



DRUPAL

DEVELOPER DAYS

Burgas, Bulgaria - 2024



Not everything is a node!

— Create custom entity types
the way YOU like them —

Content types

[+ Add content type](#)

[Show all columns](#)

| Name | Operations |
|---------------|-------------------------------|
| Advertisement | Manage fields |
| Article | Manage fields |
| Basic page | Manage fields |
| Blog post | Manage fields |
| Category | Manage fields |
| Department | Manage fields |
| Event | Manage fields |
| Gallery | Manage fields |
| Job posting | Manage fields |
| Landing page | Manage fields |
| Organization | Manage fields |
| Poll | Manage fields |
| Quiz | Manage fields |
| Region | Manage fields |
| Section | Manage fields |
| Subsection | Manage fields |
| Teaser | Manage fields |
| Video gallery | Manage fields |
| Virtual event | Manage fields |
| Webform | Manage fields |

Job types

[+ Add content type](#)

[Show all columns](#)

| Name |
|-----------------|
| Department head |
| Employee |
| Manager |

Event types

[+ Add content type](#)

[Show all columns](#)

| Name |
|-------------------------------|
| On-site event |
| Virtual event |
| Manage fields |

Content types

[+ Add content type](#)

[Show all columns](#)

| Name |
|--------------|
| Article |
| Blog post |
| Landing page |

Form types

[+ Add content type](#)

[Show all columns](#)

| Name | Operations |
|--------|-------------------------------|
| Poll | Manage fields |
| Quiz | Manage fields |
| Survey | Manage fields |



Not everything is a node!

— Create custom entity types
the way YOU like them —



tstoeckler

Hi, I'm Tobias!



resc.
radio eco system company





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Trellon

„Code-driven Content Modelling in Drupal 8“

actency

Drupit



I have...





I have...

...installed Drupal





I have...

...installed Drupal

...created a module





I have...

...installed Drupal

...created a module

...created an entity type





I have...

...installed Drupal

...created a module

...created an entity type

...used a custom entity type on a project





I have...

...installed Drupal

...created a module

...created an entity type

...used a custom entity type on a project

...been telling people how great the Entity API is for 10 years





Coding time!





Checklist

- ✓ Data Storage
 - ✓ Validation Constraints
 - ✓ Computed Fields
 - ✓ Form & View
 - ✓ Permissions & Links
 - ✓ Field UI
 - ? Translations
 - ? Revisions
 - ? Views Integration
 - ? Bulk Operations
 - ? Weights
-



Drupal 8.0

| Feature | | Core | Contrib |
|--------------------------|---------------------------------|------|---------|
| <i>Storage & API</i> | Table Layout, Form, View | ✓ | |
| <i>Access Control</i> | | | |
| <i>Routing</i> | View, Edit, Delete | ✓ | |
| <i>Links</i> | | | |
| <i>List</i> | | | |
| <i>Integrations</i> | Field UI, Translation UI, Views | ✓ | |



Drupal 8.1

| Feature | | Core | Contrib |
|--------------------------|--------------------------------|------|---------|
| <i>Storage & API</i> | Base Fields, Revision Metadata | ✓ | |
| <i>Access Control</i> | | | |
| <i>Routing</i> | Delete Multiple | | ✓ |
| <i>Links</i> | | | |
| <i>List</i> | | | |
| <i>Integrations</i> | Revision UI | | ✓ |



Drupal 8.2

| Feature | | Core | Contrib |
|--------------------------|-------------|------|---------|
| <i>Storage & API</i> | | | |
| <i>Access Control</i> | Permissions | | ✓ |
| <i>Routing</i> | List | ✓ | |
| <i>Links</i> | | | |
| <i>List</i> | | | |
| <i>Integrations</i> | | | |



Drupal 8.3

| Feature | | Core | Contrib |
|--------------------------|------------------|------|---------|
| <i>Storage & API</i> | Published Status | ✓ | |
| <i>Access Control</i> | | | |
| <i>Routing</i> | | | |
| <i>Links</i> | | | |
| <i>List</i> | | | |
| <i>Integrations</i> | | | |



