Drupal 8

# Drupal 8 Installation

* Enable opcache by adding the below lines in php.ini – apache ->config (xampp control panel)

***[opcache]***

***zend\_extension=php\_opcache.dll***

***;Determines if Zend OPCache is enabled***

***opcache.enable=1***

* Download drupal 8 folder and create a db and hit drupal8/core/install.php

# Drupal 8 Block form and entity query

* <https://www.sitepoint.com/building-drupal-8-module-blocks-forms/>
* <https://api.drupal.org/api/drupal/core!lib!Drupal.php/function/Drupal%3A%3AentityQuery/8.2.x>
* <https://www.drupal.org/node/1827278>
* <https://api.drupal.org/api/drupal/core!lib!Drupal.php/function/Drupal%3A%3AentityQuery/8.2.x>

# Drupal 8 update drupal core

### Automated Updates with Drush

If you're using [Drush](http://docs.drush.org/en/8.x/), you can check for available updates: drush ups

Put the site into maintenance mode before updating using:

**drush sset system.maintenance\_mode 1**

**drush cr**

Execute the updates:

Update Drupal core: **drush up drupal**  
Update a single module: **drush up module\_name (not needed)**  
Only apply security updates: **drush up --security-only (not needed)**

This is a more selective/cautious approach to updating everything with drush up

Next, apply any required database and entity updates:  
**drush updb  
drush entup (not needed)**

Also go through step **5. Re-apply any modifications** and **6. If using Composer to manage PHP libraries** below if you have made any modifications to files such as .htaccess, composer.json, or robots.txt, as Drush doesn't do this.

Now check your site is OK - look at the status report page, test the site, and finally turn maintenance mode off if applicable:

**drush sset system.maintenance\_mode 0**

**drush cr**

### Manually upgrade drupal core

1) Take code folder backup

2) Put site into Maintenance Mode (configuration->Development->maintenance mode)  
3) Download Drupal Core 8.4.0 and Unzip  
4) Remove all files and folders in my current install except for the SITE, THEMES and MODULES folder  
5) Install all new files and folders within Drupal Core 8.4.0 except for SITE, THEMES and MODULES folder  
6) Take database backup.  
7) After files were uploaded, I visited website.com/update.php (This is where I noticed there were no pending updates)  
8) Cleared site cache  
9) Disabled and enabled Maintenance Mode  
10) Ran through these steps a 2nd time  
11) NOTHING!

# Add image uri in views

<https://drupal.stackexchange.com/questions/138098/how-can-i-get-image-url-in-a-views-field-d8>

When setting up your view, under the advanced section you can create a relationship for the image field.

After you added the relationship, you can then add a File URI field, select the created relationship and you are good to go.

# Rest API

## Inbuilt rest API

### CRUD node

Learn Drupal 8 - REST API Part1 & 2 – youtube link –

<https://www.youtube.com/watch?v=DnZo5lMICKc>

<https://www.youtube.com/watch?v=Wxoty5nX7BQ>

* **Create node (use POST)**

**Postman**

**url :** [http://drupal8.local/entity/node](http://drupal8.local/entity/node?_format=json)

(if any error use this : <http://drupal8.local/entity/node?_format=json>)

**Header:** (automatically generates)

Content-Type application/hal+json

Authorization Basic YWRtaW46YWRtaW4=

**Authorization:**

Basic Auth uname and pass

**Body (raw) :**

{

"\_links":{

"type": {

"href": "http://drupal8.local/rest/type/node/halls"

}

},

"title": [{"value":"Creating node"}],

"field\_short\_description": [{"value":"ssdsad"}],

"body": [{"value":"D"}]

}

* **Update node**

**Postman (use PATCH)**

**url :** <http://drupal8.local/node/10>

**Header:** (automatically generates)

Content-Type application/hal+json

Authorization Basic YWRtaW46YWRtaW4=

**Authorization:**

Basic Auth uname and pass

**Body (raw) :**

{

"\_links":{

"type": {

"href": "http://drupal8.local/rest/type/node/halls"

}

},

"title": [{"value":"Updating node"}],

"field\_short\_description": [{"value":"ssdsad"}],

"body": [{"value":"D"}]

}

* **Delete node (use DELETE)**

**Postman**

**url :** <http://drupal8.local/node/10>

**Header:** (automatically generates)

Content-Type application/hal+json

Authorization Basic YWRtaW46YWRtaW4=

**Authorization:**

Basic Auth uname and pass

**Body (raw) : (optional)**

{

"\_links":{

"type": {

"href": "http://drupal8.local/rest/type/node/halls"

}

},

"title": [{"value":"Updating node"}],

"field\_short\_description": [{"value":"ssdsad"}],

"body": [{"value":"D"}]

