Introduction to Git CAT&DOG Git study 2013 Day 2

Eon Jeong

March 31, 2013

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Git, in comparison with Subversion

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	git	svn
topology	distributed	centralized
configuration	one at top	all recursive
mergeable	everything	b2t only
objects stored	itself	difference
mg. method	3-way	2-way
temp. save	multiple	local copy?
commit id	hexadec. hash	serial dec. no.

Git, in comparison with Subversion

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	git	svn
topology	distributed	centralized
configuration	one at top	all recursive
mergeable	everything	b2t only
objects stored	itself	difference
mg. method	3-way	2-way
temp. save	multiple	local copy?
commit id	hexadec. hash	serial dec. no.
on/offline	only possible in git	
branch cost	cheaper in git	
complexity	svn costs less ideally	
performance	git does much better	

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Create an empty repository in current directory, or reinitialize an existing one.

Post a new revision from files in the workspace.

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Stage(index) some file(s) to be committed.

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Get file(s) from a specific revision to the workspace.

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Show status of the workspace.

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List commits from recent ones and their references.

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with your projects from anywhere.

source community.

Share your code with the world and

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Pull Requests 0

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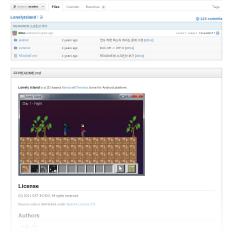
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How to create a GitHub repo

- 1. Click "Create a new repo"
- 2. Type name and description

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How to create a GitHub repo

- 1. Click "Create a new repo"
- 2. Type name and description
- 3. ???
- 4. PROFIT!

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Interacting with remote repositories

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Make a repository into a new subdirectory, with remote origin and its brances.

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Make a repository into a new subdirectory, with remote origin and its brances. Equivalent:

- ▶ (mkdir,cd)
- ▶ init
- ▶ remote add origin
- ▶ fetch origin
- ▶ checkout master

Apply a remote repository to the remote reference and attach branches to the corresponding upstream.

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Apply a remote repository to the remote reference and attach branches to the corresponding upstream.

Equivalent:

- ▶ fetch <remote>
- ▶ merge <branch>

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Update associated remote repositories and

references, applying changes from the local one.

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Second week's assignment

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Begin

1. Let me gather all your names!

- Fork Uni-/studying-repo.
- Clone your fork on a local system.
- Append your name on the list in README.md. (Note: no necessity it is real one.)
- Make a commit and push to your remote repo.

Second week's assignment

Eon Jeon Cithul

1. Let me gather all your names!

- ► Fork *Uni-/studying-repo*.
- Clone your fork on a local system.
- ► Append your name on the list in README.md. (Note: no necessity it is real one.)
- Make a commit and push to your remote repo.
- Write a pull request. (optional)