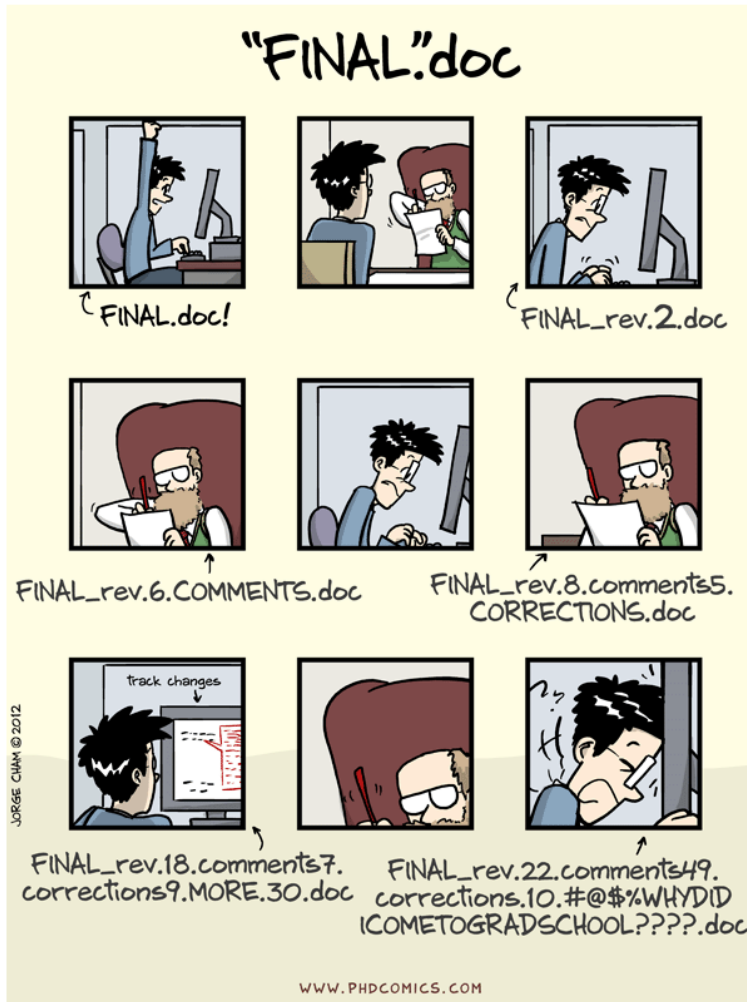


Introduction to Scientific Computing

Meeting 12.5

Version Control with git



Jeremiah Lant, Hydrologist
USGS Kentucky Water Science Center
jlant@usgs.gov

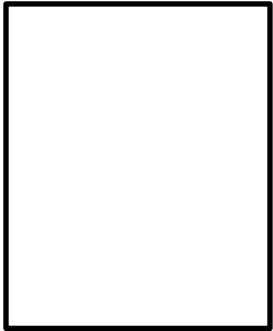
Meeting Objectives

- 1. Create a bash script to find peak in USGS NWIS data files while keeping it under version control.**
- 2. Create a remote repository called bash-scripts.**
- 3. Simulate working with a collaborator on the bash script.**
- 4. git fetch vs. git pull**
 - git pull = git fetch + git merge**

Local repo

/path/to/bash-scripts/

peaks_nwisdv.sh



Bob's local repo

/path/to/bash-scripts/

Remote repo (Bitbucket)

<https://your-bitbucket/bash-scripts/>

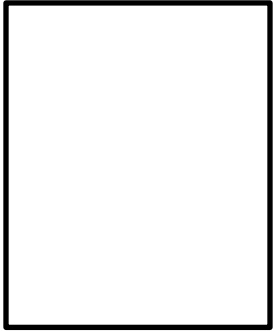
peaks_nwisdv.sh



Local repo

/path/to/bash-scripts/

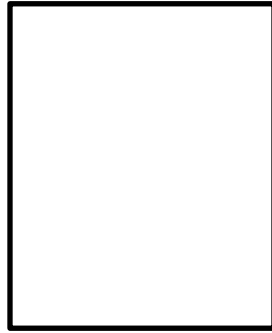
peaks_nwisdv.sh



Bob's local repo

/path/to/bash-scripts/

peaks_nwisdv.sh



Remote repo (Bitbucket)

