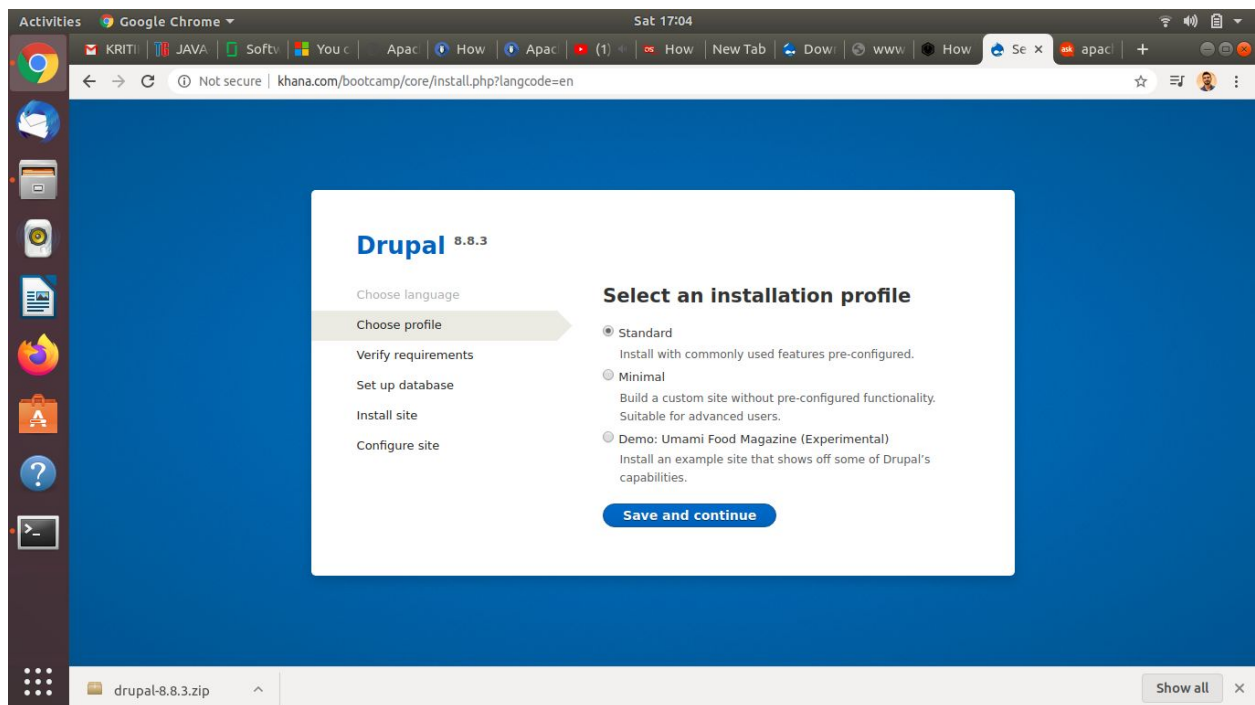
