



# Module 1 Day 1

Introduction to Tools

# Mike Morel

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- Ryver: Mike Morel (@mmorel)
- Hours: 8:00am – 2:30pm

# Today's Goals

- Housekeeping
- Machine familiarity and verification
- Windows / File Explorer
- Intro to Command shell (Bash)
- Git
- Repo setup

# Housekeeping

- Paperwork / Student Folder
- Keys
- Kitchen
- Classroom Seating
- Tissues, cleaning wipes, etc.

# Verify Your Machine

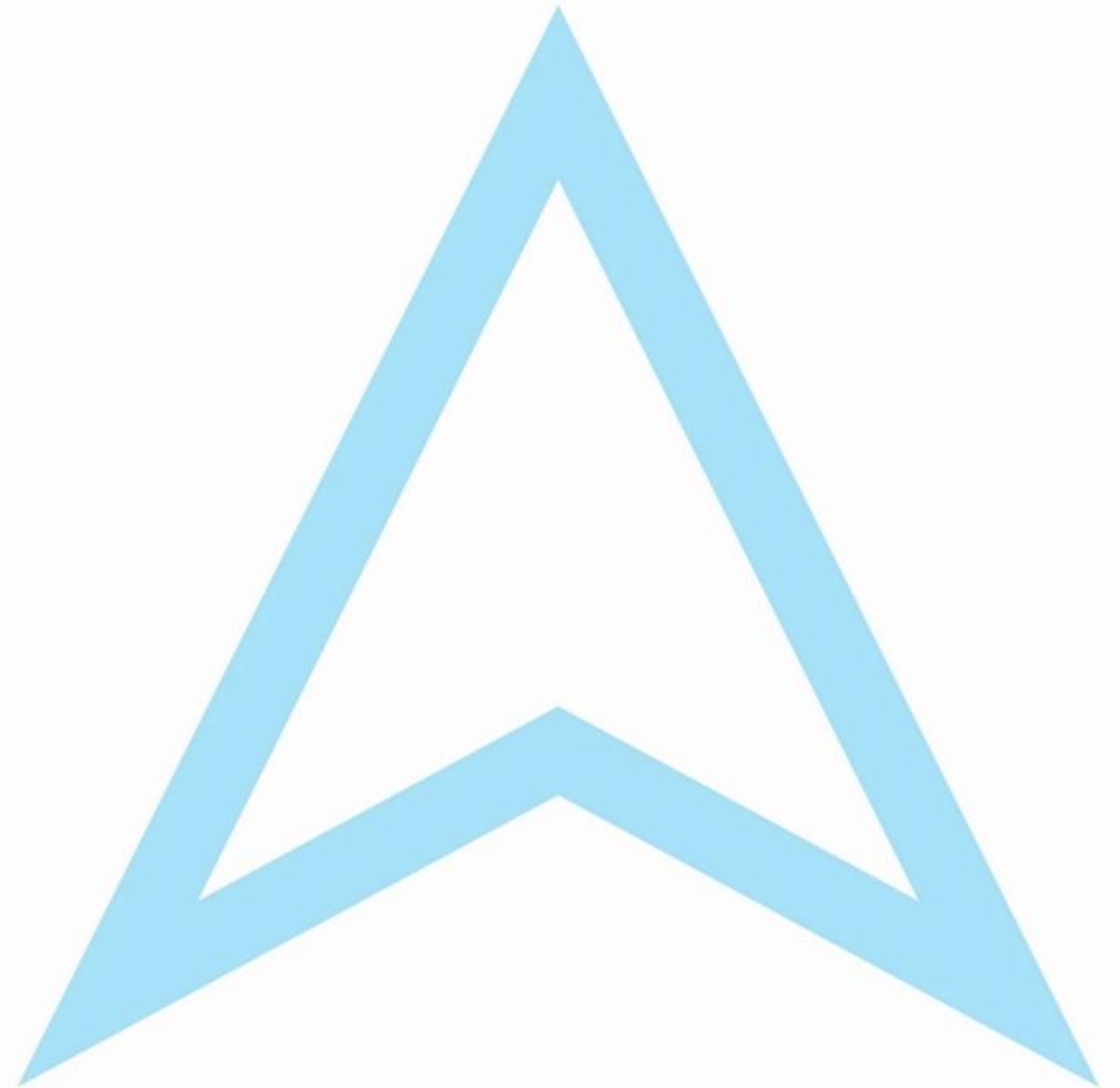
- Log onto Ryver
- Startup:
  - Git Bash
  - Visual Studio 2017
  - Visual Studio Code
  - SQL Server Management Studio (SSMS)

# Windows / File Explorer

- Windows Start
  - Finding programs
  - Pinning to Start, Taskbar
- File Explorer
  - Launching
  - Navigating
  - Creating Folders and Files
  - Deleting Folders and Files
- Bash command shell
  - Launching
  - Navigating, Creating and Deleting Folders and Files
  - ~ / and ..

