

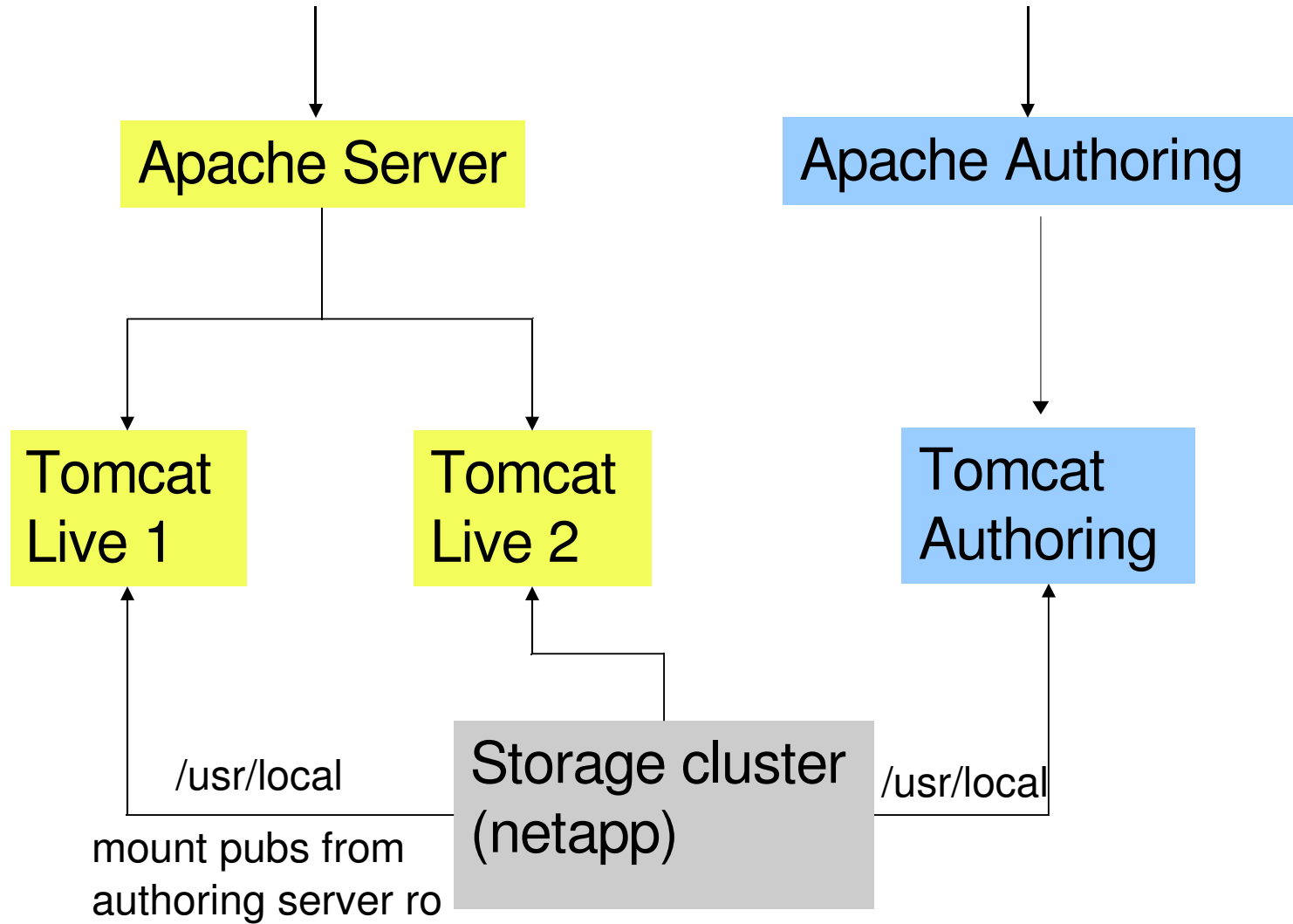


Universität Zürich UniCMS

- Lenya-1.2.x
- More than 100 live sites ([www.unicms.unizh.ch/docu/live-pubs.html](http://www.unicms.unizh.ch/docu/live-pubs.html))  
Some sites with quite a lot of traffic as
  - uzh Homepage
  - IT Services
- About 140 publications on the authoring site



# Universität Zürich setup



# Load Tests (Jmeter) Response Time

	Lenya 1.2 default no caching [ms]	Lenya 1.2 unicms no caching [ms]
quiet	40	310-380
load	750	6000

# Possible Solution

- Static export
- Caching
  - apache mod\_cache
  - lenya internal caching
- Optimize xslt transformations
- Optimize tomcat configuration
- Optimize JVM
- .....

