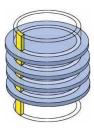
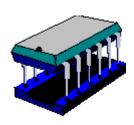


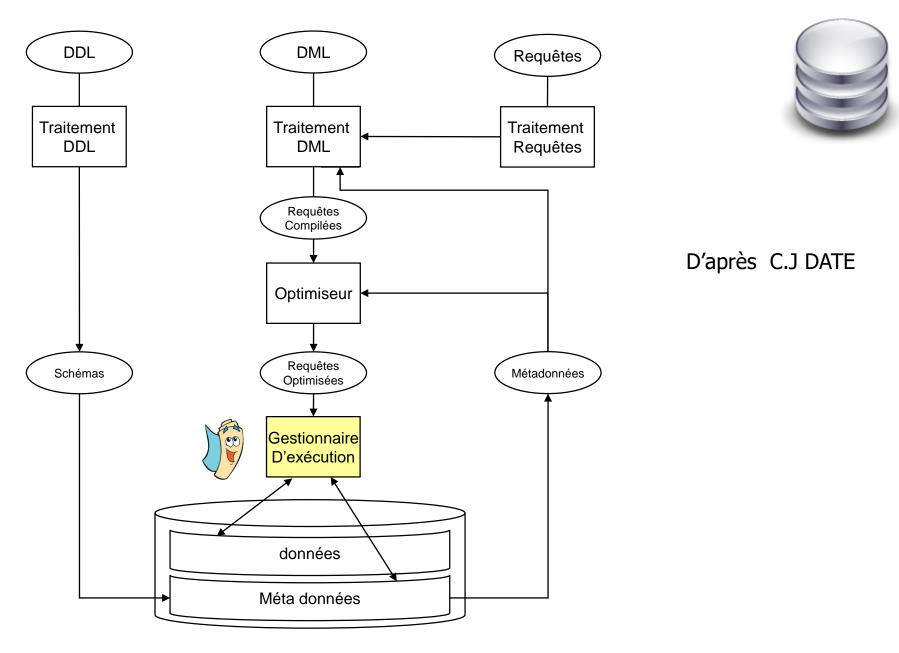
Architectures des Systèmes de Bases de Données



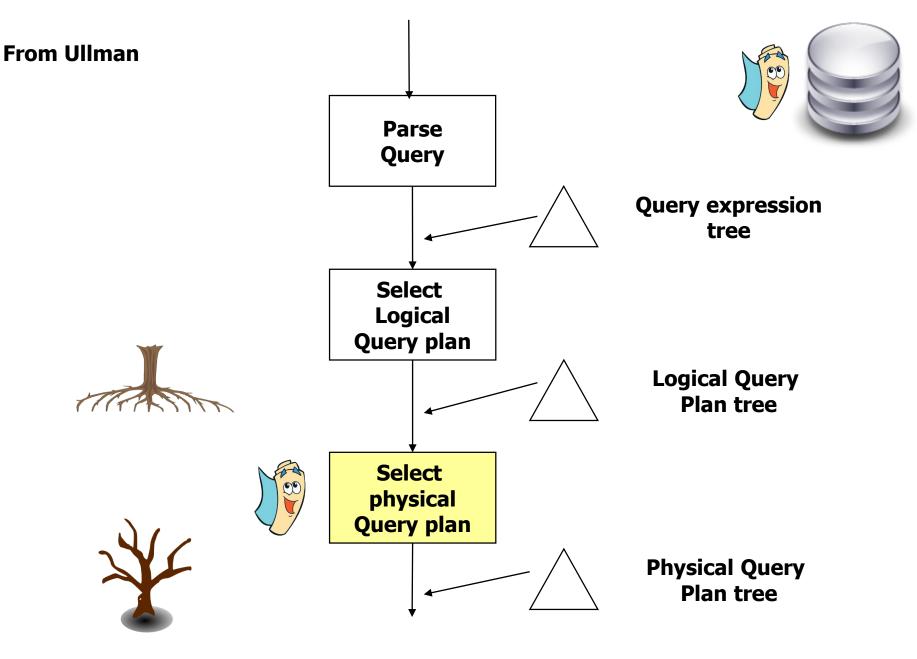
Lab Model







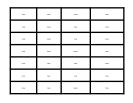
DDL : langage de définition des données; DML : langage de manipulation des données



