

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