# Apache mod\_cache

+ fast

+ no servlet engine

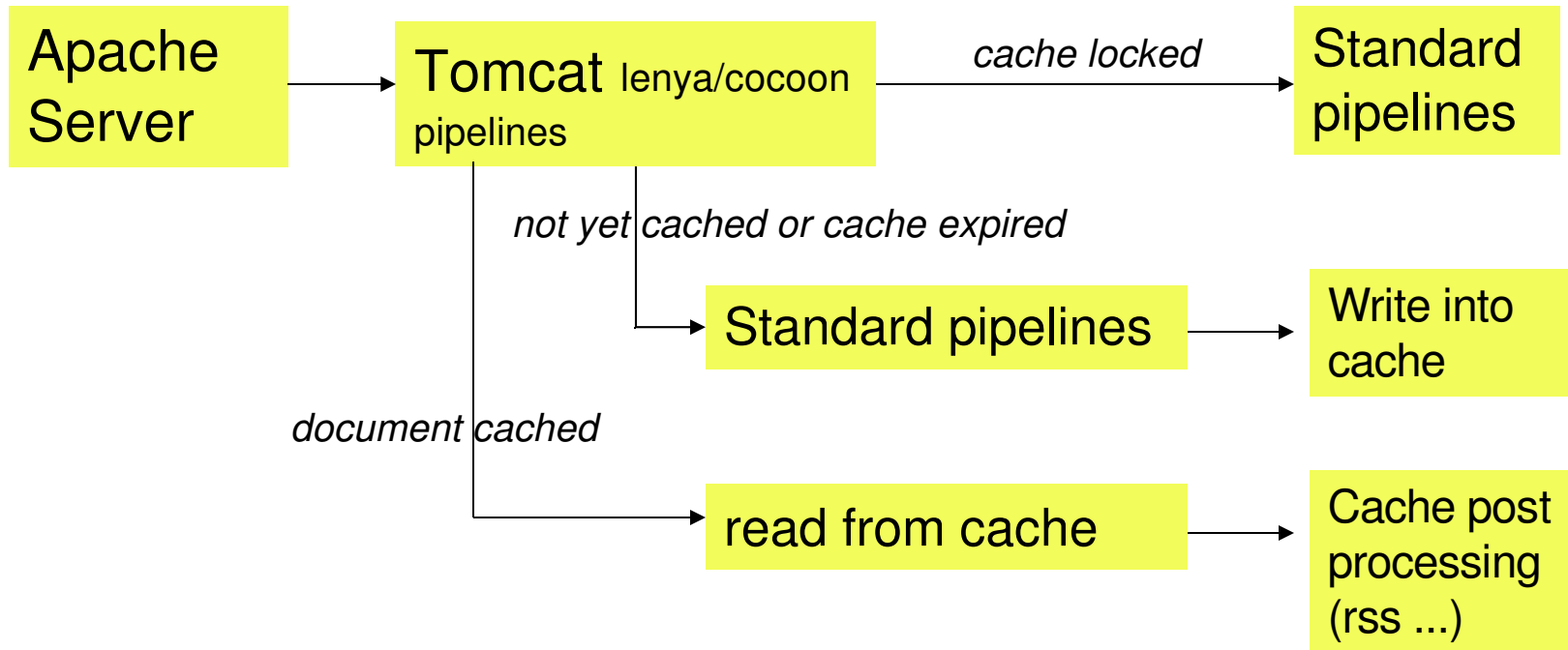
+ .....

