Client Caching

- Client also caches recently-accessed blocks
- Each block in cache is tagged with
  - *Tc*: the time when the cache entry was last validated.
  - *Tm*: the time when the block was last modified at the server.
  - A cache entry at time *T* is valid if
    - *(T-Tc < t) or (Tm $_{client}$ = Tm $_{server}$).*
  - *t=freshness interval*
    - Compromise between consistency and efficiency
    - Sun Solaris: *t* is set adaptively between 3-30 s for files, 30-60 s for directories
- When block is written, do a delayed-write to server