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# **certbot-openshift Documentation**

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This is a plugin for [Certbot](#) that allows installing certificates in [Openshift 3 Routes](#).

**Full Documentation:** <https://certbot-openshift.readthedocs.io>



## 1.1 Installation

To use certbot-openshift, you must install it on the system where you plan run the certbot client.

*Note: Unfortunately, you must install certbot-openshift globally on the system. Certbot will not be able to find the package if you install it in a virtual environment, even if certbot is installed and run from the same virtual environment.*

```
$ pip install certbot
$ pip install certbot-openshift
```

## 1.2 Usage

1. Obtain a **'bearer token<[https://docs.openshift.com/dedicated/dev\\_guide/service\\_accounts.html#using-a-service-accounts-credentials-inside-a-container](https://docs.openshift.com/dedicated/dev_guide/service_accounts.html#using-a-service-accounts-credentials-inside-a-container)>'** to authenticate with Openshift. This can be your personal token or the token of a [service account](#).
2. Run certbot and tell it to use the `certbot_openshift:installer` installer plugin.

```
certbot run -d my.domain.com \
    # Insert your authentication plugin settings here \
    -i certbot-openshift:installer \
    --certbot-openshift:installer-api-host api.example.com
    --certbot-openshift:installer-namespace my-project-namespace
    --certbot-openshift:installer-token $TOKEN
```

3. If you already have a certificate, you can use certbot to install it.

```
certbot install -d my.domain.com \
    -i certbot-openshift:installer \
    --chain-path /etc/letsencrypt/live/my.domain.com/chain.pem
    --cert-path /etc/letsencrypt/live/my.domain.com/cert.pem
    --key-path /etc/letsencrypt/live/my.domain.com/privkey.pem
```

```
--certbot-openshift:installer-api-host api.example.com
--certbot-openshift:installer-namespace my-project-namespace
--certbot-openshift:installer-token $TOKEN
```

There are a few things here to pay attention to here.

#### Certbot Options:

- |                     |   |
|---------------------|---|
| <b>-d domain</b>    | Certificate domain name.  |
| <b>-i installer</b> | Tell certbot to use certbot-openshift for certificate installation by specifying certbot-openshift:installer. |

#### Certbot-Openshift Options:

- |                    |                                      |
|--------------------|--------------------------------------|
| <b>--api-host</b>  | Openshift API domain.                |
| <b>--namespace</b> | Openshift route namespace (project). |
| <b>--token</b>     | Openshift Bearer Token.              |

Certbot will attempt to find the route matching the given domain name and install the certificate on it. If a matching route can't be found, the command will fail.