Chapter 13

Distributed Databases

Web Resources

1. Using Specification-Driven Concepts for Distributed Data Management and Dissemination

   Using Specification-Driven Concepts for Distributed Data Management and Dissemination by M. Brian Blake presents an architectural design to implement a DDBMS using XML, Java Servlets, XSL and RDBMS.

   http://www.cs.georgetown.edu/~blakeb/pubs/blake_CIKM2002_submitted.pdf

2. Group of Parallel and Distributed Processing

   The GPPD (Group of Parallel and Distributed Processing) is a research group which has several projects concerning parallel and distributed processing. Research areas include cluster computing, image processing, multi-agent systems, object-oriented distributed languages. http://gppd.inf.ufrgs.br/new/

3. SETI@home

   SETI@home is a scientific experiment that uses distributed processing via Internet-connected computers in the Search for Extraterrestrial Intelligence (SETI). Many such projects have emerged lately, harnessing the processing power of millions of idle computers over the Internet. http://setiathome.ssl.berkeley.edu./

4. Distributed Database Concepts in ORACLE 10g

   This chapter discusses the Oracle's distributed database architecture and how heterogeneous distributed databases can be built. Also outlined are the processes of developing and administering an Oracle distributed database system.
   Available:

   http://download.oracle.com/docs/cd/B19306_01/server.102/b14231/ds_concepts.htm#ADMIN028

5. Distributed Database Architecture of ORACLE 11g

   This site contains definitions of both **homogenous and heterogeneous distributed database systems** and a general introduction to the ORACLE 11g architecture.
   Available:

   http://download.oracle.com/docs/cd/B28359_01/server.111/b28310/ds_concepts001.htm

6. The IEEE Computer Society Distributed Databases site.

   This site discusses distributed databases related issues including transaction
   management, concurrency, recovery, fault-tolerance, security, and mobility.
   Available:http://dsonline.computer.org/portal/site/dsonline/menuitem.9ed3d9924aeb0
   dcd82ccc6716bbe36ec/index.jsp?&pName=dso_level1&path=dsonline/topics/databas
   es&file=index.xml&xsl=article.xsl&

7. Taming the Distributed Database Problem: A Case Study Using MySQL

   This article looks how data can be distributed using MySQL.

   Available: http://www.samag.com/documents/s=9370/sam0408e/0408e.htm

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