Introduction to Github: Modern source code management for DSpace (workshop)

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Abstract

In May 2012[1], the DSpace committers moved the DSpace project from the centralized source code management system SVN to Github. While many participants in the community still regard this migration as a technical "under the hood" evolution, it comes with important benefits for repository managers and developers.

This workshop will feature a few short presentation parts:

- General, non-DSpace related Github basics
- How DSpace repository managers and committers use github
- A few must know details about the underlying Git protocol

The bulk of the workshop will be spent in guiding the participants with hands-on parts:

- Creating a Github account
- Forking their own DSpace repository
- Installing Git on their local laptops
- Using the Github Windows or Mac client for moving changes from their local machine back to Github

Participant Profile

This workshop is suited for both repository managers and developers. No prior programming or version control management is required.

As a consequences, this workshop will not bring anything new to seasoned developers if they are already experienced working with Git and Github.

Format

The ideal format would be a one hour session with around 20-50 attendees in a room where they can work on their own laptops. However, the content can be tuned to fit any format.

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[1] https://wiki.duraspace.org/display/DSPACE/Migration+to+GitHub