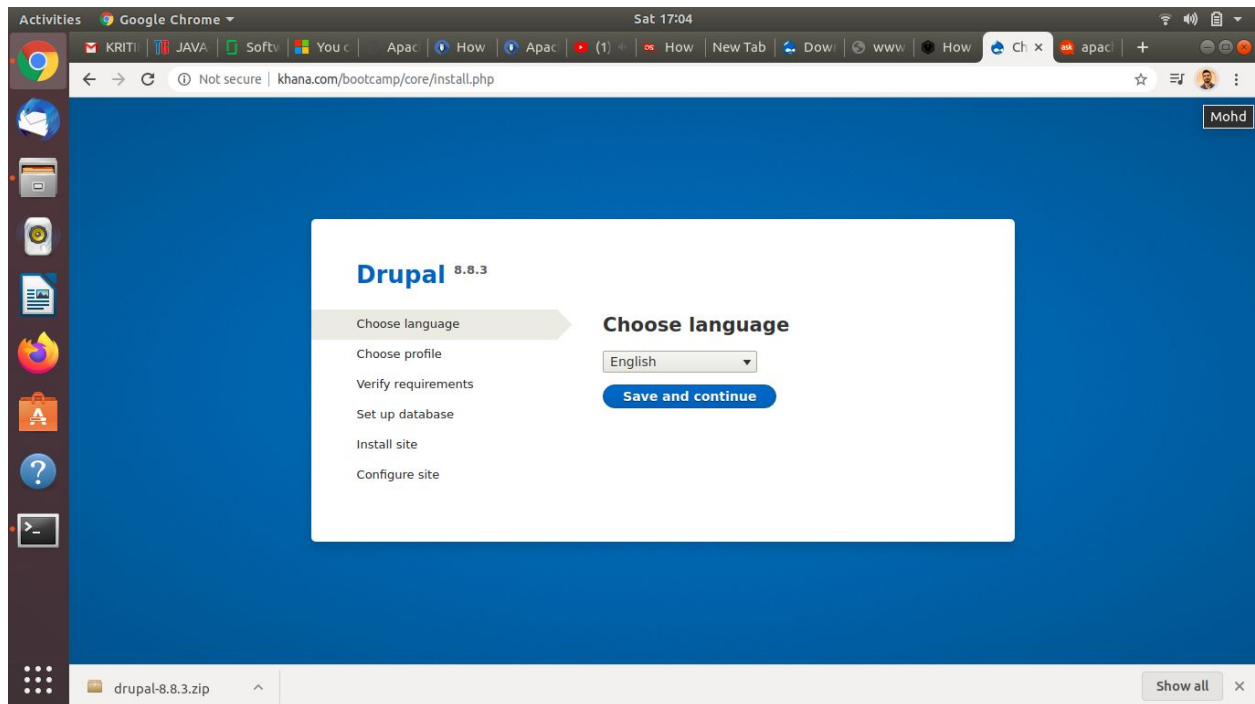
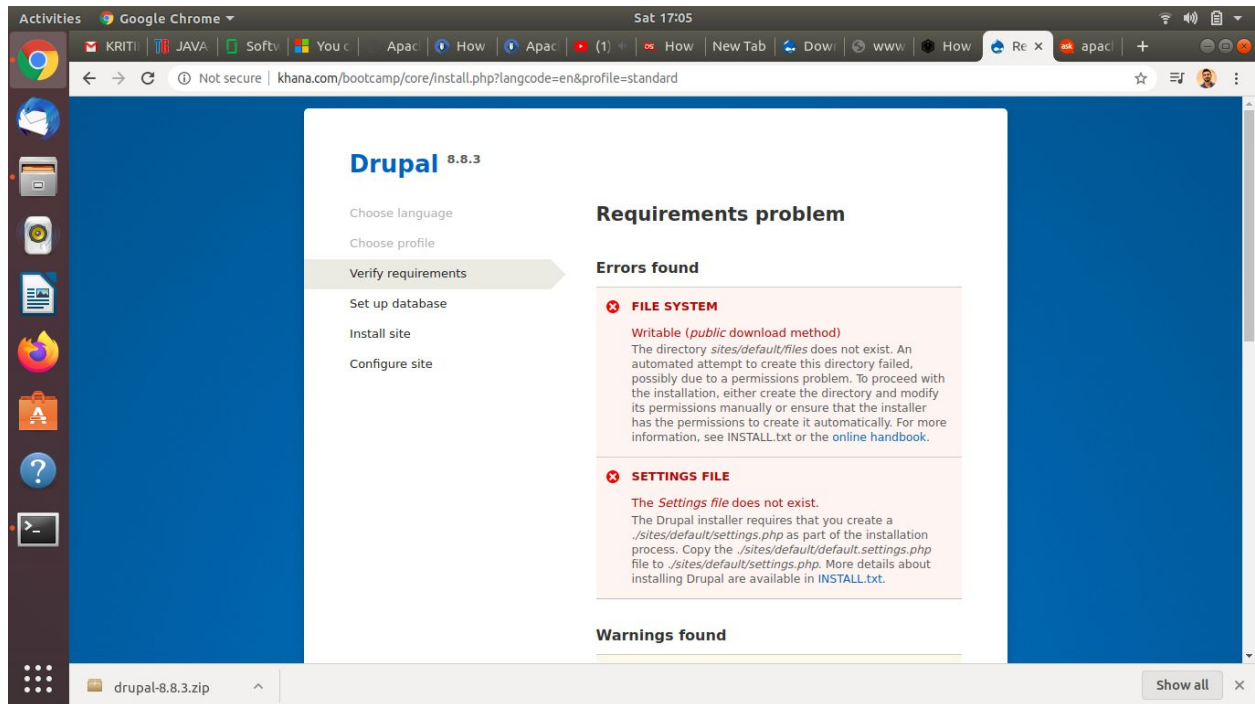
