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# Containers & Public Clouds

## Lab. 4

# Outline

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- Compare performance of containers with Xen
- Use docker
- Deploy in Amazon EC2 a complex workload

# Task1: LXC (33%)

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- Using LXC repeat task 3 of Lab 3
  - For simplicity desired “SLA” is 75%
- Figure out how to mimic scheduling policy in LXC

## Task2: Docker (33%)

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- Deploy SpecJBB or SpecWeb\* in 3 docker container (webserver, client, BeSim) using incremental images
  - Feel free to use any approach to the initial container (use other distro, use official apache or nginx dockers, ...)
- Run the benchmark and compare with "best" Xen
- Upload the containers to dockerhub "privately"

## Task 3: Amazon EC2 (33%)

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- Deploy the containers created in Task 2 in separate AMI in Amazon EC2
- Measure performance