Drupal 8.4

| Feature | | Core | Contrib |
|--------------------------|----------------|------|---------|
| <i>Storage & API</i> | Bundle Classes | | ✓ |
| <i>Access Control</i> | | | |
| <i>Routing</i> | | | |
| <i>Links</i> | | | |
| <i>List</i> | | | |
| <i>Integrations</i> | | | |



Drupal 8.5

| Feature | | Core | Contrib |
|--------------------------|---------------------|------|---------|
| <i>Storage & API</i> | | | |
| <i>Access Control</i> | | | |
| <i>Routing</i> | | | |
| <i>Links</i> | Local Actions | | ✓ |
| <i>List</i> | Overview Permission | | ✓ |
| <i>Integrations</i> | | | |



Drupal 8.6

| Feature | | Core | Contrib |
|--------------------------|-----------------|------|---------|
| <i>Storage & API</i> | | | |
| <i>Access Control</i> | Query Access | | ✓ |
| <i>Routing</i> | Delete Multiple | ✓ | 8.1 |
| <i>Links</i> | | | |
| <i>List</i> | | | |
| <i>Integrations</i> | | | |



Drupal 8.7

| Feature | | Core | Contrib |
|--------------------------|-----------------|------|---------|
| <i>Storage & API</i> | Owner | ✓ | |
| <i>Access Control</i> | | | |
| <i>Routing</i> | Duplicate | | ✓ |
| <i>Links</i> | Local Tasks | | ✓ |
| <i>List</i> | Bulk Operations | | ✓ |
| <i>Integrations</i> | | | |



Drupal 8.8, 8.9, 9.0, 9.1 & 9.2

| Feature | Core | Contrib |
|--------------------------|------|---------|
| <i>Storage & API</i> | | |
| <i>Access Control</i> | | |
| <i>Routing</i> | | |
| <i>Links</i> | | |
| <i>List</i> | | |
| <i>Integrations</i> | | |



Drupal 9.3

| Feature | | Core | Contrib |
|--------------------------|----------------|------|---------|
| <i>Storage & API</i> | Bundle Classes | ✓ | 8.4 |
| <i>Access Control</i> | | | |
| <i>Routing</i> | | | |
| <i>Links</i> | | | |
| <i>List</i> | | | |
| <i>Integrations</i> | | | |



Drupal 9.4, 9.5 & 10.0

| Feature | Core | Contrib |
|--------------------------|------|---------|
| <i>Storage & API</i> | | |
| <i>Access Control</i> | | |
| <i>Routing</i> | | |
| <i>Links</i> | | |
| <i>List</i> | | |
| <i>Integrations</i> | | |



Drupal 10.1

| Feature | | Core | Contrib |
|--------------------------|-------------|------|---------|
| <i>Storage & API</i> | | | |
| <i>Access Control</i> | | | |
| <i>Routing</i> | | | |
| <i>Links</i> | | | |
| <i>List</i> | | | |
| <i>Integrations</i> | Revision UI | ✓ | 8.1 |



Drupal 10.2

| Feature | | Core | Contrib |
|--------------------------|---------------------|------|---------|
| <i>Storage & API</i> | | | |
| <i>Access Control</i> | | | |
| <i>Routing</i> | | | |
| <i>Links</i> | | | |
| <i>List</i> | Overview Permission | ✓ | 8.5 |
| <i>Integrations</i> | | | |



Drupal 10.3

| Feature | Core | Contrib |
|--------------------------|------|---------|
| <i>Storage & API</i> | | |
| <i>Access Control</i> | | |
| <i>Routing</i> | | |
| <i>Links</i> | | |
| <i>List</i> | | |
| <i>Integrations</i> | | |



Drupal ???

| Feature | | Core | Contrib |
|--------------------------|------------------------------|------|---------|
| <i>Storage & API</i> | Changed Tracking | | |
| <i>Access Control</i> | | | |
| <i>Routing</i> | | | |
| <i>Links</i> | Menu Links, Contextual Links | | |
| <i>List</i> | Generic List, Drag and Drop | | |
| <i>Integrations</i> | | | |



Code

gitlab.com/tstoeckler/drupal-entity-examples





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