# Eric Pitman Summer Workshop in Computational Science



#### 0. Workshop environment

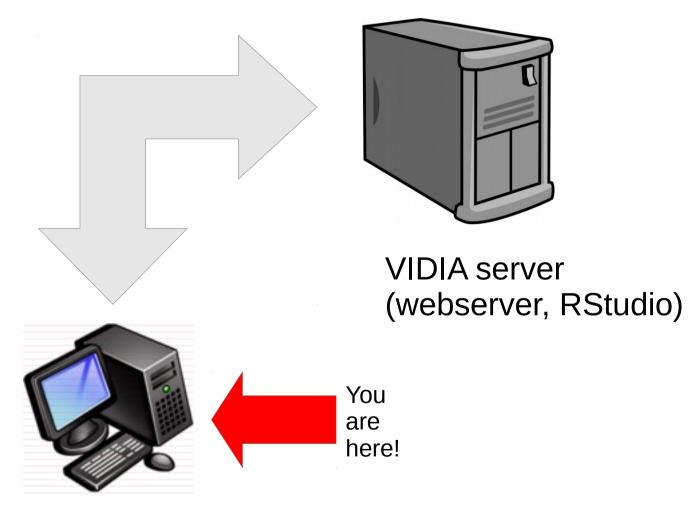




## 0. Workshop environment: set up on vidia.ccr.buffalo.edu

- Register on VIDIA
- Starting the RStudio tool
- Setting up RStudio Projects: GitHub
- File transfer: using WebDAV
- Using groups on VIDIA

## Workshop Computing Environment



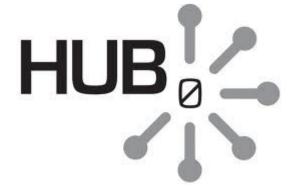
Student workstation (Firefox browser)

## Register on VIDIA

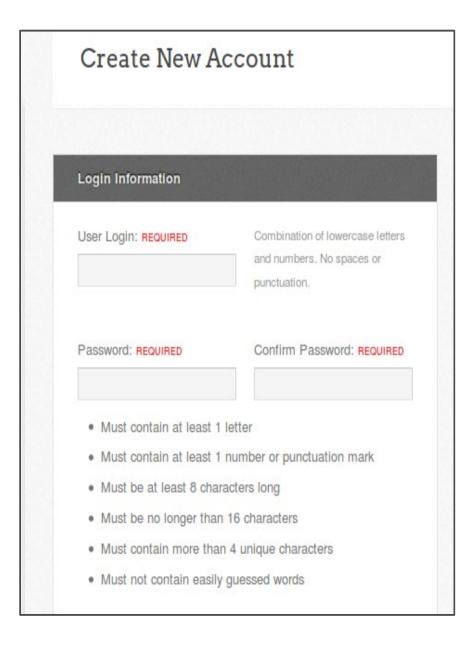
Use email address:

firstname.lastname@workshop.ccr.buffalo.edu

- 1. On vidia.ccr.buffalo.edu, click Register.
- Specify your full name; choose username and password; specify email address; submit.
- 3. We will enable your account.



