

Performance of Snooping Protocols

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Outline

- Snooping protocols
- Simulation results
- Comparison of performance
- Conclusion

Snooping protocols

- a protocol for maintaining cache coherency in symmetric multiprocessing environments. In a snooping system, all caches on the bus snoop the bus to determine if they have a copy of the block of data that is requested on the bus. Every cache has a copy of the sharing status of every block of physical memory it has. Multiple copies of a document in a multiprocessing environment typically can be read without any coherence problems; however, a processor must have exclusive access to the bus in order to write.