

DSM: distributed shared memory

概述(P30)

Using page table to implement DSM (Read) (P39)

Cache or not cache: trade-off (P41)

Using page table to implement DSM (write) (P43)

Consistency Issue of DSM

由于update可见顺序不同导致的一个bad case(P52-53)

consistency定义(P54)

Consistency Challenges (P55)

naïve DSM问题的原因(P56)

Sequential Consistency

desired consistency model

- · Each read gets the latest write value
 - 。 单是这个不充分的例子(P59-60)
- All operations at one CPU have the execution order of the program

Implementation of SC

- requirements(P63)
- Centralized manager (Node-M)(P65)
- Read operations(P66)
- Write operations(P67)

DSM Invariants(lec 8 dist P10)

DSM summary(P69)

Drawback of SC