



Computer Organization and Design: The Hardware Software Interface

By David Patterson, John Hennessy

ELSEVIER SCIENCE TECHNOLOGY, United States, 2016.
 Paperback. Book Condition: New. Arm ed. 231 x 190 mm.
 Language: English . Brand New Book. The new ARM Edition of Computer Organization and Design features a subset of the ARMv8-A architecture, which is used to present the fundamentals of hardware technologies, assembly language, computer arithmetic, pipelining, memory hierarchies, and I/O. With the post-PC era now upon us, Computer Organization and Design moves forward to explore this generational change with examples, exercises, and material highlighting the emergence of mobile computing and the Cloud. Updated content featuring tablet computers, Cloud infrastructure, and the ARM (mobile computing devices) and x86 (cloud computing) architectures is included. An online companion Web site provides links to a free version of the DS-5 Community Edition (a free professional quality tool chain developed by ARM), as well as additional advanced content for further study, appendices, glossary, references, and recommended reading.



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