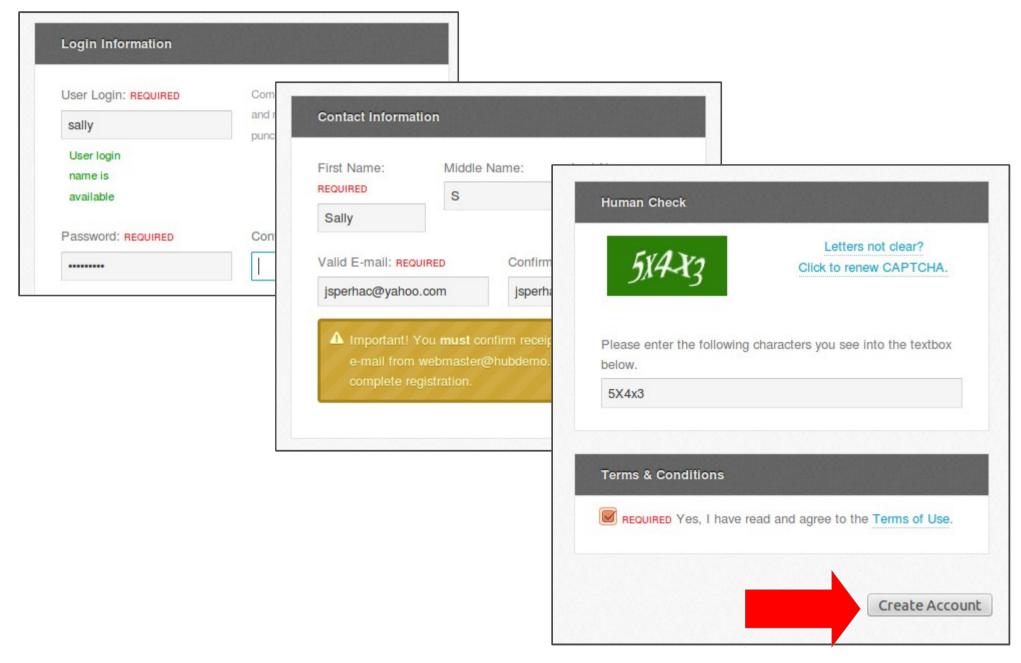
#### Create New Account screen



#### Complete and submit:

- contact information
- username and password
- email address

## Fill in required fields and submit

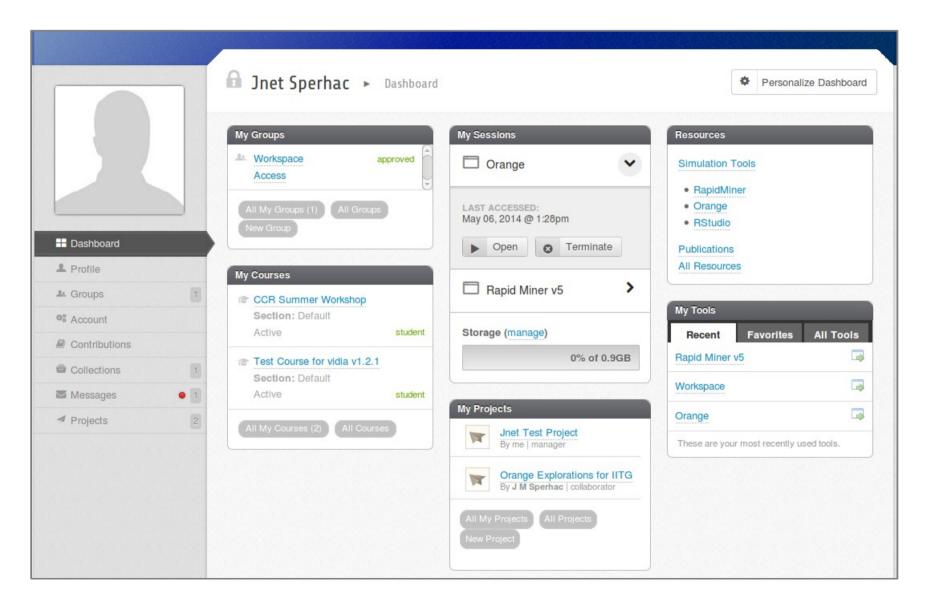


#### New account created



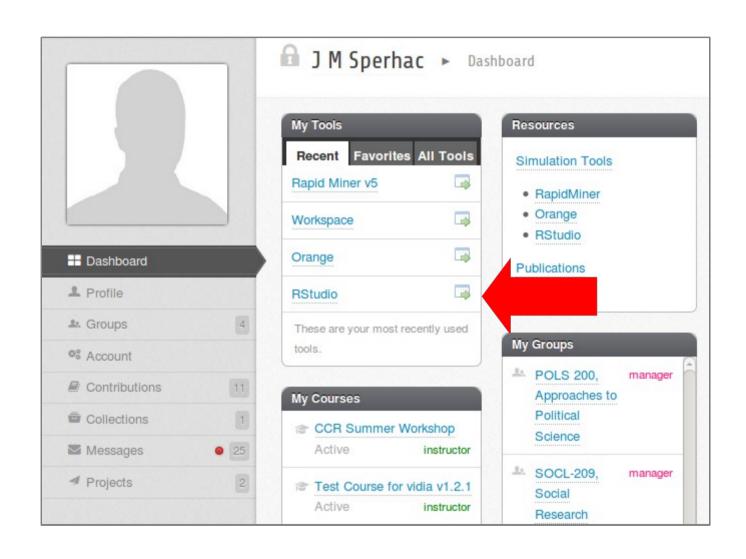
We will enable your account; then, you can sign in to VIDIA.

