CONTENTS:

1 Named Arguments 3
2 Credentials 5
3 Examples 7
4 API Documentation 9
5 Indices and tables 11
Python Module Index 13
Index 15
The \texttt{dns\_luadns} plugin automates the process of completing a \texttt{dns-01} challenge (\texttt{DNS01}) by creating, and subsequently removing, TXT records using the LuaDNS API.

\textbf{Note:} The plugin is not installed by default. It can be installed by heading to \texttt{certbot.eff.org}, choosing your system and selecting the Wildcard tab.
## NAMED ARGUMENTS

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
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<tbody>
<tr>
<td><code>--dns-luadns-credentials</code></td>
<td>LuaDNS credentials INI file. (Required)</td>
</tr>
<tr>
<td><code>--dns-luadns-propagation-seconds</code></td>
<td>Number of seconds to wait for DNS to propagate before asking the ACME server to verify the DNS record. (Default: 30)</td>
</tr>
</tbody>
</table>
Use of this plugin requires a configuration file containing LuaDNS API credentials, obtained from your LuaDNS account settings page.

Listing 1: Example credentials file:

```ini
# LuaDNS API credentials used by Certbot
dns.luadns_email = user@example.com
dns.luadns_token = 0123456789abcdef0123456789abcdef
```

The path to this file can be provided interactively or using the `--dns-luadns-credentials` command-line argument. Certbot records the path to this file for use during renewal, but does not store the file’s contents.

**Caution:** You should protect these API credentials as you would the password to your LuaDNS account. Users who can read this file can use these credentials to issue arbitrary API calls on your behalf. Users who can cause Certbot to run using these credentials can complete a `dns-01` challenge to acquire new certificates or revoke existing certificates for associated domains, even if those domains aren’t being managed by this server.

Certbot will emit a warning if it detects that the credentials file can be accessed by other users on your system. The warning reads “Unsafe permissions on credentials configuration file”, followed by the path to the credentials file. This warning will be emitted each time Certbot uses the credentials file, including for renewal, and cannot be silenced except by addressing the issue (e.g., by using a command like `chmod 600` to restrict access to the file).
CHAPTER THREE

EXAMPLES

Listing 1: To acquire a certificate for example.com

certbot certonly \
   --dns-luadns \
   --dns-luadns-credentials ~/.secrets/certbot/luadns.ini \
   -d example.com

Listing 2: To acquire a single certificate for both example.com and www.example.com

certbot certonly \
   --dns-luadns \
   --dns-luadns-credentials ~/.secrets/certbot/luadns.ini \
   -d example.com \
   -d www.example.com

Listing 3: To acquire a certificate for example.com, waiting 2 minutes for DNS propagation

certbot certonly \
   --dns-luadns \
   --dns-luadns-credentials ~/.secrets/certbot/luadns.ini \
   --dns-luadns-propagation-seconds 120 \
   -d example.com
Certbot plugins implement the Certbot plugins API, and do not otherwise have an external API.
CHAPTER
FIVE

INDICES AND TABLES

• genindex
• modindex
• search
C

certbot_dns_luadns,
INDEX

C

certbot_dns_luadns
  module, 1

M

module
  certbot_dns_luadns, 1