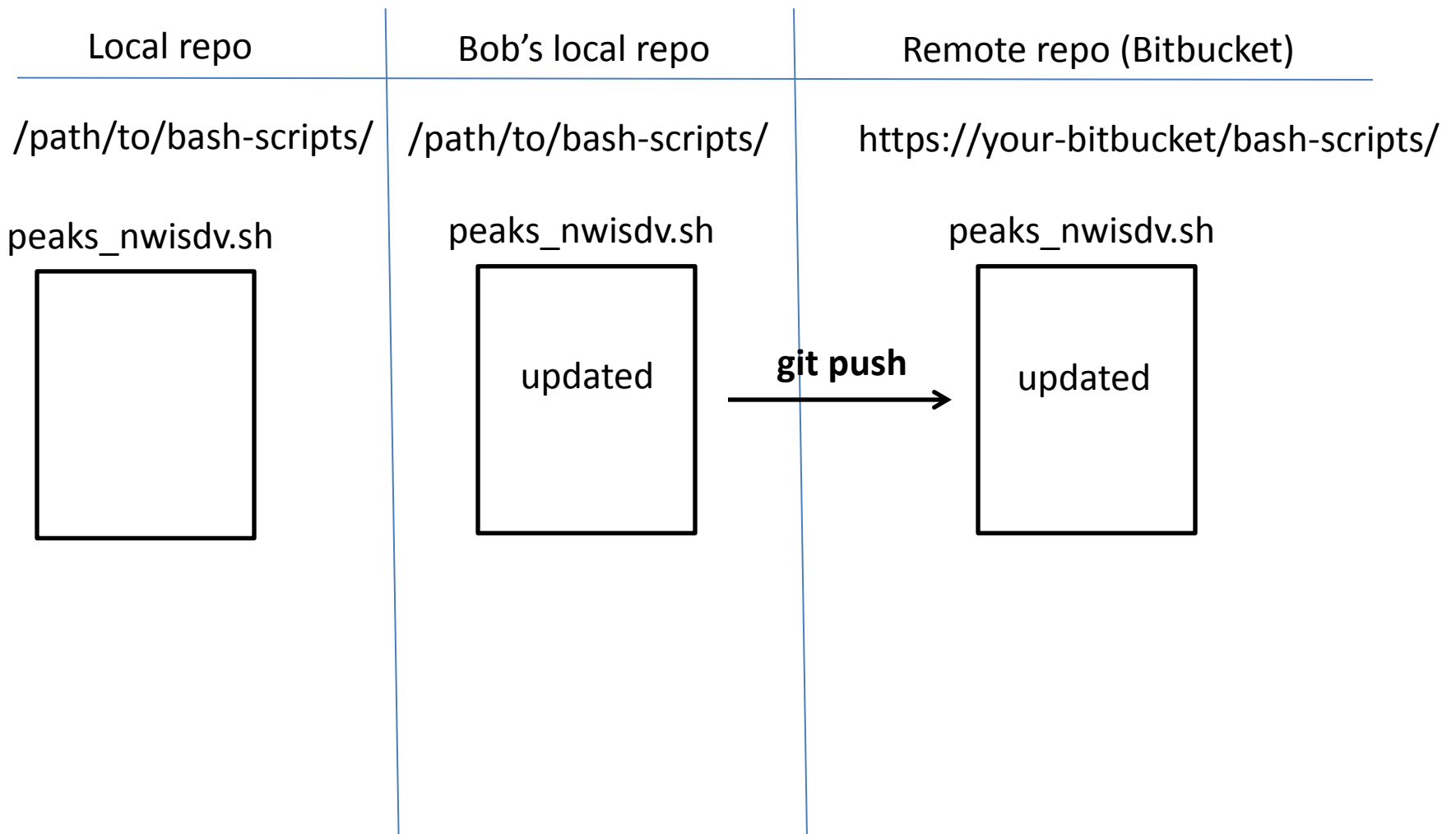
<https://your-bitbucket/bash-scripts/>

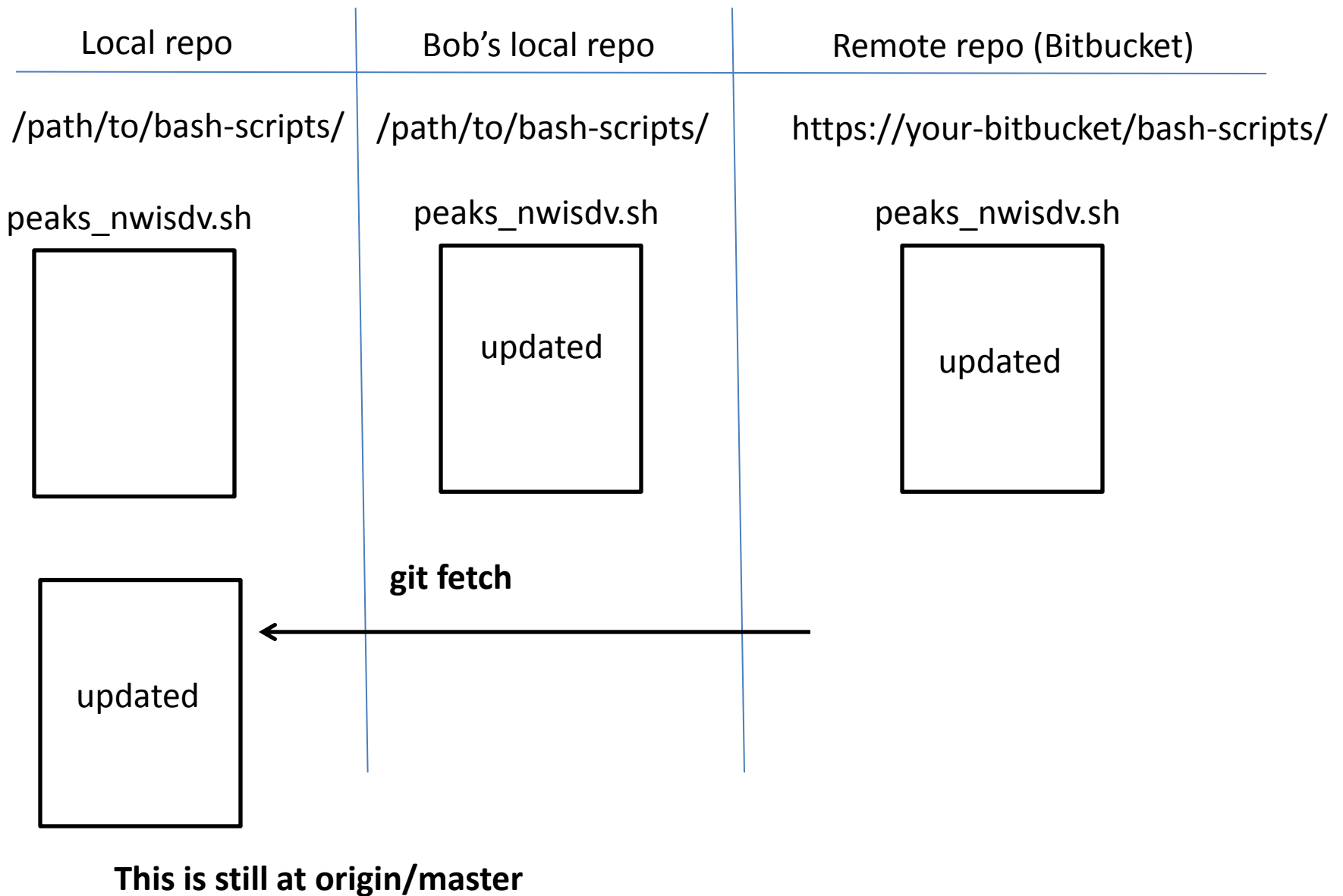
peaks_nwisdv.sh



git clone



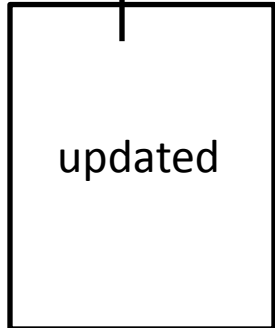
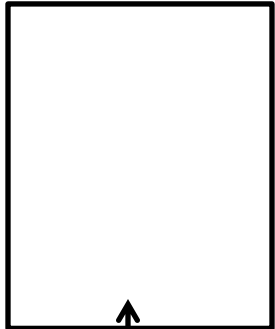




Local repo

/path/to/bash-scripts/

peaks_nwisdv.sh



git merge origin/master



Bob's local repo

/path/to/bash-scripts/

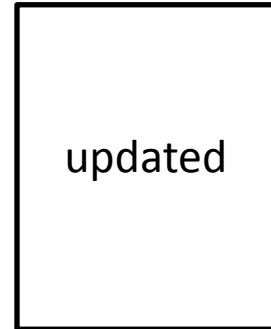
peaks_nwisdv.sh



Remote repo (Bitbucket)

<https://your-bitbucket/bash-scripts/>

peaks_nwisdv.sh



Local repo

/path/to/bash-scripts/

peaks_nwisdv.sh



Bob's local repo

/path/to/bash-scripts/

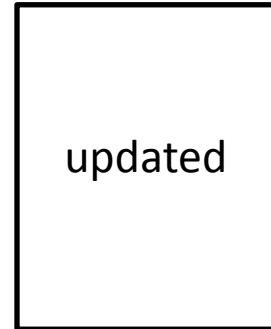
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Remote repo (Bitbucket)

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Local repo

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peaks_nwisdv.sh



Bob's local repo

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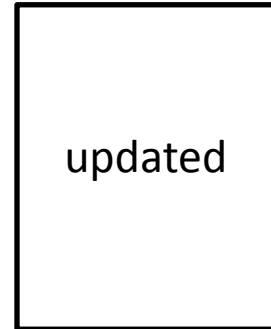
peaks_nwisdv.sh



Remote repo (Bitbucket)

<https://your-bitbucket/bash-scripts/>

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git pull