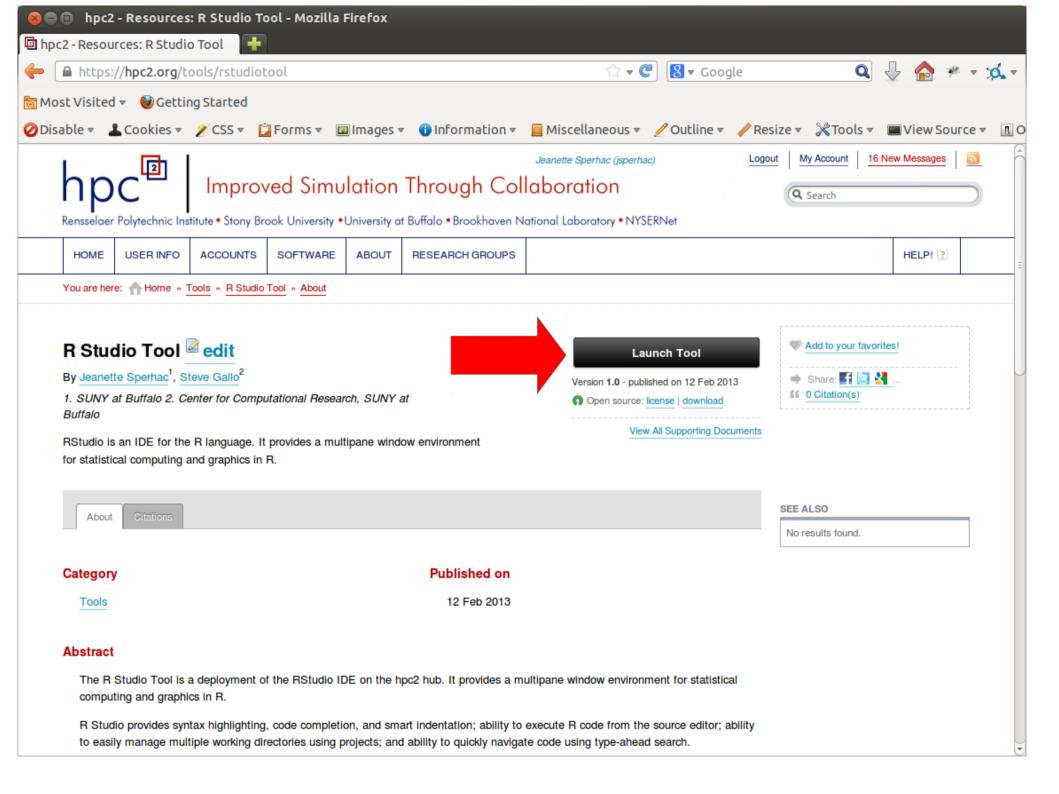
#### User Dashboard

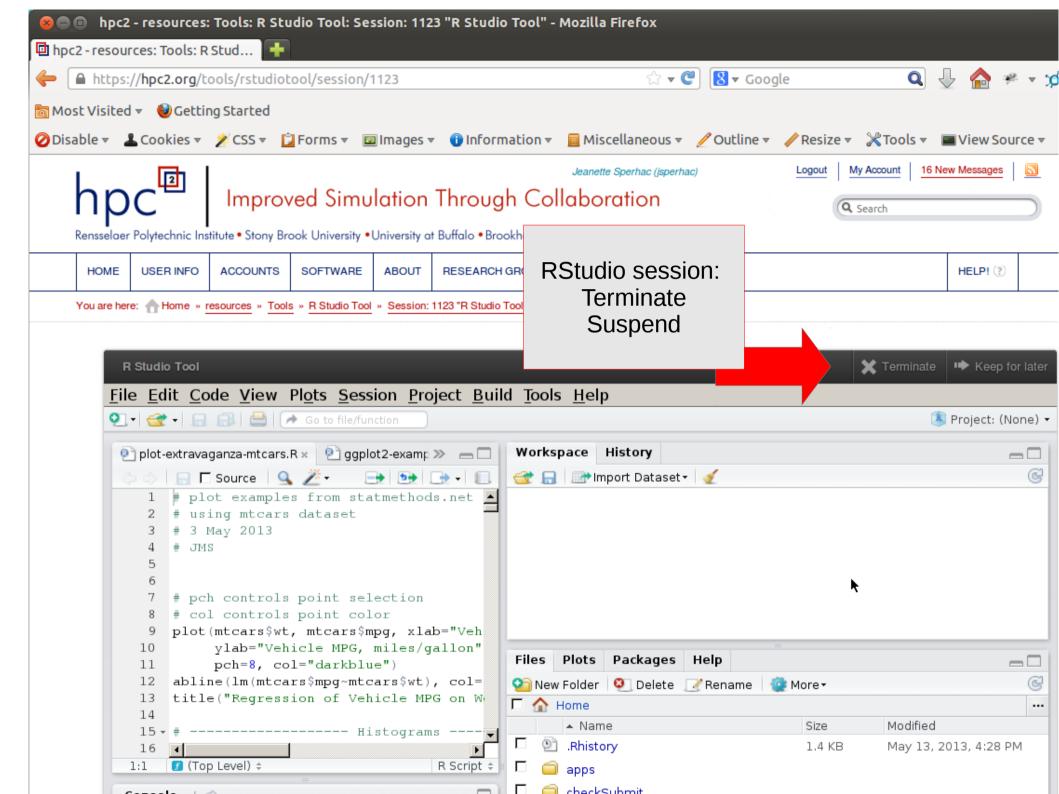


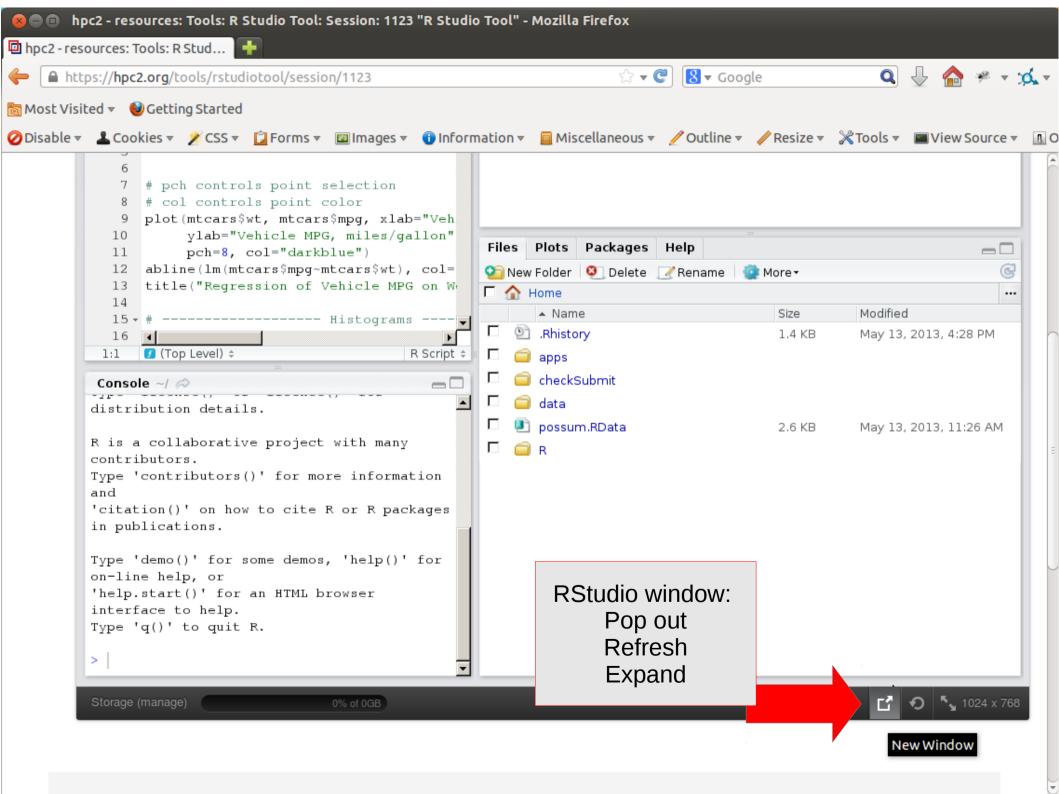
### Running Rstudio tool on VIDIA

### VIDIA Dashboard: RStudio Tool



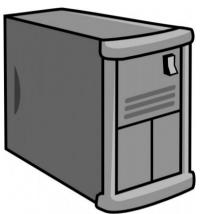






