



Flexible method for producing complex reports with Views

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Michail Stivaktakis - Senior Drupal developer @ zehnplus.ch

Views

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Maybe the most widely used module in drupal ecosystem

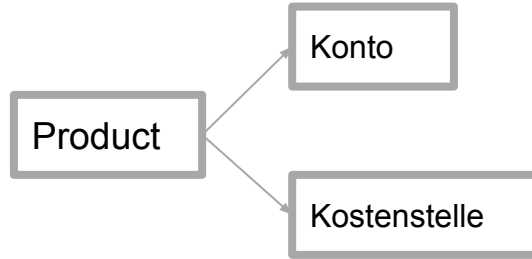
The problem

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Views can not work for every use case

Use case (Accounting)

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- ❖ Due Value
- ❖ Value Paid
- ❖ Value Pending

- ❖ Vat standard
- ❖ Vat reduced

- ❖ Vat standard paid
- ❖ Vat reduced paid

- ❖ Value paid for CH
- ❖ Value paid for World

- ❖ Due value member
- ❖ Due value non-member

- ❖ Value paid for members
- ❖ Value paid for non members

- ❖ Dates

Options

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- Reinvent the wheel
- Try to use views and use a lot of preprocessing to get the required result

Our Solution



- Created a custom entity
- Completely denormalized data structure
- Everything became a property of the entity

Advantages

- We were able to use views for pulling the data from the db, displaying, sorting, filtering and aggregating
- Effortless extensibility

Disadvantages

- We had to create and maintain a custom entity
- We had to implement views integration
- We need to keep the reports in sync with the current information

geco

OR

```
vendor/bin/drupal generate:entity:content
```

Drupal Console

- Drupal console is command line interface (CLI) for Drupal
- Works only with Drupal 8 and does a heavy use of Symfony components
- Has some functionality overlapping with Drush
- Is mainly used for generating boilerplate code

Create an entity

- Entities creation is very simple
- Drupal Console will ask a series of question about your new entity and will generate the boilerplate code

→ git:(ZP-4677) ✖ vendor/bin/drupal geco

// Welcome to the Drupal Content Entity generator

Enter the module name [address]:

> generic

Enter the class of your new content entity [DefaultEntity]:

> DefaultEntity

Enter the machine name of your new content entity [default_entity]:

> default_entity

Enter the label of your new content entity [Default entity]:

> Default entity

Enter the base-path for the content entity routes [/admin/structure]:

> /admin/structure

Do you want this (content) entity to have bundles (yes/no) [no]:

> no

Is your entity translatable (yes/no) [yes]:

> no

Is your entity revisionable (yes/no) [yes]:

> no

Generated or updated files

Generation path: /Users/msti/Sites/[REDACTED]/web

- 1 - modules/custom/generic/generic.permissions.yml
- 2 - modules/custom/generic/generic.links.menu.yml
- 3 - modules/custom/generic/generic.links.task.yml
- 4 - modules/custom/generic/generic.links.action.yml
- 5 - modules/custom/generic/src/DefaultEntityAccessControlHandler.php
- 6 - modules/custom/generic/src/Entity/DefaultEntityInterface.php
- 7 - modules/custom/generic/src/Entity/DefaultEntity.php
- 8 - modules/custom/generic/src/DefaultEntityHtmlRouteProvider.php
- 9 - modules/custom/generic/src/Entity/DefaultEntityViewsData.php
- 10 - modules/custom/generic/src/DefaultEntityListBuilder.php
- 11 - modules/custom/generic/src/Form/DefaultEntitySettingsForm.php
- 12 - modules/custom/generic/src/Form/DefaultEntityForm.php
- 13 - modules/custom/generic/src/Form/DefaultEntityDeleteForm.php
- 14 - modules/custom/generic/default_entity.page.inc
- 15 - modules/custom/generic/templates/default_entity.html.twig

Generated lines of code: 686

A wide-angle, nighttime photograph of a city, likely Zurich, Switzerland. The foreground and middle ground are filled with illuminated buildings, including several modern high-rises with glowing windows. The city is nestled at the foot of dark, forested mountains. In the far distance, snow-capped mountain peaks are visible under a clear night sky. The overall lighting is a mix of the warm yellow and orange lights from the city and the cool blue tones of the night and mountains.

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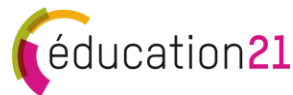


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We are continuously investing in revolutionising technologies in the field of **AI, robotics** and **automatisation**.

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<https://www.drupal.org/project/wallee>

Thank you

zehnplus
Zürich | Switzerland

+41 43 288 58 49
info@zehnplus.ch
www.zehnplus.ch