Working on Assignments

CS/SE 3SH3
Preparation

• Mac user
  – Terminal

• Windows user
  – SSH client (PuTTY...)

Working on Assignments

- Working on Penguin
- Submitting assignments to SVN
Working on Penguin

- Penguin, Port 22

- \textgreater SSH penguin.mcmaster.ca
- \textgreater SSH macid@penguin.mcmaster.ca

- Login use MacID
mkdir Assignment1
mkdir Assignment2
SVN Address

https://websvn.mcmaster.ca/nachos/
+ group number

For example:

https://websvn.mcmaster.ca/nachos/group1/
How SVN works?
Useful SVN commands

• Check out
  – Retrieve files from repository to working directory

• Commit (check in)
  – Place the changes in the working directory into repository

• Update
  – Merge the latest changes in the repository into the working copy files
For Each Assignment

• Create a directory on penguin
• Checkout nachos code from assignment SVN directory
Check Out – Get a nachos Copy

- `svn checkout` repository–URL [working_dir]
- `svn co` repository–URL [working_dir]

  > `svn co https://websvn.mcmaster.ca/nachos/group1/Assignment1 ~/Assignment1`

This checks out a nachos copy to “~/Assignment1”
Compile Nachos

- Goto directory
  
  "~/Assignment1/nachos-4.02/code/build.linux"

- > make clean
- > make depend
- > make
Compile succeeded

- Run nachos
  
  > ./nachos

```
[tianz3@penguin ~]$ ls -l
total 1972
-rw-r--r-- 1 tianz3 grad 131076 Jan 22 11:35 DISK_0
-rw-r--r-- 1 tianz3 grad 9574 Jan 22 11:15 Makefile
-rw-r--r-- 1 tianz3 grad 263049 Jan 23 19:30 Makefile.dep
-rwxr-xr-x 1 tianz3 grad 1729095 Jan 23 19:30 nachos

[tianz3@penguin ~]$ ./nachos
Machine halting!
```

Ticks: total 10, idle 0, system 10, user 0
Disk I/O: reads 0, writes 0
Console I/O: reads 0, writes 0
Paging: faults 0
Check In – Submit your works

• Before Checkin your work
• 1. Compile and test
• 2. Check conflict with peers

• > svn update
• > svn commit -m “message”
About assignment

• README.txt
  – Plain text
  – 60 chars / line

• Nachos codes
  – Compiled, tested and well commented
README.txt

• Names of all team members
• How late this assignment is, how much extension time left
• File names modified and added
• Your design ideas (code snips)
• Output of your test
Assignment submitted

[tiaz3@penguin ~/3SH3/Y2013/Assignment1] cd Assignment1
[tiaz3@penguin ~/3SH3/Y2013/Assignment1] ls -l

```
total 4
drwxr-xr-x  8 tiaz3  grad  4096 Jan 22 11:15 nachos-4.02
-rw-r--r--  1 tiaz3  grad       0 Jan 24 09:28 README.txt
```

Add “README.txt” to SVN

• `> svn add README.txt`
After Assignment Submission

• Check your submission using a browser
Questions ?