



## LEEC: Let's Encrypt Erlang with Ceylan

**Organisation:** Copyright (C) 2020-2021 Olivier Boudeville

**Contact:** about (dash) leec (at) esperide (dot) com

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**Dedication:** Users and maintainers of the LEEC library, version 0.6.

**Abstract:** The role of the LEEC library is to interact from Erlang/OTP with Let's Encrypt servers, mostly in order to generate X.509 certificates.

The latest version of this documentation is to be found at the [official LEEC website](http://leec.esperide.org) (<http://leec.esperide.org>).

The documentation is also mirrored [here](#).

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## Overview

The online documentation for LEEC is currently available [here](#).

## Getting Information about the Generated Certificates

If using LEEC to generate a certificate for a `baz.foobar.org` host, the following three files shall be obtained from the Let's Encrypt ACME server:

- `baz.foobar.org.csr`: the PEM certificate request, sent to the ACME server (~980 bytes)
- `baz.foobar.org.key`: the TLS private key regular file, kept on the server (~1675 bytes)
- `baz.foobar.org.crt`: the PEM certificate itself of interest (~3450 bytes), to be used by the webserver

To get information about this certificate:

```
$ openssl x509 -in baz.foobar.org.crt -text -noout
```

```
Certificate:
```

```
  Data:
```

```
    Version: 3 (0x2)
```

```
    Serial Number:
```

```
      04:34:17:fd:ee:9b:bd:6b:c2:02:b1:c0:84:62:ed:a6:88:5c
```

```
    Signature Algorithm: sha256WithRSAEncryption
```

```
    Issuer: C = US, O = Let's Encrypt, CN = R3
```

```
    Validity
```

```
      Not Before: Dec 27 08:21:38 2020 GMT
```

```
      Not After : Mar 27 08:21:38 2021 GMT
```

```
    Subject: CN = baz.foobar.org
```

```
    Subject Public Key Info:
```

```
      Public Key Algorithm: rsaEncryption
```

```
      RSA Public-Key: (2048 bit)
```

```
    [...]
```

## Support

Bugs, questions, remarks, patches, requests for enhancements, etc. are to be sent through the [project interface](#), or directly at the email address mentioned at the beginning of this document.

## Please React!

If you have information more detailed or more recent than those presented in this document, if you noticed errors, neglects or points insufficiently discussed, drop us a line! (for that, follow the [Support](#) guidelines).

## **Ending Word**

Have fun with LEEC!

***LEEC***