## **Using Github**

## **GitHub**



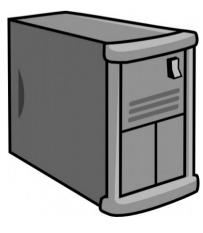
GitHub server

View files

Pull files and data

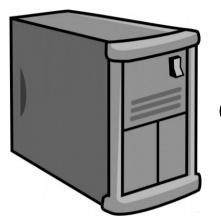


Student workstation



**VIDIA** server

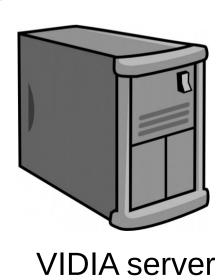
## Workshop Files and Data: GitHub



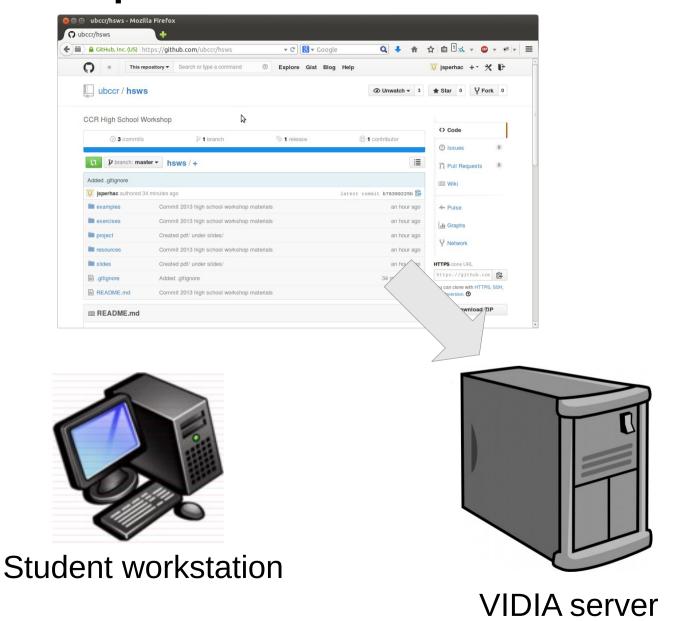
GitHub server

Pull R source files Create RStudio project



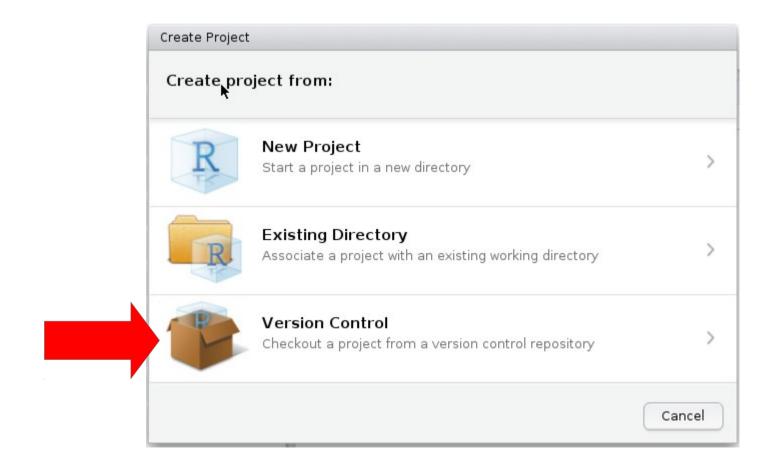


## Workshop Files and Data: GitHub

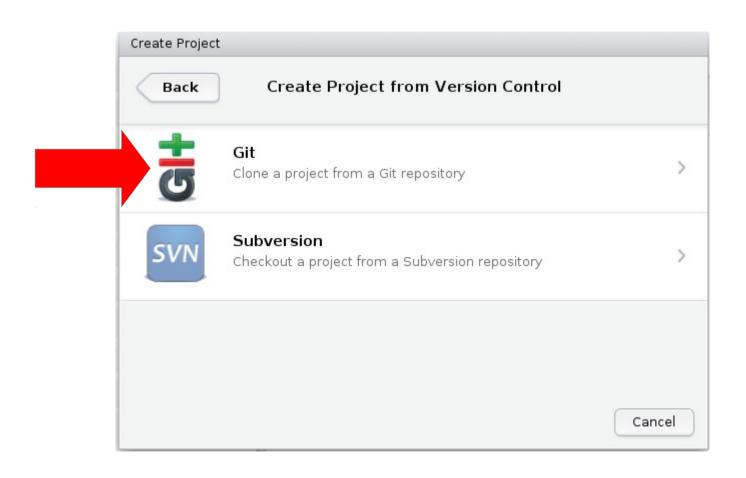