# Source Code Control with Git

- Version Control
  - Code-sharing
  - History
  - Parallel development
- Git
- Local and remote repositories
- BitBucket and GitHub

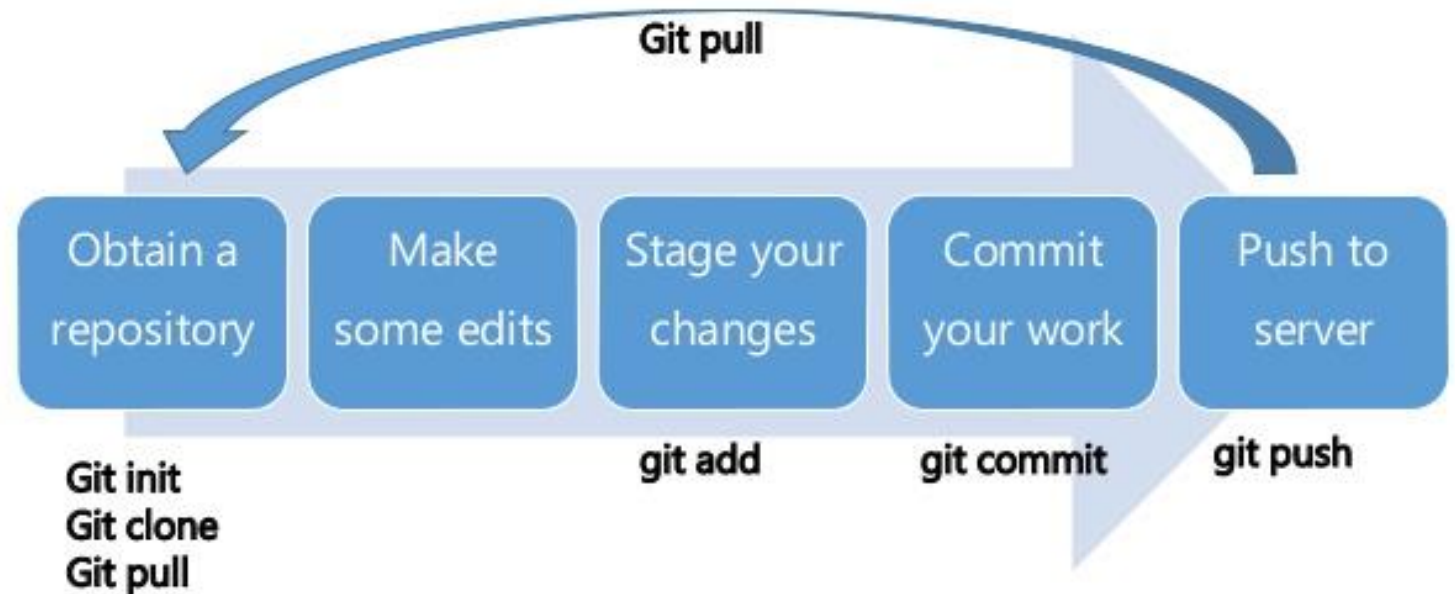




# The Git Workflow

- Git clone
- Git pull
- Git add
- Git commit
- (git pull & git commit)
- Git push

