

University of Minnesota

Self-Help Guide

GitHub: Using GitHub for Enterprise Drupal

This Self-Help Guide is intended to assist developers that are going to develop within the University of Minnesota Drupal environment. There are three primary tools that are needed: Git, GitHub, and UMN Drupal (which consists of: Docker and DDEV to be able to run Drupal locally; a copy of the UMN Drupal codebase; a copy of your site's database and files).

Note: The OIT Drupal platform does not currently support site owners storing their site repositories on the [UMN Github Cloud](#) instance. We will send an announcement to our [Drupal Enterprise Platform Google Group](#) when that option becomes available. Presently, site owners must store their site repositories in the University On-Premise instance [Github.umn.edu](http://github.umn.edu).

Set Up Git and GitHub

Overview of Github.umn.edu and Git

Getting Started with GitHub

Overview of github.umn.edu

[/services-technologies/how-tos/github-service-summary](#)

Learn About Git

Getting Started with Git

<http://git-scm.com/book/en/v2/Getting-Started-About-Version-Control>

Pro Git book

<https://git-scm.com/book/en/v2>

No-cost, beginner-level course

Git Basic Concept Course

<https://www.codeschool.com/courses/try-git>

Paid, beginner-level course with free trial option

Set Up Git and GitHub

Git

Getting Started - Installing Git

<http://git-scm.com/book/en/v2/Getting-Started-Installing-Git>

Git Cheat Sheet

<https://services.github.com/on-demand/downloads/github-git-cheat-sheet.pdf>

UMN GitHub

Get Account from UMN Github

<https://github.umn.edu/login>

Errors Accessing UMN Github

</services-technologies/how-tos/github-service-summary>

Configure Your Github

How to Create an Organization in Github

<https://help.github.com/articles/creating-a-new-organization-account/>

How to Create an Organization in Github from Scratch

<https://help.github.com/articles/creating-a-new-organization-from-scratch/>

Adding Other Users to Your Organization

<https://help.github.com/articles/can-i-create-accounts-for-people-in-my-organiz...>

Generating SSH Keys to Simplify Logging In to Github

<https://help.github.com/articles/generating-ssh-keys/>

What is Secure Shell (SSH)?

</services-technologies/resources/use-secure-shell-ssh>

Docker, DDEV & UMN Drupal

Configure a Drupal Enterprise Local Environment

Set up a Drupal Enterprise Local Environment

Set up a Drupal Local Environment

</services-technologies/how-tos/drupal-enterprise-set-local-environment>

Set Up UMN Drupal to Run Locally

Configure Your UMN Drupal Code with Your UMN GitHub Repository

Code Workflow in UMN Drupal

</services-technologies/how-tos/drupal-enterprise-code-workflow>

Push Changes to Your Repository Using Git Shell

</services-technologies/how-tos/drupal-enterprise-updating-your-site>

Manage Your Drupal Site's Code

Working with Git

Managing Code with Git

Create and Manage GitHub Branches in github.umn.edu

</services-technologies/how-tos/drupal-create-manage-github-branches>

Push your code to GitHub

<https://guides.github.com/introduction/getting-your-project-on-github/#pushit>

Pull code from GitHub

<https://guides.github.com/introduction/getting-your-project-on-github/#pullit>

Working with Branches

Create and Manage GitHub Branches in github.umn.edu

</services-technologies/how-tos/drupal-create-manage-github-branches>

Create a Branch

<http://git-scm.com/book/en/v2/Git-Branching-Basic-Branching-and-Merging>

Move Between Branches

<http://git-scm.com/docs/git-checkout>

Merge Code Across Branches

<http://git-scm.com/docs/git-merge>

Resolving Merge Conflicts from the command line

<https://help.github.com/articles/resolving-a-merge-conflict-from-the-command-li...>

Git Branches in a Nutshell

<https://git-scm.com/book/en/v2/Git-Branching-Branches-in-a-Nutshell>

Git Essentials Merging Branches

<https://git-scm.com/book/en/v2/Git-Branching-Basic-Branching-and-Merging>

Handling Conflicts

Handling and Avoiding Conflicts in Git

<http://weblog.masukomi.org/2008/07/12/handling-and-avoiding-conflicts-in-git>

Resolving Merge Conflicts from the command line

<https://help.github.com/articles/resolving-a-merge-conflict-from-the-command-li...>

Git Inspection and Comparison

Git Status Command

<http://git-scm.com/docs/git-status>

Git Log Command

<http://git-scm.com/docs/git-log>

Git Diff Command

<http://git-scm.com/docs/git-diff>

Best Practices for a Git Message

5 Useful Tips For A Better Commit Message

<http://robots.thoughtbot.com/5-useful-tips-for-a-better-commit-message>

Writing good commit messages

<https://github.com/erlang/otp/wiki/Writing-good-commit-messages>

Command Line Interface

Windows Command Prompt in 15 Minutes

<http://www.cs.princeton.edu/courses/archive/spr05/cos126/cmd-prompt.html>

Introduction to the Mac OS X Command Line

<http://blog.teamtreehouse.com/introduction-to-the-mac-os-x-command-line>

Using Gitignore

Gitignore Documentation

<http://git-scm.com/docs/gitignore>

Using Gitignore

<https://www.atlassian.com/git/tutorials/saving-changes/gitignore>

Get Your Code to Your Online Drupal Site (aka Build Plans)

Deploying Drupal Code

Code Workflow in UMN Drupal

</services-technologies/how-tos/drupal-enterprise-code-workflow>

Pushing Changes to Your Repository

</drupal-enterprise-78-push-changes-your>