

# QCAT - User Story #1781

## Versioning of configuration

06 Feb 2018 14:22 - Sebastian Manger

<b>Status:</b> Closed	<b>Start date:</b> 06 Feb 2018
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 100%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> Carbon Benefit	<b>Spent time:</b> 111.00 hours
<b>Resolution:</b>	

**Description**

### Intro

The 'initial' version of all configurations is hard coded (JSON). This has historic reasons, the initial plan for QCAT was to have many small, modular questionnaires that can be linked. As a configuration now is a very large (> 20k lines) file, this should not be copied and only the changes ('diff') are stored for a new version.

### Naming

- Years are used to identify a version, e.g. technology 2018. If multiple versions are released per year, the month is appended (2018.6)

### Technical details

- Before estimate: proof of concept.
- A configuration is a json object, which is loaded into the database.
- A new version of the configuration contains only the 'difference' **as code**
  - Similar to a django migration.
  - Rationale: when storing code, help texts and such can easily be added. Also, the indicators for 'this question has changed' can be calculated.
- To be defined: even if the new version is saved as 'diff', when applying it (probably as management command) - is it expanded to the full json in the database?

**Subtasks:**

Task # 1782: Proof of concept: new configuration as code	<b>Closed</b>
Task # 1783: Configuration: database layout changes	<b>Closed</b>
Task # 1784: Caching: aware of version	<b>Closed</b>

### History

#### #1 - 06 Feb 2018 14:27 - Sebastian Manger

- Subject changed from New configuration: to New configuration: Add changes

#### #2 - 08 Feb 2018 11:04 - Lukas Vonlanthen

- Subject changed from New configuration: Add changes to Versioning of configuration

#### #3 - 27 Feb 2018 09:55 - Kurt Gerber

- Status changed from New to Accepted

#### #4 - 05 Apr 2018 09:43 - Kurt Gerber

- Status changed from Accepted to In Progress

#### #5 - 04 Jul 2018 10:03 - Lukas Vonlanthen

- Status changed from In Progress to Closed