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
https://www.linkedin.com/learning/github-for-web-designers?u=42740356&auth=true
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-organization/
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

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

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

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

Git Essentials Branches

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

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
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.linkedin.com/learning/git-essential-training-the-basics/use-gitigno...
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-7-9-code-workflow
Pushing Changes to Your Repository
/drupal-enterprise-78-push-changes-your