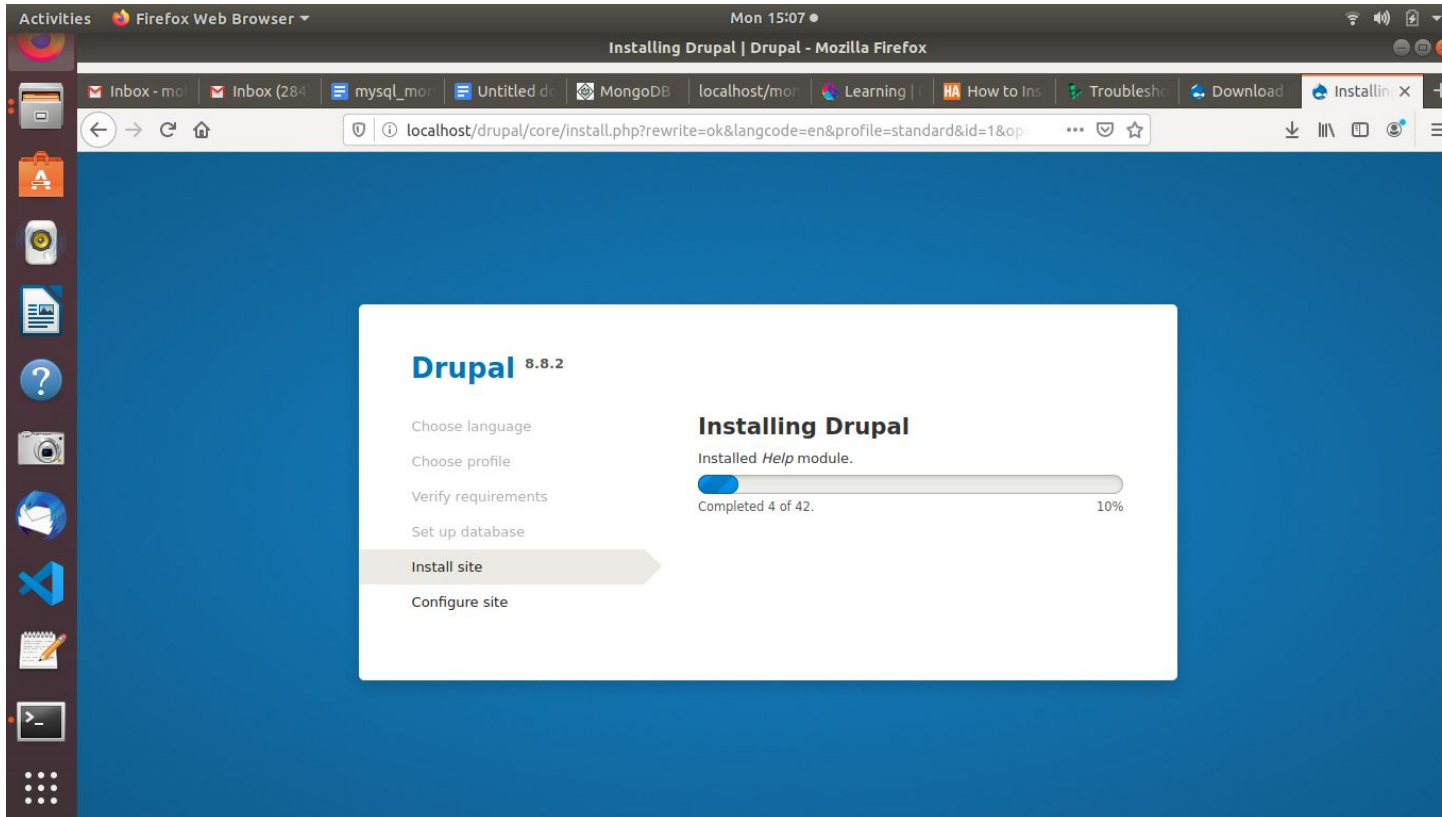