Du modèle au code



Modèle



Algèbre

 σ owner1=owner2 (Cats \otimes Dogs) = Cat \bowtie Dogs

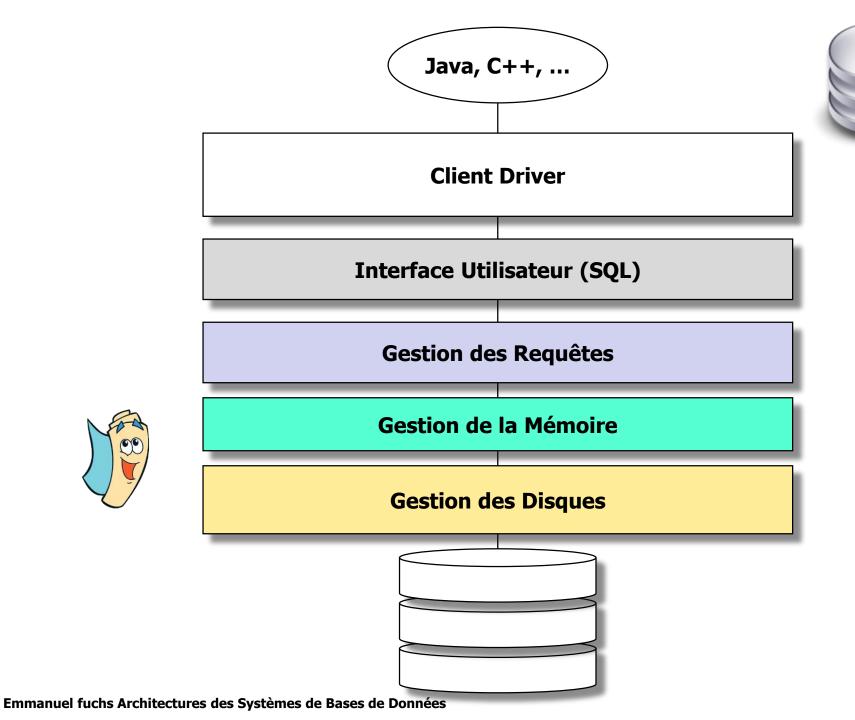


Logiciel



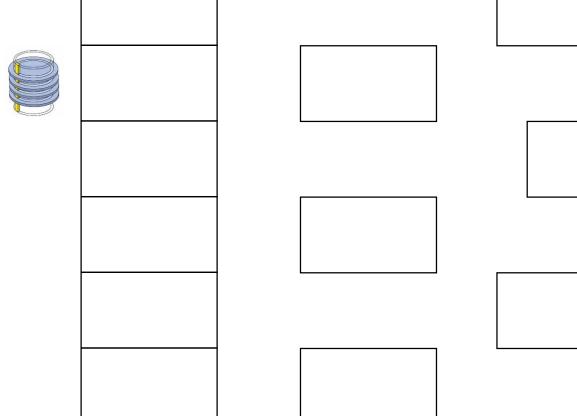
Java, C++,..



