CS162 Operating Systems and Systems Programming Lecture 25

Review

April 27, 2011 Ion Stoica http://inst.eecs.berkeley.edu/~cs162

New CS162

- Gateway system class to give students a broad view on how today's systems and services
 - Better prepare students to design and develop such services
- · Teach students how to develop large projects in teams
- Enable department to create a new core OS class (which will be offered in Spring 2012)
 Will use a real OS for projects (likely Android)
- Enable other system classes (for which cs 162 will be prerequisite) to go deeper in their specific material and have more sophisticated projects

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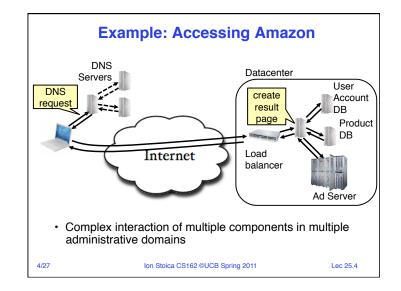
New vs. Old CS162

- Curriculum: 70% overlap
 - File systems, queueing theory, slightly fewer lectures on concurrency, caching, and distributed systems
 - + More networking, database transactions, p2p, and cloud computing
- Different project: emphasize on how a system works end-to-end rather than focusing on implementing OS concepts in Nachos
- What if you want to do an OS project?
 - CS 163 (?) in Spring 2012
 - CS 262 graduate System class (you'll need instructor approval)
 - CS295 Cloud computing Seminar (you'll need my approval)

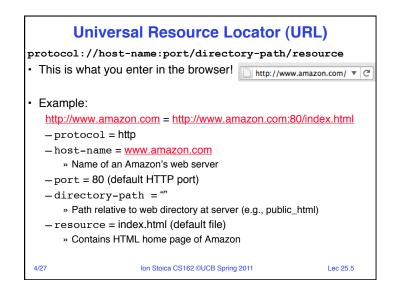
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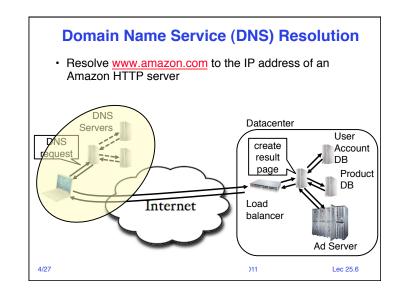
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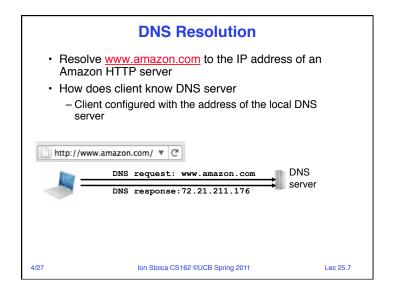
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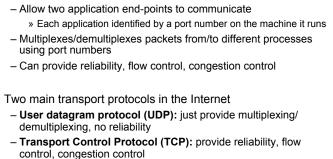






How Does Client Communicates with DNS Server?

- A: Via transport protocol (e.g., UDP)
- Transport protocol in a nutshell:



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