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.

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