CS 736: FINAL PROJECT PRESENTATIONS

When is your project presentation?

What should you talk about?

WHEN IS YOUR PRESENTATION?

- Last week of classes
  - Three days

- Roughly organized by topics...
  - Distributed and Networked Systems
  - File Systems
  - Outside the File System

DAY 1: DISTRIBUTED AND NETWORKED SYSTEMS

- Anand Krishnamurthy, Sathiya Kumaran
  - Coordinated I/O Scheduler for distributed blobstore

- Brandon, Ramnaththan, Avinaash
  - Single-byte writes to remote storage

- Aditya Prakash, Sreeja Thummala
  - Resource Tracking in Mobile Environments

- Frank Bertsch, Aaron Cahn
  - Impact of network topology and hardware on availability in a datacenter

DAY 2: FILE SYSTEMS

- Nathan Deisinger and Jun He
  - Analyzing and Improving Block Allocation Policies in ext4

- Anjali Gola, Ayoosh Bansal
  - Optimizing File Systems for SSD

- Adalbert Gerald and Christopher Morton
  - Delayed Durability in OptFS

- Harshad Deshmukh, Vinitha Reddy Gankidi
  - Trading freshness and performance

- Steve Lagree and Stephen Brown
  - Evolution of Linux 3.x File Systems
DAY 3: OUTSIDE THE FILE SYSTEM

- Chao Ren, Shiyu Luo
  - CPU overheads in I/O traces
- J. Benjamin Miller, Thomas Griebel
  - Improving Memory Efficiency in Filesystem CTests
- Saul St. John
  - Performance Comparison of VM Guest OSes
- David Leifker, Rui Gu
  - OSv Analysis and Benchmarking

TALK ATTENDANCE

- Attendance is required each day
- For each talk, write up:
  - What was their greatest strength/contribution?
  - What was their greatest weakness?
  - Can focus on either their work or their presentation
- Keep feedback constructive
  - Students will be given your feedback (anonymous)
  - Students can fix their work weaknesses in final project write-ups

WHAT SHOULD YOU TALK ABOUT?

OVERVIEW OF REQUIREMENTS

- 15 minute talks (including questions)
- Must prepare slides
  - Bring your own laptop with connector
  - Email me slides by 11:00 am before talk (pptx, keynote, pdf)
  - Bring slides on USB drive
- Assume about 1 minute per slide
- All group members must talk
  - Approximately equal amounts of time
- Quality of your presentation matters!
  - How well you can describe your work is important!
TALK STRUCTURE

- Title/authors/affiliation (1 slide)
- Talk within the talk (1 slide) -
  - Abstract
    - Summary of problem and what you discovered. What should audience remember?
- Outline (1 slide)
  - What will you be covering?
    - Specific!
- Motivation and Problem Statement (1-2 slides)
  - Why is this problem interesting?
    - What was站着 before your started?
- Methodology (1 slide)
  - How did you obtain your results? Experimental platform?
- Results (4-6 slides)
  - What questions did you answer?
  - What were your ideas?
  - What did you do?
  - What did you find out?
  - Graphs!
- Lessons (1 slide)
  - What did you learn from doing this project? Difficulties? Surprises?
- Future Work (1 slide)
  - What do you still need to finish before your write-up?
- Summary and Conclusions (1 slide)
  - There is a difference!

GENERAL ADVICE

- Make your slides look respectable
  - No spelling errors, use bullets with sentence fragments, mild color, be consistent with capitalization and punctuation
- A picture is worth a thousand words
  - Diagrams can be very helpful! They are worth your time!
- Speak clearly with good pacing
- Explain your graphs
  - What did you measure? Workload? What is on the x and y axes? Legend for different lines?
- Practice!!!!!
  - Make sure your talk is the right length
  - Make sure someone can follow your explanations

FINAL REPORT

- More details soon
- Due after all presentations are completed
- Use structure and ideas from your talk
- Draw attention to any new work or results since your talk