1. Install a fresh drupal named as "Bootcamp2020"







2. Write down the name of bydefault field-types available in Drupal 8.

Ans : Drupal 8 ships with a big library of base classes which allow you to work with your very own content. When it comes to content entities you want to use Fields. It is important to understand Fields as that is where your entities store their data.

- [boolean](#)
- [changed](#)
- [comment](#)
- [created](#)
- [datetime](#)
- [daterange](#)
- [decimal](#)
- [email](#)
- [entity_reference](#)
- [file](#)
- [float](#)
- [image](#)
- [integer](#)

- [language](#)
- [link](#)
- [list_float](#)
- [list_integer](#)
- [list_string](#)
- [map](#)
- [password](#)
- [path](#)
- [string](#)
- [string_long](#)
- [telephone](#)
- [text](#)
- [text_long](#)
- [text_with_summary](#)
- [timestamp](#)
- [uri](#)
- [uuid](#)

3. Create a new Content Type named as "Book" with below fields -

Book Name (Text)

Description (Text - Formatted long)

Book Image (Image)

Book Price (Number - Integer)

Book Author (Text)

Activities Firefox Web Browser Tue 10:10

Manage fields | ttn.com - Mozilla Firefox

Learning | Dashbo X (27) Drupal 8 Begi X Manage fields | ttn X Untitled document X Exercise for Gettli X FieldTypes, Fieldv X book

localhost/drupal/admin/structure/types/manage/books/fields?destinations[0]=drupal/admi

Back to site Manage Shortcuts debian-sys-maint

Content Structure Appearance Extend Configuration People Reports Help

Home » Administration » Structure » Content types » Books

✓ Saved book name configuration.

+ Add field

LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Body	body	Text (formatted, long, with summary)	Edit
Book Author	field_book_author	Text (plain)	Edit
Book Image	field_book_image_	Image	Edit
book name	field_book_name	Text (formatted)	Edit
Book Price	field_book_price	Number (integer)	Edit
Description	field_description	Text (formatted, long)	Edit

4 . Arrange the fields in same order as above using "Manage Form Display".

The screenshot shows the 'Manage form display' page for the 'books' content type in Drupal 8. The interface is viewed through a Firefox browser on a local host. The top navigation bar includes 'Back to site', 'Manage', 'Shortcuts', and the user 'debian-sys-maint'. The main navigation tabs are 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', 'Reports', and 'Help'. The 'Structure' tab is active, showing a list of fields for the 'books' content type. The fields are arranged in a table with columns for the field name, the widget type, and additional settings. The 'book name*' field is highlighted in yellow. Below the list of fields, there is a 'Disabled' section indicating that no fields are hidden. A 'Save' button is located at the bottom left of the page.

Field	Widget	Settings
Published	Single on/off checkbox	Use field label: Yes
Body	Text area with a summary	Number of rows: 9 Number of summary rows: 3
book name*	Text field	Textfield size: 60
Description	Text area (multiple rows)	Number of rows: 5
Book Image	Image	Preview image style: Thumbnail (100x100) Progress indicator: throbber
Book Price	Number field	No placeholder
Book Author	Textfield	Textfield size: 60

Disabled

No field is hidden.


Save

5. Create 1 node using above content type. Node should contain all fields value without label in same order as above.

The screenshot shows a Mozilla Firefox browser window displaying a Drupal 8 node titled "maths". The browser's address bar shows the URL "localhost/drupal/node/1". The Drupal interface includes a top navigation bar with tabs for "Manage", "Shortcuts", and the user "debian-sys-maint". Below this is a secondary navigation bar with links for "Content", "Structure", "Appearance", "Extend", "Configuration", "People", "Reports", and "Help". On the left side, there is a sidebar with a "Search" box and a "Tools" section containing a link to "Add content". The main content area displays the node "maths" with buttons for "View", "Edit", "Delete", and "Revisions". Below these buttons, it states "Submitted by [debian-sys-maint](#) on Tue, 03/03/2020 - 04:50" and "Math for IIT JEE 2020". The "Description" field contains the text "This is best book for IIT". Below the description, there are two fields: "Book Image" and "Book Price". The "Book Image" field contains a book cover for "Functional Skills Maths Level 1" by CGP, with the text "Study & Test Practice" at the bottom. The "Book Price" field contains the value "375". To the right of the "Book Price" field, there are two more fields: "Book Author" with the value "rahul ray" and "book name" with the value "maths for IIT".

