

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, Ramnatthan, 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 Checks
- 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?
 - Specifics!
- Motivation and Problem Statement (1-2 slides)
 - Why is this problem interesting?
 - What was status before you 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