}

* **Read nodes (use DELETE)**

<http://redcrackle.com/blog/rest-export-views-drupal-8> **(can be ignored)**

Learn Drupal 8 - REST API Part1– youtube link –

<https://www.youtube.com/watch?v=DnZo5lMICKc>

Create view rest export from above link

2 displays

1 – display all contents (url : halls)

2 – using contextual filter (url : halls/5)

**Postman (use GET)**

**url :** <http://drupal8.local/export/halls/10>

<http://drupal8.local/export/halls>

**Header:** (automatically generates)

Authorization Basic YWRtaW46YWRtaW4=

**Authorization:**

Basic Auth uname and pass

## custom rest API

<https://www.chapterthree.com/blog/custom-restful-api-drupal-8>

# Drush installation on windows using composer for drupal 8

## drush 8 n 7

<https://ayesh.me/drush-8-windows-7-8-10>

1. Download compose exe file from <https://getcomposer.org/download/>
2. Check in cmd or git bash **composer –V**
3. Install drush - **composer global require drush/drush:8.\***
4. Check in cmd or git bash **drush version**
5. Go to drupal8project and open git bash – **drush cache re-build (drush cr)**
6. Got to drupal7project and open git bash – **drush cc all**

(throws error – drupal not found

Add in PATH user environment variables - C:\xampp\mysql\bin\

Or

export PATH=/c/xampp/mysql/bin/:$PATH (temporary – it will go after restarting machine)

)

# Video embed field module

<https://www.ostraining.com/blog/drupal/d8-embeds/>

Download video embed module and install enable

Content type -> manage fields -> add new with media – video embed

Add content type youtube video url

View the content

Manage display – thumbnail and image style or video embed and add responsive width height.

# Video embed wysiwyg field module – youtube etc videos

<https://www.youtube.com/watch?v=3UMTtLlpaus>

Download video embed wysiwyg module and install enable

Configuration -> content authoring -> text format and editors -> basic html ->configure ->

Drag video embed icon -> enable video embed wysiwyg checkbox

Add content type -> body -> video icon -> youtube video url

View the content

# Media entity module – creates separate media bundle ct and shows all the medias

<https://www.youtube.com/watch?v=SwKYThe3x7w>

Download media entity module, install and enable

Structure content type -> media bundle -> add field manage fields -> image -> manage display

Content -> media tab -> add media (like content) -> **title** : image gallery , **image** : add images (unlimited)

U can check this in files and media

# Angular + drupal

<https://www.youtube.com/watch?v=XOIOrNKh3FI>

# Node load and field access

<http://www.zyxware.com/articles/5555/drupal-how-can-we-load-node-file-taxonomy-entities-by-id-in-drupal-8>

# Variable get set

// Just get the site name (with overrides, same as before).

$site\_name = \Drupal::config('system.site')->get('name');

// Set the site name.

\Drupal::configFactory()->getEditable('system.site')->set('name', 'My fantastic site')->save();

<https://www.drupal.org/node/2407153>

# Webform

In node attach webform, can pass default value as field in node.

Contact form – fields from content type & webform fields has its own

Contact form – no store submission , for storage use **contact storage** module – shows u list of submissions tab in contact form

**Manage form display->** changes the display of form outside.

**Manage display** – changes the form display in backend submission list and email (only view/list the msg)

For all extra fields -> extends-> **Webform Examples** enable and see the smaples

Edit -> add elements and page

## Conditional logic

to every element -> can it b made required

For eg

* Email
* Phone

Email txbox / phone (make require)

Add state – required to the element for required (only js/clientside)

## Check emails

Default/files/email-log/

Custom email address for specific dropdown option -

## R n D

Try dragging the field n chng yml code

# Custom theme – ref bartik theme

## Enable the theme using below steps

### Create folder **drop**

### Create file **drop.info.yml**

# This theme is marked as @internal. It is intended to evolve and change over

# minor releases.

# Change record https://www.drupal.org/node/2673014.

# As the UI of Drupal improves between minor versions, the mark up and assets

# in the Bartik theme will change. The Bartik theme is not backwards

# compatible. If you wish to modify the output or assets of Bartik you can:

# 1. Copy the whole of Bartik and rename it as your own theme. You will need to

# manually manage your own updates if you want to stay up to date with Bartik's

# bug fixes and feature support.

#

# 2. Sub-theme Bartik. This is only recommended if you want to make minor

# tweaks and understand that Bartik could break your modifications as it

# changes.

name: Drop

type: theme

base theme: classy

description: 'A flexible, recolorable theme with many regions and a responsive, mobile-first layout.'

package: Core

## Add css js libraries

### In **drop.info.yml** file

# version: VERSION

# core: 8.x

libraries:

