CSE 291: Operating Systems in Datacenters

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Agenda for Today

• Project presentations
• Llama discussion
Project Presentations
Project Presentations: Logistics

- During class on 12/5 and 12/7
- Talk duration depends on group size
  - For 1/2/3 students you will have 7/10/12 minutes
- 1-2 minutes of questions after your presentation
  - Ask questions of your peers!
- Use slides
- See Canvas for:
  - Details about project presentations
  - Sign up slots
Project Presentations: Content

• The problem and motivation
  • Your research problem or question and why it’s important

• Background
  • Information needed to understand the rest of your presentation

• Solution
  • How did you solve your problem or try to?
  • What worked well and what didn’t?

• Evaluation
  • Experimental setup
  • Results and implications

• Future work
  • What steps would you take next to continue this work?
Tips for Giving a Good Talk

• Consider your audience. What do they know or not know?
  • In this case audience == your peers
• Motivate the problem. Why should your audience care?
• Explain **why**, not just **what**
  • What: LegoOS has an ExCache on each pComponent and the rest of the memory is on the remote mComponent
  • Why: Because of the high latency to access remote memory in the mComponent, LegoOS adds an extra cache, the ExCache, to pComponents
• For experiments, tell us what question you’re trying to answer
  • For example: how does disaggregation impact the performance of applications?
• Practice!
Tips for Designing Good Slides

• Give your slides meaningful titles
  • “Background” vs. “Hardware Support for Disaggregation”
• Use diagrams and graphs to illustrate your ideas
  • Hint: you can re-use these for your write-up
• Use text sparingly
Llama Discussion