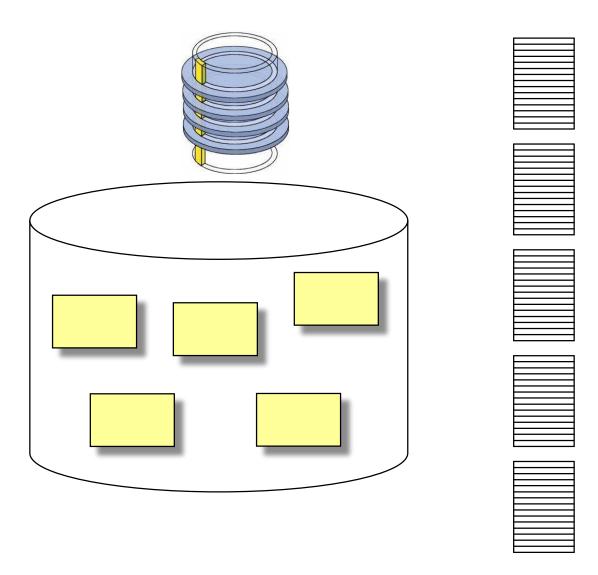


1 Fichier = N Blocks Disques





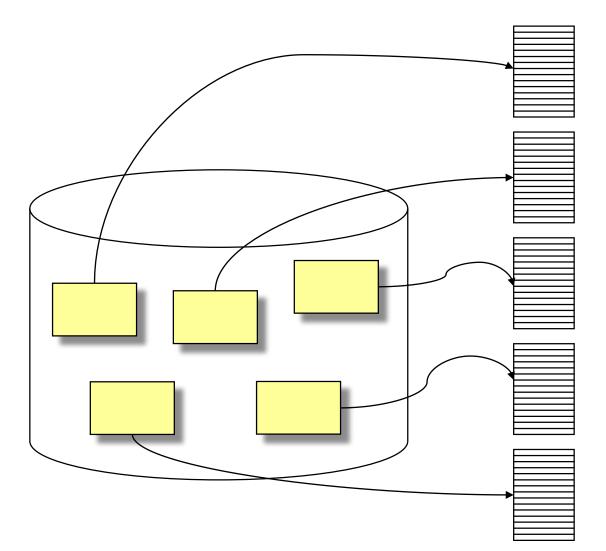
Relations et blocks disques



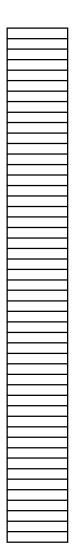




Relations et blocks disques



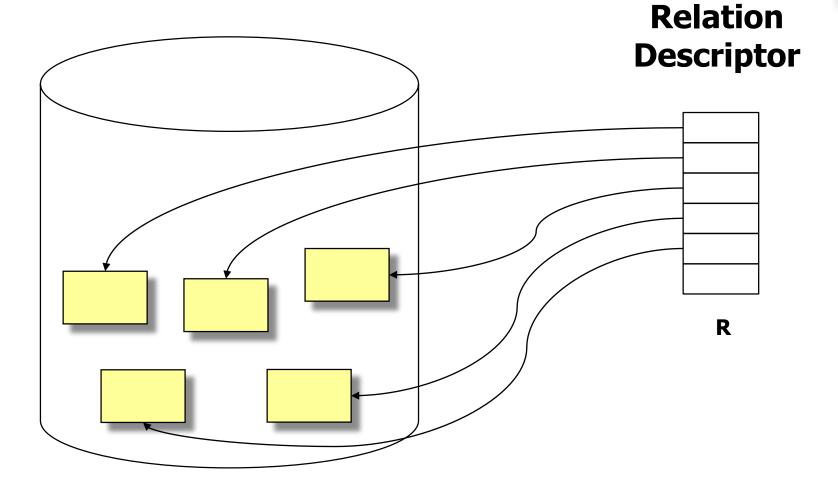