## Git usages : Understanding Git Workflow



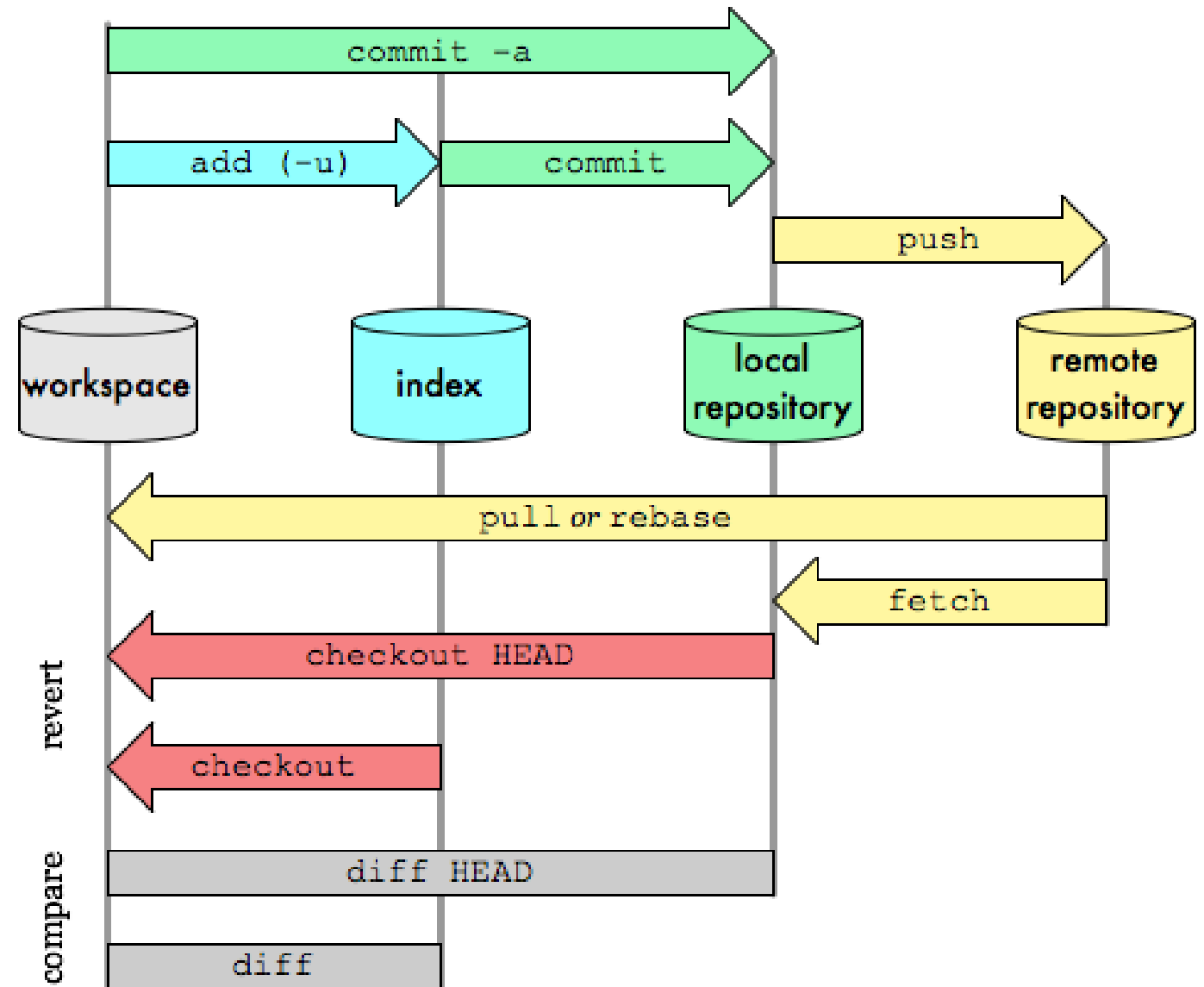


# Git Workflow Detailed

- **Workspace**: the files and folders in your git folder
- **Index**: “Staged” files, to be added / updated into your repository
- **Local**: all historical committed changes to all of your files, stored on your machine
- **Remote**: the shared, cloud version of the repo

## Git Data Transport Commands

<http://osteele.com>



# Set Up Your Repo

- Clone your Repo
  - Log onto <http://BitBucket.org> (using credentials you gave to TE)
  - Find your repository
  - Click Clone, and copy the command (HTTPS)
  - Windows-Start Git Bash
  - Paste the Clone command
- Run the setup script
  - Bash setup-c.sh
  - Git remote -v
  - Git pull upstream master

# Homework

- Student exercises
  - View the ReadMe
    - Open With Visual Studio Code
    - Ctrl-Shift-V to Preview
  - Do the exercises
  - Push your work
    - Git push (or git push origin master)
- Reading for tomorrow
  - Student Book
  - Trello Syllabus
- Quiz posted mid-afternoon
  - Visit <http://www.Socrative.com>
  - Take the pulse survey now