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: Acquia Dev Desktop to be able to run Drupal locally; a copy of the UMN Drupal codebase; a copy of your site's database and files).

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

Git Essentials Training 2019

No-cost, beginner-level course

GitHub for Web Designers
No-cost, intermediate-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
Git Cheat Sheet

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
Acquia Dev Desktop & UMN Drupal

Configure a Drupal Enterprise 7 Local Environment

**Acquia Dev Desktop**

Download Acquia Dev desktop
https://www.acquia.com/downloads
Configure Acquia Dev Desktop
/node/18416

**Create a New UMN Drupal Site on Your Computer**

Install Drupal Locally
/node/18416
Log in to Your Local Drupal Site
/services-technologies/how-tos/drupal-enterprise-7-logging-in-your
Get a Copy of Your Site's Database and Files
/services-technologies/how-tos/drupal-enterprise-7-get-copy-your-sites

**Configure a Drupal Enterprise 8 Local Environment**

**Set up a Drupal Enterprise 8 Local Environment**

Set up a Drupal 8 Local Environment
/services-technologies/how-tos/drupal-9-set-local-environment

**Set Up UMN Drupal to Run Locally**

**Configure Your UMN Drupal Code with Your UMN GitHub Repository**

Install UMN Drupal Locally to Work with UMN GIT Repository
/node/18416
Code Workflow in UMN Drupal
Manage Your Drupal Site's Code

Working with Git

Managing Code with Git

Create and Manage GitHub Branches in github.umn.edu

Create a Branch


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


Git Essentials Branches

https://www.linkedin.com/learning/git-branches-merges-and-remotes/branching-over...

Git Essentials Merging Branches

https://www.linkedin.com/learning/git-branches-merges-and-remotes/merge-code?u=...
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

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.linkedin.com/learning/git-essential-training-the-basics/use-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-7-8-code-workflow
Pushing Changes to Your Repository
/drupal-enterprise-7-8-push-changes-your