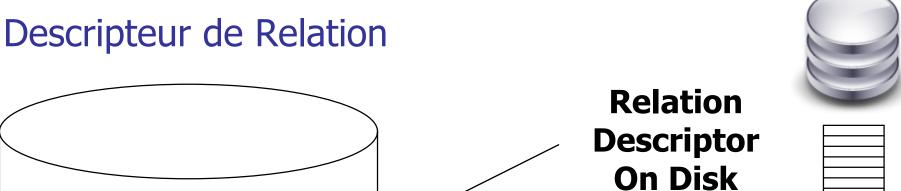
R

Descripteur de Relation

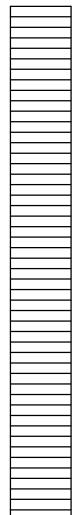






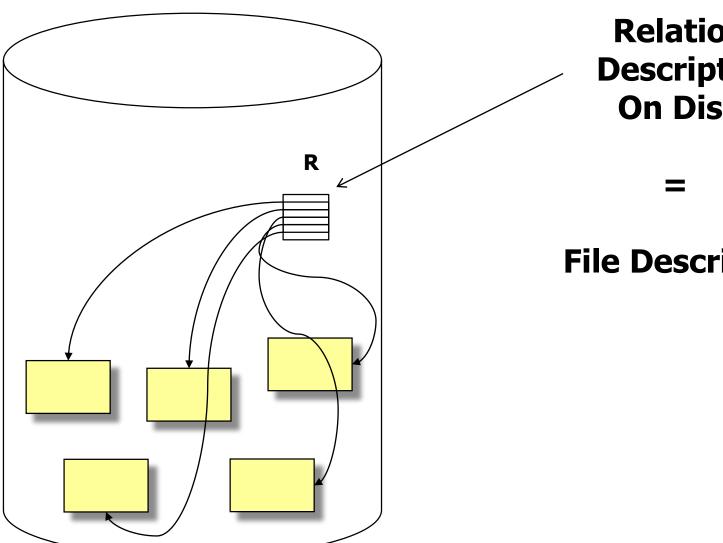






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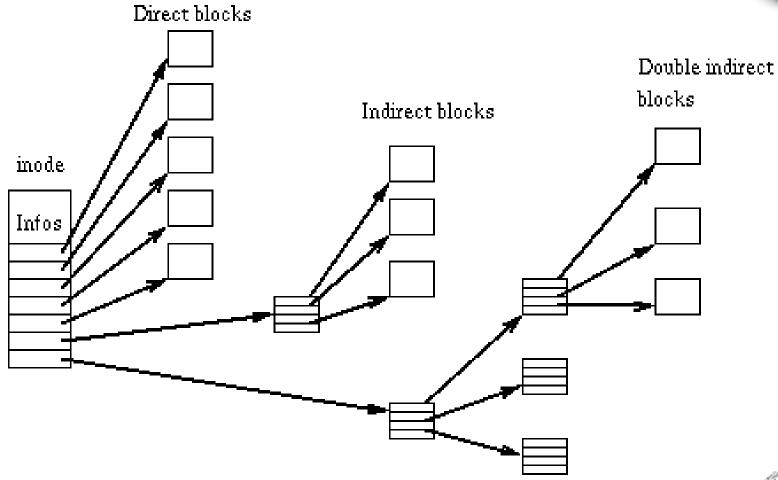




