Workbook Git
Team Workflow

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Daftar Isi

Shared Repository

Penjelasan

Untuk sharing repository sehingga kita bisa melakukan satu pekerjaan bersama-sama

Panduan

No	Aktifitas	Hasil
1	Siapkan repository di server seperti pada latihan sebelumnya Di server git init --bare repo-latihan.git Di lokal git init repo-latihan git remote add repo-latihan-server server@server:repo-latihan.git git push repo-latihan-server master	Di Server Initialized empty Git repository in /home/ubuntu/tmp/repo-latihan.git/ Di Lokal Initialized empty Git repository in /home/jimmy/tmp/repo-latihan/.git/ Counting objects: 3, done. Writing objects: 100% (3/3), 228 bytes, done. Total 3 (delta 0), reused 0 (delta 0) To ubuntu@192.168.1.53:repo-latihan.git * [new branch] master -> master
2	Tambahkan akses untuk user di server dengan cara menambahkan public key user ke authorized_keys server cat jimmy.pub > ~/.ssh/authorized_keys	
3	User melakukan clone dari server@server:repo-latihan.git	Initialized empty Git repository in /home/jimmy/tmp/repo-latihan/.git/ remote: Counting objects: 3, done. Receiving objects: 100% (3/3), done. remote: Total 3 (delta 0), reused 0 (delta 0)
4	Tambahkan akses untuk user2 di server dengan cara menambahkan public key user2 ke authorized_keys server cat adi.pub > ~/.ssh/authorized_keys	
5	User2 melakukan clone dari server@server:repo-latihan.git	Initialized empty Git repository in /home/adi/latihan/repo-latihan/.git/ remote: Counting objects: 3, done. Receiving objects: 100% (3/3), done. remote: Total 3 (delta 0), reused 0 (delta 0)

Kesimpulan

Bahwa untuk sharing repository kita butuh satu server yang digunakan sebagai remote server. Dan client harus mendaftarkan public key mereka masing-masing ke server, sehingga bisa melakukan puss atau pull tanpa dimintai password. Dan client akan membuat repository local dengan cara clone dari repository remote.

Patch & Merge

Penjelasan

Panduan

No	Aktifitas	Hasil
1	User1 melakukan commit di local branch	
2	Konfigurasi Gmail git config --global sendemail.smtpserver smtp.gmail.com git config --global sendemail.smtpserverport 587 git config --global sendemail.smtpencryption tls git config --global sendemail.smtpuser your_email@gmail.com	
3	User1 membuat patch untuk dikirim via email mkdir /home/endy/tmp/patch-for-jimmy git format-patch --thread=shallow --cover-letter -o /home/endy/tmp/patch-for-jimmy/ master atau git format-patch --thread=shallow --cover-letter -o /home/endy/tmp/patch-for-jimmy/ hash1 hash2	/home/endy/tmp/patch-for-jimmy/0000-cover-letter.patch /home/endy/tmp/patch-for-jimmy/0001-tambah-fitur-rata-rata.patch /home/endy/tmp/patch-for-jimmy/0002-tambah-fitur-halo.patch /home/endy/tmp/patch-for-jimmy/0003-belajar-pascal.patch
4	Kirim email git send-email /home/endy/tmp/patch-for-jimmy/*.patch Isikan alamat email tujuan	/home/endy/tmp/patch-for-jimmy/0000-cover-letter.patch /home/endy/tmp/patch-for-jimmy/0001-tambah-fitur-rata-rata.patch /home/endy/tmp/patch-for-jimmy/0002-tambah-fitur-halo.patch /home/endy/tmp/patch-for-jimmy/0003-belajar-pascal.patch Who should the emails appear to be from? [Endy Muhardin <endy@artivisi.com>] Emails will be sent from: Endy Muhardin <endy@artivisi.com> Who should the emails be sent to?
5	User2 menerima patch via email. Login ke Gmail Show Original Klik kanan Save Edit dan remove baris kosong di paling atas	
6	User2 melakukan merge patch tersebut ke repositorynya	Applying: adding patch to file Belajar.java Using index info to reconstruct a base tree...

		git am -3 /folder/tempat/save/email	Falling back to patching base and 3-way merge... Auto-merging Belajar.java CONFLICT (content): Merge conflict in Belajar.java Failed to merge in the changes. Patch failed at 0001 adding patch to file Belajar.java When you have resolved this problem run "git am -3 --resolved". If you would prefer to skip this patch, instead run "git am -3 --skip". To restore the original branch and stop patching run "git am -3 --abort".
7		Bila terjadi conflict, edit conflictnya, kemudian masukkan ke staging area git add . Setelah itu, mark resolved git am -3 --resolved Git akan melakukan	Applying: adding patch to file Belajar.java

Kesimpulan

Pull Request

Penjelasan

Merangkum perubahan dalam 2 commit ke dalam standard output.

Panduan

No	Aktifitas	Hasil
1	Lakukan pull terlebih dahulu. git pull	remote: Counting objects: 5, done. remote: Compressing objects: 100% (2/2), done. remote: Total 3 (delta 0), reused 0 (delta 0) Unpacking objects: 100% (3/3), done. From 192.168.1.53:repo-latihan 4e53f92..69b816f master -> origin/master Updating 4e53f92..69b816f Fast-forward latihan.txt | 2 ++ 1 files changed, 2 insertions(+), 0 deletions(-)

2	Kemudian lihat log dari git.
	
	git log
		commit 2d77641a53bc313c67037400ba8bc1580313b494
		Author: ubuntu <ubuntu-VirtualBox.(none)>
		Date: Sun Jun 19 02:48:28 2011 +0700
		
		   merubah baris 1
		
		commit cce7aa7e0a40206e0ae81cdcf568132daf6b0c94
		Author: Jimmy Rengga <jimmy@artivisi.com>
		Date: Sun Jun 19 02:31:26 2011 +0700
		
		   latihan git

3	Kemudian lakukan request-pull.
	
	git request-pull 4e53f92382c4 origin
		The following changes since commit 4e53f92382c4723804d1f7533d768849baa2bd89:
		
		  #membuat workbook flow git (2011-06-19 03:22:35 +0700)
		
		are available in the git repository at:
		  ubuntu@192.168.1.53:repo-latihan.git master
		
		Adi-Vbox (1):
		   git ls
		
		 latihan.txt | 2 ++
		 1 files changed, 2 insertions(+), 0 deletions(-)

Kesimpulan

Git request-pull digunakan untuk membandingkan perubahan dari commit local branch dan commit terakhir dari url(remote).