certbot-dns-gehirn Documentation

Release 0

Certbot Project

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ONE

API DOCUMENTATION

Certbot plugins implement the Certbot plugins API, and do not otherwise have an external API. The `dns_gehirn` plugin automates the process of completing a `dns-01` challenge (`DNS01`) by creating, and subsequently removing, TXT records using the Gehirn Infrastructure Service DNS API.

Note: The plugin is not installed by default. It can be installed by heading to certbot.eff.org, choosing your system and selecting the Wildcard tab.

CHAPTER

TWO

NAMED ARGUMENTS

`--dns-gehirn-credential`	Gehirn Infrastructure Service *credentials* INI file. (Required)
`--dns-gehirn-propagatio`	The number of seconds to wait for DNS to propagate before asking the ACME server to verify the DNS record. (Default: 30)

CHAPTER

THREE

CREDENTIALS

Use of this plugin requires a configuration file containing Gehirn Infrastructure Service DNS API credentials, obtained from your Gehirn Infrastructure Service dashboard.

Listing 1: Example credentials file:

```
# Gehirn Infrastructure Service API credentials used by Certbot
dns_gehirn_api_token  = 00000000-0000-0000-0000-000000000000
dns_gehirn_api_secret = MDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAw
```

The path to this file can be provided interactively or using the `--dns-gehirn-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 Gehirn Infrastructure Service 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

FOUR

EXAMPLES

Listing 1: To acquire a certificate for `example.com`

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

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

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

Listing 3: To acquire a certificate for `example.com`, waiting 60 seconds for DNS propagation

```
certbot certonly \
  --dns-gehirn \
  --dns-gehirn-credentials ~/.secrets/certbot/gehirn.ini \
  --dns-gehirn-propagation-seconds 60 \
  -d example.com
```

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