

## 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

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

Git Essentials Training 2019

<https://www.linkedin.com/learning/git-essential-training-the-basics?u=42740356>

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

<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>

# 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

</services-technologies/how-tos/d7-obsolete-retired-drupal-enterprise-installing...>

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

Install Drupal Locally

</services-technologies/how-tos/d7-obsolete-retired-drupal-enterprise-installing...>

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-enterprise-8-set-drupal-8-local>

### 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

</services-technologies/how-tos/d7-obsolete-retired-drupal-enterprise-installing...>

Code Workflow in UMN Drupal

[/services-technologies/how-tos/drupal-enterprise-7-8-code-workflow](#)

Push Changes to Your Repository Using Git Shell

[/services-technologies/how-tos/drupal-enterprise-78-push-changes-your](#)

## 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 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-7-8-code-workflow](#)

Pushing Changes to Your Repository

[/drupal-enterprise-78-push-changes-your](#)