Graduate Operating Systems

Fall 2017

Paper “Distributed FS”
What is “location transparency”? 
What is the primary goal of AFS architecture and how is it achieved? 
Address space sharing 
IPC via files 
Stub directories 
Asynchronous slow-propagation 
CPU-bound vs. I/O-bound 
Context switching
Paper “Distributed FS”

- Remote Procedure Call (RPC)
- Caching: hit & miss ratios
- Call distribution (Table 2)
- Server usage (Table 4)
- Performance bottleneck

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Paper “Distributed FS”

- AFS: file caching, user-level processes, RPC
  - What are pros/cons of whole file caching?
  - What are pros/cons of invalidation messages?
  - What are pros/cons of stateful and stateless servers?
  - What are lightweight processes (LWPs)?
- Consistency semantics
- Results: Figure 1, Table VII, Figure 2, Table VIII