

CST8177 – Linux II

let, CentOS VMs

Todd Kelley

kelleyt@algonquincollege.com

Final Exam

- ▶ CST8177 Linux Operating Systems II
- ▶ Mon 22-Apr-13 12:00 14:00 CA105A,B,C

Today's Topics

- ▶ let
- ▶ CentOS VMs
- ▶ group management
- ▶ assignment05

let (quickly, by request)

- ▶ let is not on tests in this course
- ▶ let arg [arg...]
 - each arg is an arithmetic expression to evaluate
 - see ARITHMETIC EVALUATION of bash man page
 - shell variables are allowed with or without \$
 - arithmetic expressions can involve assignment of values to variables, where "=" is the basic assignment operator
- ▶ examples:

```
let a=1
```

```
echo $a
```

```
let a=a+1
```

```
echo $a
```

let (cont'd)

- ▶ let seems great, why not use it?
 - because it's not as portable as the alternatives
 - "portable" means you can run your script unmodified on other systems, maybe running `/bin/dash` instead of `/bin/bash`, and it will work just as well
- ▶ `expr` is "standard" and works everywhere
- ▶ `$((arith))` is what you would use if you don't want to use `expr` (and it's faster than `expr`)
 - `x=0`
 - `x=$((x + 1))`
 - `x=$(($x + 1))`

CentOS VMs

- ▶ minimal install
 - when setting up a server, it's a "best practice" to start with the minimum and add only what you need
 - in our case, we will learn how to grow a system
 - add software
 - add disks
 - don't do any playing with or customization of or installations to your CentOS until you're told
- ▶ Feel free to play with Linux, Linux GUIs, etc
 - do it in a clone of your CentOS VM
 - do it in a VM you create for playing (what, you haven't already done this?)

Group management

- ▶ http://teaching.idallen.com/cst8207/13w/notes/700_users_and_groups.html