- drop/global-styling

# Information added by Drupal.org packaging script on 2017-08-16

version: '8.3.7'

core: '8.x'

project: 'drupal'

datestamp: 1502903957

### Add file **drop.libraries.yml – short it to theme**

global-styling:

version: VERSION

css:

**theme**:

css/colors.css: {}

css/print.css: { media: print }

### Add **css** folder – files needed

# For full fledged bartik theme

### In file **drop.libraries.yml**

global-styling:

version: VERSION

css:

base:

css/base/elements.css: {}

component:

css/components/block.css: {}

css/components/book.css: {}

css/components/breadcrumb.css: {}

css/components/captions.css: {}

css/components/comments.css: {}

css/components/contextual.css: {}

css/components/demo-block.css: {}

# @see https://www.drupal.org/node/2389735

css/components/dropbutton.component.css: {}

css/components/featured-top.css: {}

css/components/feed-icon.css: {}

css/components/field.css: {}

css/components/form.css: {}

css/components/forum.css: {}

css/components/header.css: {}

css/components/help.css: {}

css/components/highlighted.css: {}

css/components/item-list.css: {}

css/components/list-group.css: {}

css/components/list.css: {}

css/components/main-content.css: {}

css/components/menu.css: {}

css/components/messages.css: {}

css/components/node.css: {}

css/components/node-preview.css: {}

css/components/page-title.css: {}

css/components/pager.css: {}

css/components/panel.css: {}

css/components/primary-menu.css: {}

css/components/search-form.css: {}

css/components/search-results.css: {}

css/components/secondary-menu.css: {}

css/components/shortcut.css: {}

css/components/skip-link.css: {}

css/components/sidebar.css: {}

css/components/site-branding.css: {}

css/components/site-footer.css: {}

css/components/table.css: {}

css/components/tablesort-indicator.css: {}

css/components/tabs.css: {}

css/components/text-formatted.css: {}

css/components/toolbar.css: {}

css/components/featured-bottom.css: {}

css/components/password-suggestions.css: {}

css/components/ui.widget.css: {}

# @see https://www.drupal.org/node/2389735

css/components/vertical-tabs.component.css: {}

css/components/views.css: {}

css/components/buttons.css: {}

css/components/image-button.css: {}

css/components/ui-dialog.css: {}

layout:

css/layout.css: {}

**theme**:

css/colors.css: {}

css/print.css: { media: print }

messages:

version: VERSION

css:

component:

css/components/messages.css: { preprocess: false }

color.preview:

version: VERSION

css:

theme:

color/preview.css: {}

js:

color/preview.js: {}

dependencies:

- color/drupal.color

maintenance\_page:

version: VERSION

css:

theme:

css/maintenance-page.css: {}

dependencies:

- system/maintenance

- drop/global-styling

### Add **templates** folder

### Add **css** folder – files needed

# Redirection

* $location .= '/2';

$response = new \Symfony\Component\HttpFoundation\RedirectResponse('/'.$location);

$response->send();

return;

* $location .= '/2';

$redirect = \Drupal::pathValidator()

         ->getUrlIfValid($location);

       $form\_state->setRedirectUrl($redirect);

# Menu

Controller function in routing yml

Clear cache for menu changes

## If entity node in menu arguments

* path: '/question\_answer/{node1}/{node2}'

defaults:

\_controller: '\Drupal\question\_answer\Controller\QuestionAnswerController::content'

\_title: 'Question Answer'

options:

parameters:

node1:

type: entity:node

node2:

type: entity:node

* public function content(NodeInterface $node1, NodeInterface $node2) {

return array(

'#type' => 'markup',

'#markup' => $this->t('Hello @name', array('@name' => $node1->id())),

# Get query string / arg from url

$question\_nid = \Drupal::request()->query->get('question\_nid');

**For** : http://drop8.local/node/add/answer?question\_nid=7

# No cache require

<https://www.drupal.org/node/2598914>

**file paragraphs – ldu545**

field--node--field-home-slider--dwight-home.html.twig -- items loop

field--paragraph--field-media-source--home-spotlight-slider.html.twig – items loop n fields

paragraph--home-spotlight-slider.html.twig – content.fieldname

**node fields display text, url**

{{ node.field\_quote\_subtext.value |raw }} - text

{{ content.field\_read\_more\_link.0['#url'] }} - link

{{ content.field\_read\_more\_link.0['#title] }}

{{ content.field\_our\_pillars }} - paragraph

==

Remainng

Right sticky

<http://staging.dwightschooldubai.ae/academics/academics-overview>

<http://staging.dwightschooldubai.ae/admission/apply-now>

side bar <http://staging.dwightschooldubai.ae/academics/academics-overview>

views file check <http://staging.dwightschooldubai.ae/news-and-events/index>

<http://staging.dwightschooldubai.ae/news-and-events/events-calendar>

<http://staging.dwightschooldubai.ae/contact-us/general-inquiry>