

CS15-319 / 15-619

Cloud Computing

Recitation 7

October 8th and 11th, 2013

Announcements

- Encounter a general bug:
 - Post on Piazza
- Encounter a grading bug:
 - Post Privately on Piazza
- Don't ask if my answer is correct
- Don't post code on Piazza
- Search before posting
- Post feedback on OLI

Project 2 Reflections

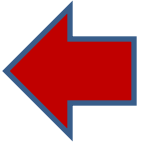
- Read project description more than once
- Think about workflow
- Look up API references
 - Not that clear
 - Suggestions:
 - Read overview first, then details
 - Use samples to go over simple APIs
 - Use Internet

Piazza Questions

- Socket & Timeout Error on Autoscaling ([@509](#) [@552](#))
 - Due to the large amount of concurrent connections
 - Make instances in the same zone
 - Try different zones
- `$HOME/.bashrc`
 - Executed every time when initializing a bash session
 - Manually run:
“source `$HOME/.bashrc`” or “. `$HOME/.bashrc`”

Project 3

- Files vs. Databases
 - File vs. Database
- Vertical Scaling in Databases
 - Vertical Scaling
- Horizontal Scaling in Databases
 - Horizontal Scaling
- Working with NoSQL: DynamoDB / Hbase
 - Amazon DynamoDB
 - DynamoDB vs. HBase



Available Modules

- UNIT 3: Virtualizing Resources for the Cloud
 - Module 6: Introduction and Motivation
 - Module 7: Virtualization
 - Module 8: Resource Virtualization - CPU
 - Module 9: Resource Virtualization - Memory
 - Module 10: Resource Virtualization – I/O
 - Module 11: Case Study
 - Quiz 3: Virtualizing Resources for the Cloud



Upcoming Deadlines

- Project 3:

[Project 3](#)

[Files vs. Databases](#)

File vs. Database

[Checkpoint](#)

[Available 10/7/13 12:01 AM](#)

[Due 10/13/13 11:59 PM](#)

- Unit 3:

[UNIT 3: Virtualizing Resources for the Cloud](#)

[Module 6: Introduction and Motivation](#)

[Module 7: Virtualization](#)

[Module 8: Resource Virtualization - CPU](#)

[Module 9: Resource Virtualization - Memory](#)

[Module 10: Resource Virtualization – I/O](#)

[Module 11: Case Study](#)

Quiz 3: Virtualizing
Resources for the Cloud

[Checkpoint](#)

Due on Thursday!
Pay attention to the
time change!

[Available Now.](#)

[Due 10/10/13 11:59PM](#)

[Pittsburgh](#)

Upcoming Deadlines

- Quiz 3 Due **THIS WEEK!**
 - Thursday 10/10/2013 11:59PM Pittsburgh
 - Late submissions are NOT accepted
- Timed
 - 180min once started
 - Remember to click SUBMIT before deadline

Demo Outline

- Overview to Project 3
- Simple demo to use MySQL
 - Connect
 - Import table
 - Sample query