### Rstudio Project management

- 1. In the RStudio menu:
- Select Project: Create Project
- Select Version Control

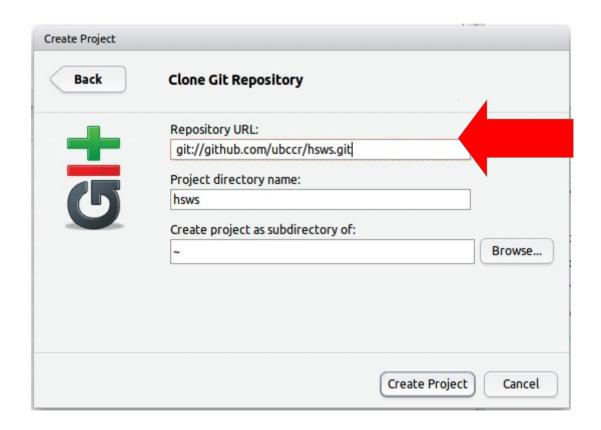


## 2. In RStudio: Next, select Git



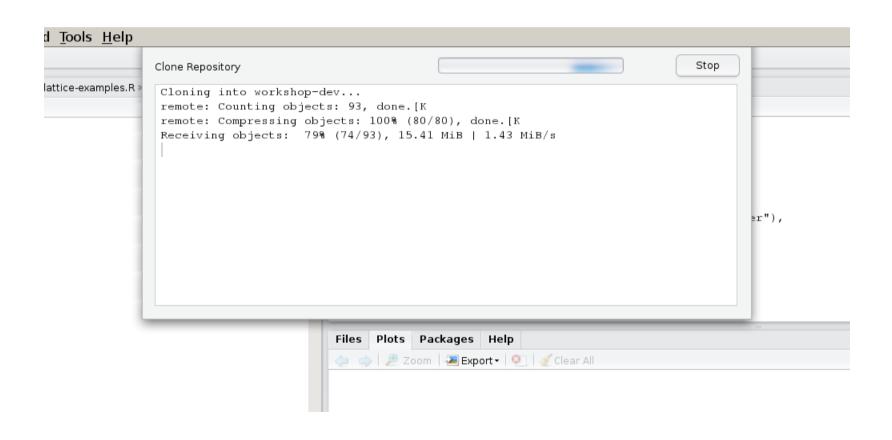
#### 3. In RStudio:

