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
Pro Git book
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  
Git Cheat Sheet  

**UMN GitHub**

Get Account from UMN Github  
[https://github.umn.edu/login](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  
How to Create an Organization in Github from Scratch  
Adding Other Users to Your Organization  
Generating SSH Keys to Simplify Logging In to Github  
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/131821

Create a New UMN Drupal Site on Your Computer

Install Drupal Locally
/node/131821
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 9 Local Environment

Set up a Drupal Enterprise 9 Local Environment

Set up a Drupal 9 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

Install UMN Drupal Locally to Work with UMN GIT Repository
/node/131821
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
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 Branches in a Nutshell
Git Essentials Merging Branches

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-line...

Git Inspection and Comparison

Git Status Command
http://git-scm.com/docs/git-status
Git Log Command
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