- access from authoring Server

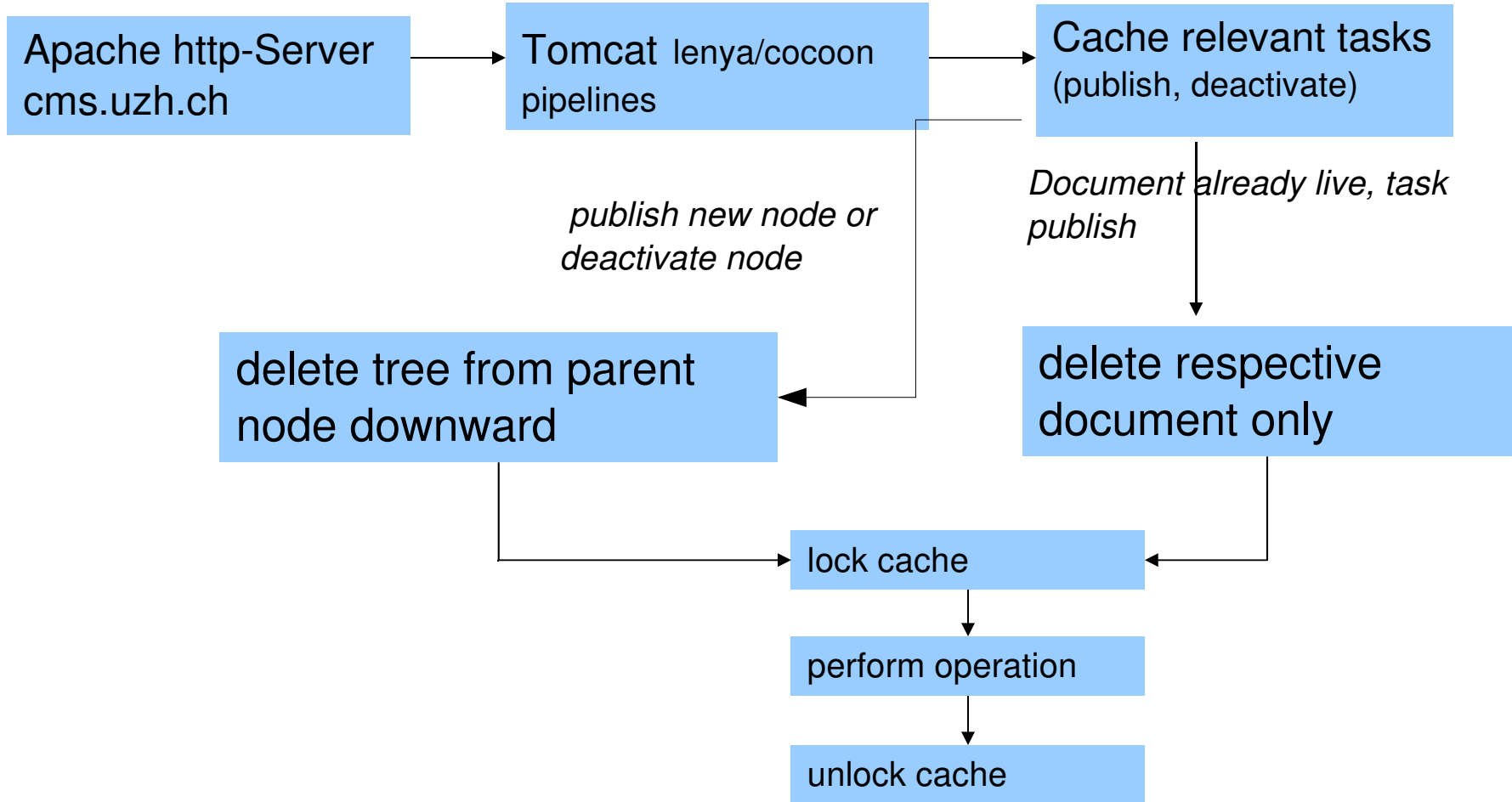
- Access Controlling

- all is static (rss feeds etc.)

# UniCMS cache Live Server



# UniCMS cache Authoring Server



# Load Tests (Jmeter) Response Time

	Lenya 1.2 default no caching [ms]	Lenya 1.2 unicms no caching [ms]	Lenya 1.2 unicms caching [ms]
quiet	40	310-380	27-70
load	750	6000	110-600



# What about lenya 1.4

	Lenya 1.2 default no caching [ms]	Lenya 1.4 default no caching [ms]	Lenya 1.2 unicms no caching [ms]	Lenya 1.2 unicms caching [ms]
quiet	40	150-270	310-380	27-70
load	750	1600-5500	6000	110-600

# What about a cache module

Public interface CacheManager{}

What about the authoring part?

Cache module

.....

What kind of implementation?

What about dynamic stuff?