File Descriptor

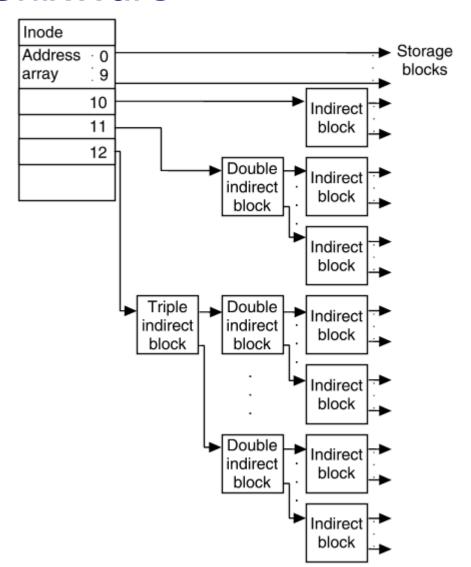
Unix Linux Inode







UnixWare



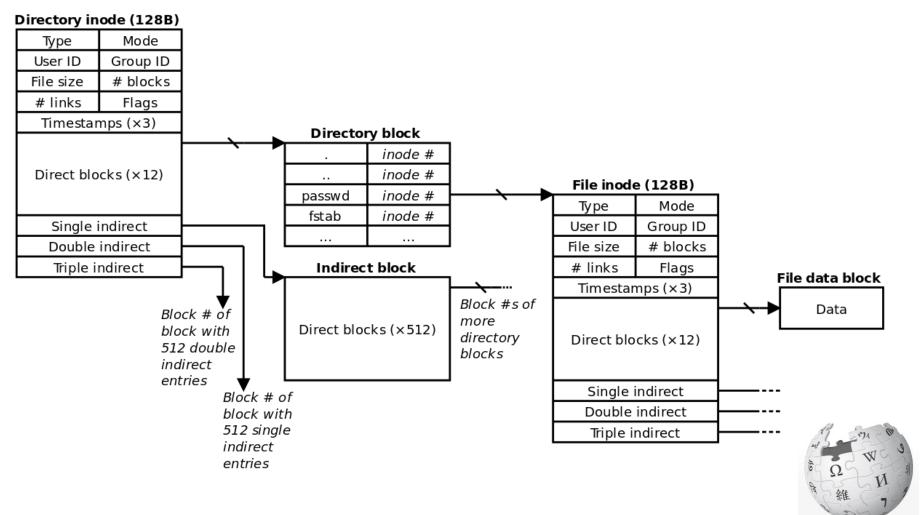




Ufs Unix File System structure

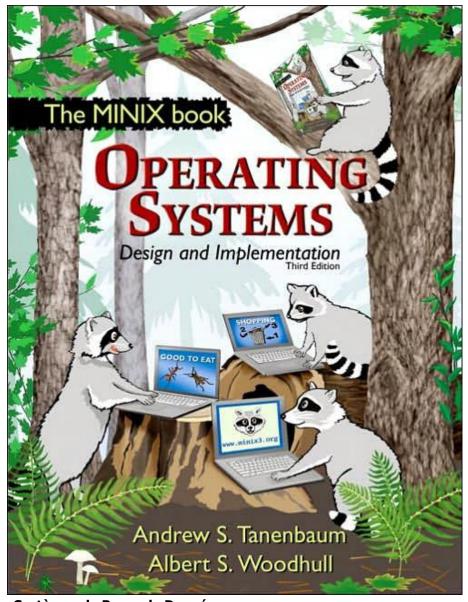


https://en.wikipedia.org/wiki/Unix_File_System



MOS MINIX





MOS



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Chapter 4 File Systems

Unix Linux Inode

Hierarchical Directory Systems (2)

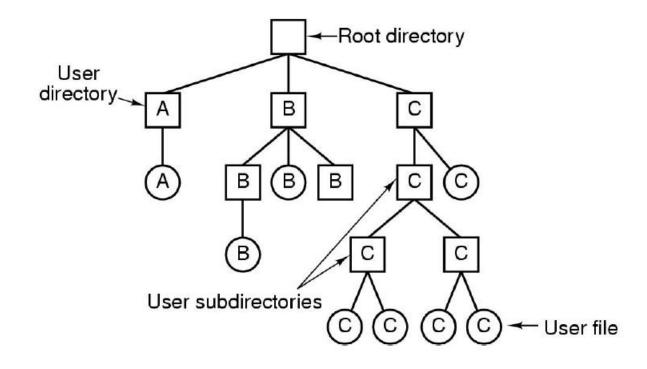


Figure 4-7. A hierarchical directory system.

Unix Linux Inode



I-nodes

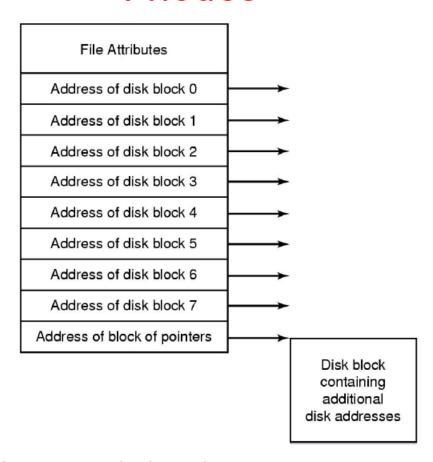
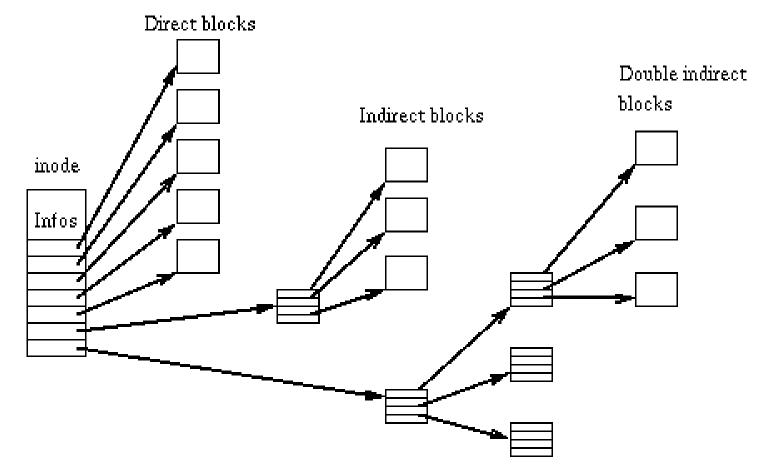


Figure 4-13. An example i-node.

