

1.4 Changes of a Domain

Let's Encrypt Support

Support for automating Let's Encrypt SSL Certificates

Joker.com is working on a new API to allow for all customers making changes to the DNS of their domains without having to use the web portal.

Until this new API is ready, we want to provide a simple tool to provide **immediate** support of automated usage of [Let's Encrypt certificates](#).

Of course, we will support this solution also in the future, after the more generic new API will have become available.

Using this method, you will be able to request certificates from Let's Encrypt without having to expose the domain using HTTP running a web server, or to add special configurations to existing web services.

Instead, the Let's Encrypt method used is '**dns-01**', where a special TXT record needs to be inserted into your domain. Please note that this domain must be using the free Joker.com nameservice (which is default).

Setting a TXT record is pretty straightforward:

1. please login at Joker.com, visit 'My Domains', find the domain you want to add a Let's Encrypt certificate for, and choose "DNS" in the menu
2. on the top right, you will find the setting for '[Dynamic DNS](#)'. If not already active, please activate it. It will not affect any other already existing DNS records of this domain.
3. please take a note of the **credentials** which are now shown as '**Dynamic DNS Authentication**', consisting of a '**username**' and a '**password**'.
4. this is all you have to do here - and only **once per domain**.

The following explains the technical details - you may skip this and **simply use the attached files which you find below**. They do work with the commonly used tool [dehydrated](#). Where to place these files, and **how to configure your domains** or host names is documented in the file '**config.sh**'.

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To set a TXT record, you may now do this using a single cURL request:

```
curl -X POST https://svc.joker.com/nic/replace -d \  
'username=your-username&password=your-password&zone=your-domain.com  
&label=_acme-challenge&type=TXT&value=the-TXT-content-to-insert'
```

This will create a TXT record for "_acme-challenge" in zone "your-domain.com". It responds with 200 and "OK: n# inserted, n# deleted" if everything went OK, and appropriate status and text if not.

Some additional notes regarding this:

- only POST method is supported
- only *type=TXT* is supported (and must be provided) for now
- "label" could be anything within zone (including "@" and "**")
- this request will replace all TXT records for the **specified label** by the provided content
- "value" must be printable ascii only, without double quotes
- if "value" is empty ("value="), all existing records for specified label are deleted

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