- Type the Repository URL as shown
- Use a unique project directory name



git://github.com/ubccr/hsws.git

4. RStudio copies the files from GitHub to your home directory on VIDIA.

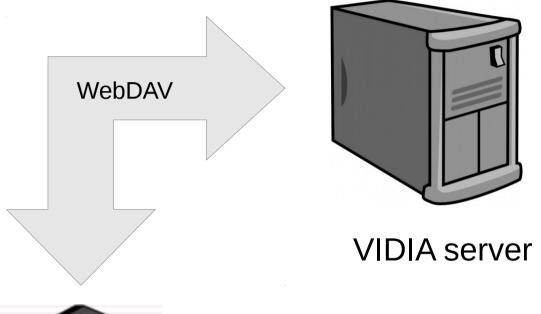




- Selecting the project sets the working directory
- Your RStudio project contains directories:
  - examples
  - exercises
  - project
  - resources

File transfer to and from VIDIA

### File Transfer





Student workstation

You'll need file transfer for adding graphics files to your presentation slides

## File Transfer: WebDAV

Home folder





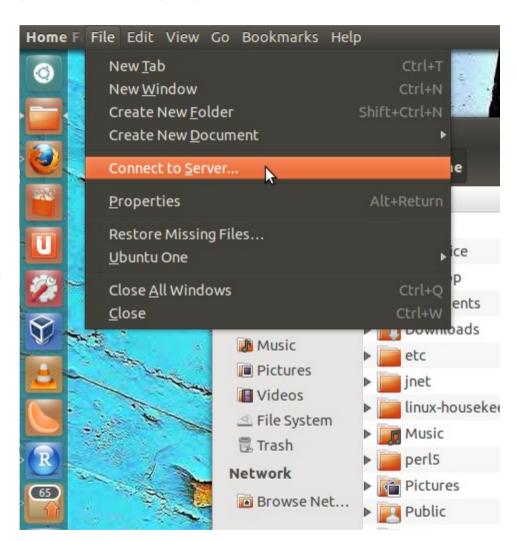
Student workstation

#### File Transfer: WebDAV

File: Connect to Server...



Student workstation



### File Transfer: WebDAV

Use your VIDIA user credentials



Student workstation

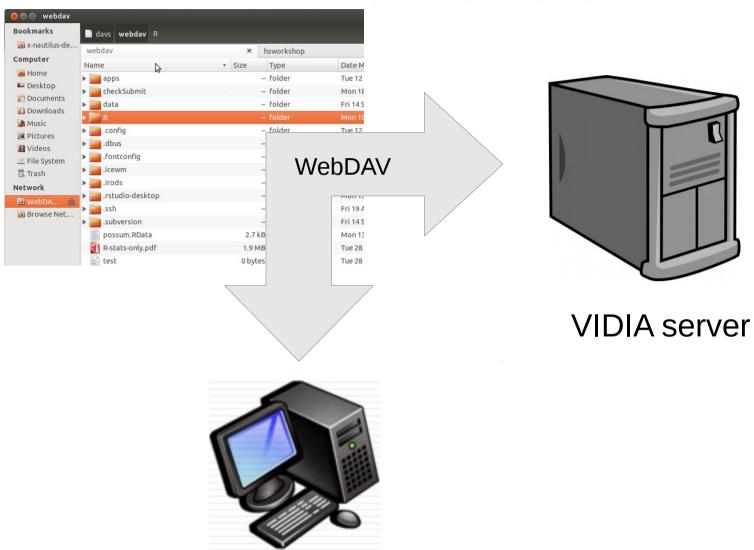
Server Details	
Server:	vidia.ccr.buffalo.edu Port: 443
Type:	Secure WebDAV (HTTPS) ▼
Folder:	/webdav/
User Details	
User name:	jmsperhac
Password:	***************************************
	Remember this password
Help	Cancel Connect

