

DRUPAL XML MIGRATION

Migration einer komplexen xml Quelle mit
Attributen

Ein Erfahrungsbericht

Das war die Aufgabe – die xml Quelle

```
–<draw-info>
  <product>EJP</product>
  <date>2022-07-05T17:00:00Z</date>
  <day>Tuesday</day>
  <draw-id>165704040000</draw-id>
–<winning-numbers>
  <number>7</number>
  <number>16</number>
  <number>28</number>
  <number>36</number>
  <number>43</number>
  <number type="EURO_NUMBER">2</number>
  <number type="EURO_NUMBER">11</number>
</winning-numbers>
–<winning-quotas>
  <quota type="WC_1" prize="0,00 Euro" winnerNumber="0"/>
  <quota type="WC_2" prize="164.290,40 Euro" winnerNumber="7"/>
  <quota type="WC_3" prize="43.237,60 Euro" winnerNumber="15"/>
  <quota type="WC_4" prize="4.651,20 Euro" winnerNumber="23"/>
  <quota type="WC_5" prize="258,10 Euro" winnerNumber="518"/>
  <quota type="WC_6" prize="167,90 Euro" winnerNumber="876"/>
  <quota type="WC_7" prize="76,50 Euro" winnerNumber="1397"/>
  <quota type="WC_8" prize="29,60 Euro" winnerNumber="11517"/>
  <quota type="WC_9" prize="20,30 Euro" winnerNumber="18765"/>
  <quota type="WC_10" prize="15,00 Euro" winnerNumber="48156"/>
  <quota type="WC_11" prize="15,00 Euro" winnerNumber="59797"/>
  <quota type="WC_12" prize="10,50 Euro" winnerNumber="257404"/>
</winning-quotas>
</draw-info>
```

... und in diese Felder sollen die Daten gespeichert werden

```

<winning-quotas>
  <quota type="WC_1" prize="0,00 Euro" winnerNumber="0"/>
  <quota type="WC_2" prize="164.290,40 Euro" winnerNumber="7"/>
  <quota type="WC_3" prize="43.237,60 Euro" winnerNumber="15"/>
  <quota type="WC_4" prize="4.651,20 Euro" winnerNumber="23"/>
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  <quota type="WC_9" prize="20,30 Euro" winnerNumber="18765"/>
  <quota type="WC_10" prize="15,00 Euro" winnerNumber="48156"/>
  <quota type="WC_11" prize="15,00 Euro" winnerNumber="59797"/>
  <quota type="WC_12" prize="10,50 Euro" winnerNumber="257404"/>
</winning-quotas>

```

BESCHRIFTUNG	SYSTEMNAME
Body Post	field_body_post
Body Pre	field_body_pre
Date	field_date
Euro Quotas	field_euro_quotas
Quotas	field_quotas

Fieldfield

► FIRST SUBFIELD - GANZZAHL

► SECOND SUBFIELD - DEZIMALZAHL

Was wird benötigt?

- **Custom Migration Modul**
 - yml Konfiguration (source, process, destination)
 - custom process plugins u.a. für die Umwandlung der Zahlenformate
- **Aktuellste drush Version für drush code generator**
 - erleichtert ungemein die Erstellung von migrations plugins (source, process oder destination)
- **Module drush_devel**
- **Zeit, Geduld und Nerven**

yml Konfiguration - process

```

# Quotas
field_euro_quotas/0/first:
  plugin: get_euroquotas_winnernumber
  source: src_winning_quotas
  quotaindex: 0
field_euro_quotas/0/second:
  plugin: get_euroquotas_prize
  source: src_winning_quotas
  quotaindex: 0
#-----
field_euro_quotas/1/first:
  plugin: get_euroquotas_winnernumber
  source: src_winning_quotas
  quotaindex: 1
field_euro_quotas/1/second:
  plugin: get_euroquotas_prize
  source: src_winning_quotas
  quotaindex: 1
#-----

```

▼ FIRST SUBFIELD

Feldtyp *

Ganzzahl ▼

▼ SECOND SUBFIELD

Feldtyp *

Dezimalzahl ▼

Genauigkeit *

10

Die gesamte Anzahl der in der Datenbank z

Skalierung *

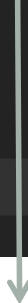
2

Die Anzahl der rechts vom Dezimaltrennzei

process plugins – xml Attributes

```
/**
 * {@inheritdoc}
 * https://drupal-qa.com/migrating-into-double-field
 * Result ist die Anzahl der Gewinner zu einer Gewinnklasse (winnerNumber)
 */
public function transform($value, MigrateExecutableInterface $migrate_executable,
    $lzIndex = $this->configuration['quotaIndex'] ?? '0';
    $lzNumber = $value->quota[$lzIndex]['winnerNumber'];

    $value = $lzNumber;
    return($value);
}
```



```
<quota type="WC_11" prize="15,00 Euro" winnerNumber="59797"/>
<quota type="WC_12" prize="10,50 Euro" winnerNumber="257404"/>
</winning-quotas>
</draw-info>
```

Hilfreiche Links • Inspirationen

- drupalize.me
<https://www.drupalize.me/>
- Mauricio Dinarte
<https://leanpub.com/31-days-of-drupal-migrations>
<https://understanddrupal.com/lessons/migrating-xml-files-drupal/>
- ... und natürlich die unendlichen Weiten des Netzes ;-)

DANKE FÜR'S ZUHÖREN