Bllock index VS File descriptor or inode





UNIX

Unix is 32-bit multi-tasking, multi-user OS (Operating System) invented by Bell Labs that is used on many type of computer systems. UNIX was designed to be a small, flexible system used exclusively by programmers.



Inode



The UNIX V7 File System (2)

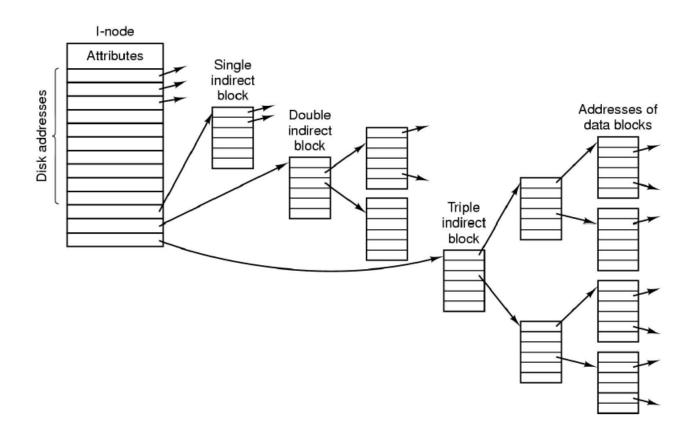
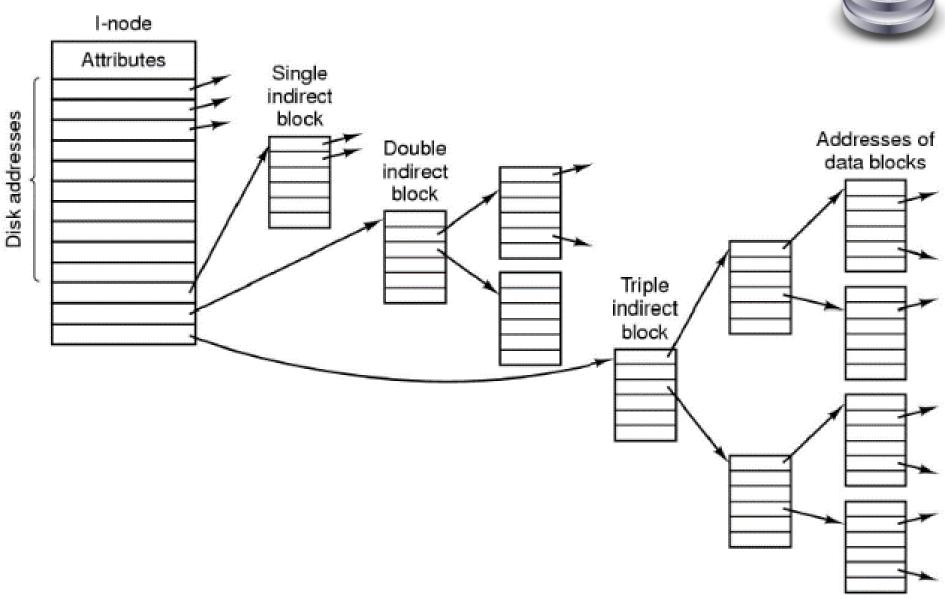
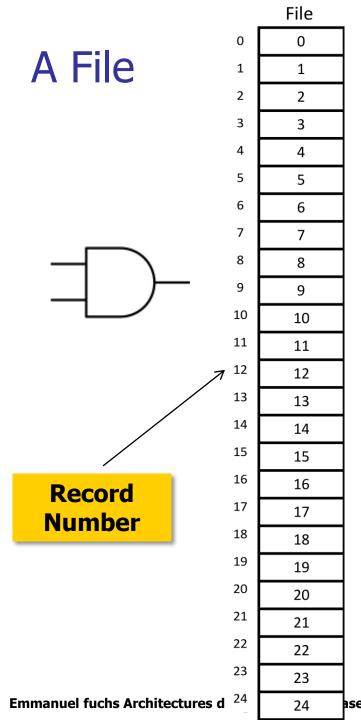


Figure 4-34. A UNIX i-node.

Inode









ses de Données