Server: vidia.ccr.buffalo.edu

Type: Secure WebDAV

Folder: /webdav

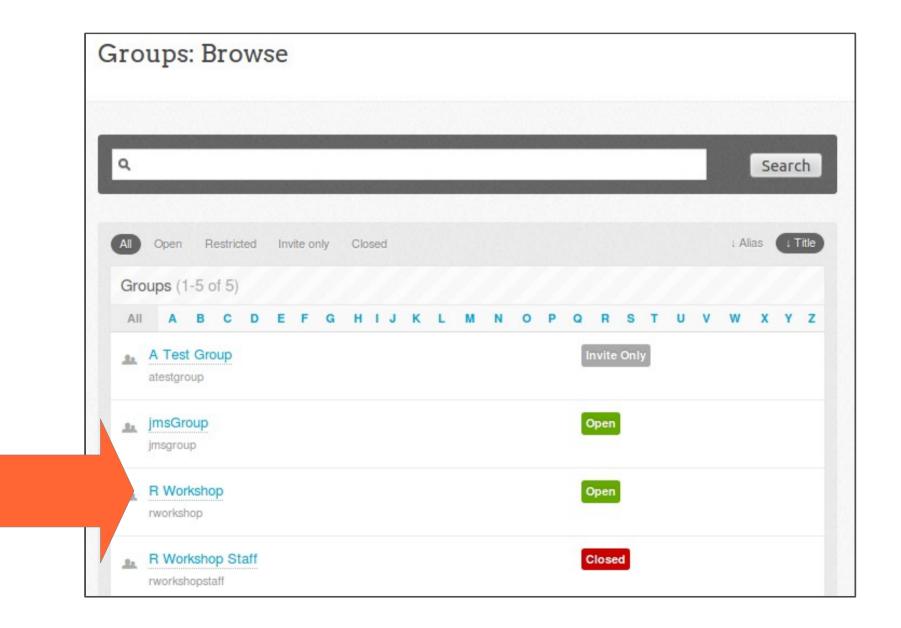
### File Transfer



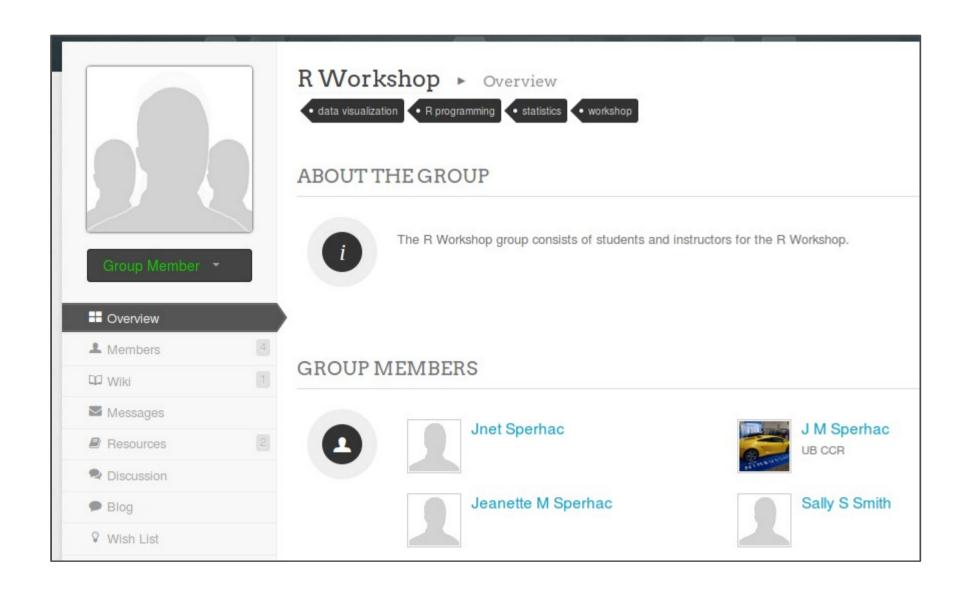
Student workstation

## Groups on VIDIA

## Browse HUBzero Groups



## **HUBzero Group Page**



#### **HUBzero Resources**

