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# Introduction

This document contains helpful links to various documentation about Drupal development, local development environments, version control, modules, and more.

This is meant to act as a quick reference guide for Drupal documentation and does not act as documentation for any of the Humber ITS websites.

# Drupal

## Stack

Drupal is based on the LAMP stack: Linux, Apache, MySQL, and PHP Scripting Language.

Drupal can also run on other technology stacks. For example:

* Windows, Mac or Linux
* Apache, Nginx or IIS
* PostgreSQL, SQLite, or MySQL

## Modules

Modules extend functionality and add features. Installing the feature adds functionality, while uninstalling it removes it. Modules increase the time needed to generate a page, so it is important to only keep modules you use installed and remove the unused ones.

### Installing Modules

<https://www.drupal.org/docs/extending-drupal/installing-modules>

### Using Composer to Manage Dependencies

<https://www.drupal.org/docs/develop/using-composer/manage-dependencies#adding-modules>

### Useful Modules

#### ADMIN TOOLBAR

Improves default toolbar with additions such as drop-down menus, version control, and more.

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

**TODO:** Add modules from [Building a Drupal site with Git | Installing Drupal | Drupal Wiki guide on Drupal.org](https://www.drupal.org/docs/installing-drupal/building-a-drupal-site-with-git)

#### Album Photos

Needs to be compared to core photos module to see if this is necessary or not.

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

#### Video

Allows you to host and play videos on the platform.

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

#### Force users to login

<https://www.drupal.org/project/r4032login> (Seems to have more users and better response times)

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

#### PathAuto

PathAuto is used to automatically generate unique URL’s for new content rather than node/1 style URLs.

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

<https://ostraining.com/blog/drupal/pathauto-2/> (Instructions)

### Field Group

Allows you to group fields so that they are easier to organize.

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

### LDAP / Active directory integration

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

& Instructions: <https://www.drupal.org/docs/contributed-modules/ldap-integration/ldap-user-role-mapping>

### Field Permissions

Provides field level permissions for different roles.

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

#### Delete Unused Files

This module requires updating to Drupal 10 before it can be used:

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

# Version Control

## Git

### Building a Drupal site with Git

Provides a detailed overview in a single page about using Git with Drupal. This page explains multiple parts of the dev cycle including **Git Branches, Merging Branches, Tagging, etc.**

<https://www.drupal.org/docs/installing-drupal/building-a-drupal-site-with-git>

### Managing File and Configuration Revisions with Git

<https://www.drupal.org/docs/user_guide/en/extend-git.html>

### Building a Drupal site with Git

<https://www.drupal.org/docs/installing-drupal/building-a-drupal-site-with-git>

### a successful Git Branching model

<https://nvie.com/posts/a-successful-git-branching-model/>

## Development Site

### Making a Development Site

<https://www.drupal.org/docs/user_guide/en/install-dev-making.html>

# Administration

## User Account Settings

### Configuring User Account Settings

<https://www.drupal.org/docs/user_guide/en/config-user.html>

# Maintenance

## Maintenance Mode

Presents message that the site is under maintenance to users who do not have the right permissions. Authorized users can maintain the site and update content during this time.

<https://www.drupal.org/docs/user_guide/en/extend-maintenance.html>

## Backup Data

### Concept: Data backups

<https://www.drupal.org/docs/user_guide/en/prevent-backups.html>

### Backup using command line

<https://www.drupal.org/docs/7/backing-up-and-migrating-a-site/back-up-your-site-using-the-command-line>

#### pg\_dump

<https://www.postgresql.org/docs/7.1/app-pgdump.html>

#### PG\_restore

<https://www.postgresql.org/docs/7.1/app-pgrestore.html>

## Updating

### Updating Core Software

<https://www.drupal.org/docs/user_guide/en/install-composer.html>

### Updating Modules

<https://www.drupal.org/docs/user_guide/en/security-update-module.html>

### Updating Theme

<https://www.drupal.org/docs/user_guide/en/security-update-theme.html>

# Additional Info

## Documentation

<https://www.drupal.org/documentation>

## Glossary

<https://www.drupal.org/docs/user_guide/en/glossary.html>

# Further Reading

## React for Drupal

<https://reactfordrupal.com/tutorials/react-for-drupal-developers>