6. Download and Install Contrib Module "Admin Toolbar".

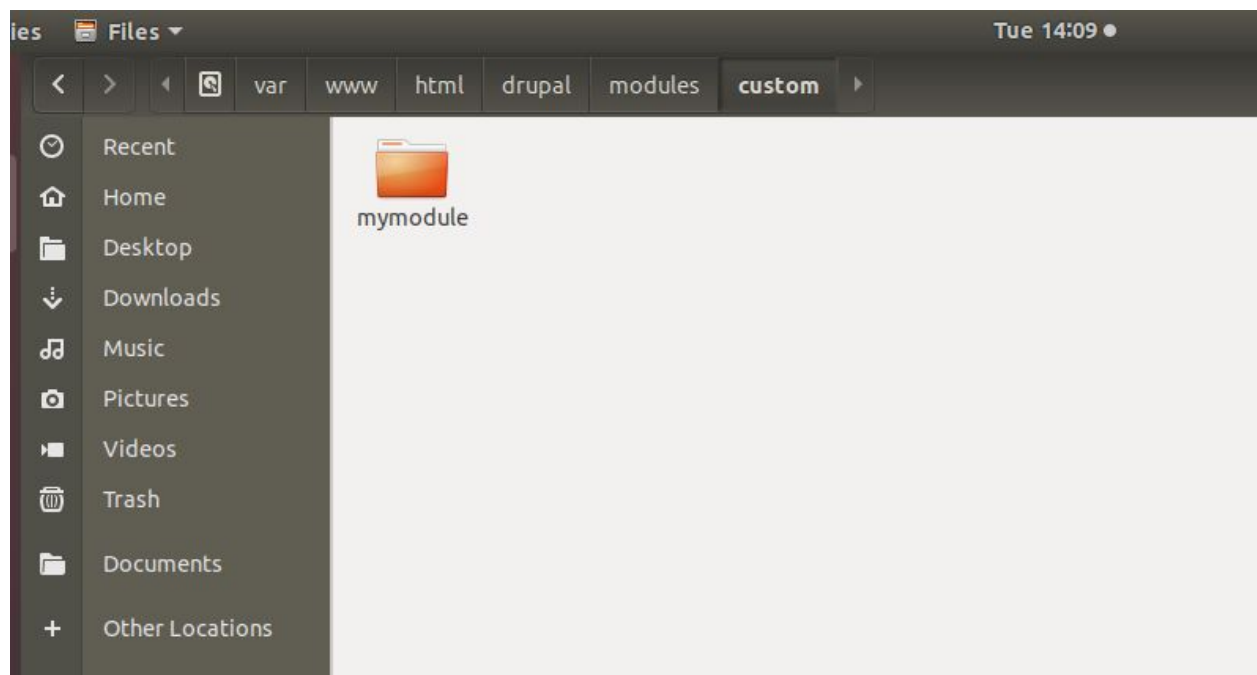
Downloads

8.x-2.0  released 29 October 2019

✓ Recommended by the project's maintainer.

Some users reported a problem after upgrade in 3093628. They solved the issue just by cleaning the cache.

↓ [tar.gz \(31.64 KB\)](#) | [zip \(51.51 KB\)](#)



Activities

Firefox Web Browser

Tue 14:08

Extend | ttn.com - Mozilla Firefox

Learning | Dasl X Learning | Dasl X (27) WWE R X Untitled docum X Exercise for Ge X FieldTypes, File X Extend | ttn.co

localhost/drupal/admin/modules

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Content Structure Appearance Extend Configuration People Reports Help

Extend

List Update Uninstall

Home » Administration

Module *Admin Toolbar* has been enabled.

There was a problem checking available updates for your modules or themes.

Download additional contributed modules to extend your site's functionality.

Regularly review and install available updates to maintain a secure and current site. Always run the update script each time a module is updated.

