1 Submit Feedback

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.

#### 5.1.1 Get Started!

Ready to contribute? Here's how to set up *certbot-dns-transip* for local development.

1. Clone your fork locally:

```
$ git clone https://github.com/hsmade/certbot-dns-transip
```

2. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your clone for local development:

```
$ mkvirtualenv certbot-dns-transip
$ cd certbot-dns-transip/
$ python setup.py develop
```

3. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

4. Commit your changes and push your branch to the server:

```
$ git add .  
$ git commit -m "Your detailed description of your changes."  
$ git push origin name-of-your-bugfix-or-feature
```

## 5. Submit a merge request



## 6.1 certbot\_dns\_transip package

### 6.1.1 Submodules

### 6.1.2 certbot\_dns\_transip.dns\_transip module

certbot DNS plugin for Transip.

**class** certbot\_dns\_transip.dns\_transip.**Authenticator**(\*args, \*\*kwargs)

Bases: certbot.plugins.dns\_common.DNSAuthenticator

DNS Authenticator for Transip.

This Authenticator uses the Transip API to fulfill a dns-01 challenge.

**classmethod** **add\_parser\_arguments**(add, \*\*\_)

Add plugin arguments to the CLI argument parser.

**Parameters** **add** (*callable*) – Function that proxies calls to *argparse.ArgumentParser.add\_argument* prepending options with unique plugin name prefix.

**description** = 'Obtain certs using a DNS TXT record (if you are using Transip for DNS).'

**more\_info**()

Returns info about this plugin.

### 6.1.3 Module contents

certbot\_dns\_transip package.

Imports all parts from certbot\_dns\_transip here



### 7.1 Development Lead

- Wim Fournier <[wim@fournier.nl](mailto:wim@fournier.nl)>

### 7.2 Contributors

None yet. Why not be the first?



## CHAPTER 8

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History

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## CHAPTER 9

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0.4.3 (13-10-2021)

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- add *dns\_transip\_global\_key* as option in ini file





## CHAPTER 10

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0.4.1 (07-10-2021)

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- refactored code to use new v6 API
- changed workflow to github actions
- updated docker base image to python:3.9



# CHAPTER 11

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0.3.0 (24-03-2020)

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- updated CI and docker to python 3.6
- changed dockerfile from using CMD to ENTRYPOINT



## CHAPTER 12

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0.2.6 (21-03-2020)

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- updated transip lib



## CHAPTER 13

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0.1.4 (18-01-2019)

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- Added docker image + instructions





## CHAPTER 14

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0.1.2 (12-11-2018)

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- Updated the API for transip to current version



## CHAPTER 15

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0.1 (14-07-2017)

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- First release on <https://pypi.python.org/pypi/certbot-dns-transip>



## CHAPTER 16

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### Indices and tables

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