+ Install new module

Filter by name or description

Enter a part of the module name or description


CORE

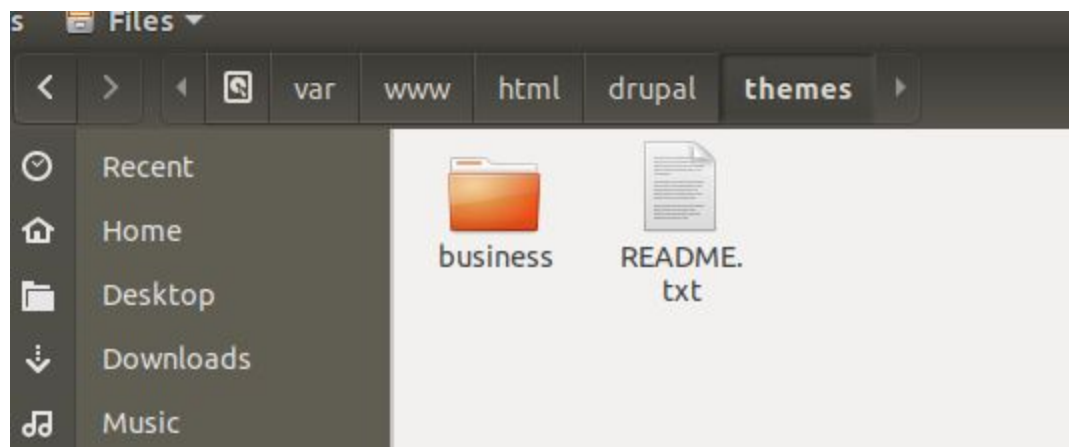
Actions

Perform tasks on specific events triggered within the system.

7. Download, Install and set as default Contrib Theme "Business".

Downloads

8.x-1.7  released 7 October 2016
✓ Recommended by the project's maintainer.
↓ [tar.gz \(981.74 KB\)](#) | [zip \(989.04 KB\)](#)



Activities

Firefox Web Browser

Tue 14:38

Appearance | ttn.com - Mozilla Firefox

Learning | Dasl x Learning | Dasl x (27) Top son x Untitled docum x Choose langua x Exercise for Ge x Business | D

localhost/drupal/admin/appearance

Back to site Manage Shortcuts Search debian-sys-maint

Content Structure Appearance Extend Configuration People Reports Help


Tools

Add content


You can place blocks for each theme on the [block layout](#) page.

+ Install new theme

Installed themes



Business 8.x-1.7 (default theme)
Business is a Responsive business Drupal 8 theme. Developed by [Dropt](#)
[Settings](#)



Bartik 8.8.2 (administration theme)
A flexible, recolorable theme with many regions and a responsive, mobile-first design.
[Settings](#) [Set as default](#)

8. Create a custom module with `"/getnodes"` path, Display all published nodes title on this page.

```
! module_hero.info.yml • ! module_hero.routing.yml
var > www > html > drupal > modules > custom > module_hero > ! module_hero.info.yml
1  name : "Module Hero"
2  description: "We are going to be Drupal 8 module heros at the end"
3  type: module
4  core: 8.x
5
```

```
! module_hero.info.yml • NodesController.php × ! module_hero.routing.yml
var > www > html > drupal > modules > custom > module_hero > src > Controller > NodesController.php > ...
1  <?php
2
3  namespace Drupal\module_hero\Controller;
4  use Drupal\Core\Controller\ControllerBase;
5
6  class NodesController extends ControllerBase {
7      public function getNodes()
8      {
9
10     $query = \Drupal::entityQuery('node')
11         ->condition('status', 1) //published or not
12         // ->condition('type', 'news') //content type
13         ->pager(10); //specify results to return
14     $nids = $query->execute();
15
16     foreach ($nids as $nid) {
17         $node = \Drupal\node\Entity\Node::load($nid);
18         $body = $node->body->value;
19         $title = $node->title->value;
20         print_r($title);
21         echo "<br>";
22     }
23     die;
24     return [
25         | '#type' => 'markup',
26         | '#markup' => '<ol>' . $title . '</ol>',
27         | ];
28
29
```

```
! module_hero.info.yml • ! module_hero.routing.yml ×
var > www > html > drupal > modules > custom > module_hero > ! module_hero.routing.yml
1  module_hero.testflt:
2    path: '/getnodes'
3    defaults:
4      _controller: 'Drupal\module_hero\Controller\NodesController::getNodes'
5      _title: 'Test Node Controller'
6    requirements:
7      _permission: 'access_content'
8
```

