Information and Computer Technologies

Research on digital resources integration model in cloud computing environment

Ying-jiang Han

*Computer Modelling & New Technologies 2015 **19**(3B) 7-10*

This article analyzed the present situation of digital resources integration, expound the content and methods of the digital resources integration, focused on related digital resources integration theory for cloud computing environment, combined with the characteristics of cloud computing, and proposed the application and improvement of the digital resources integration based on cloud computing technology.

Keywords: Cloud Computing, Digital Resources, Resources Integration

The application of database technology in the network management system

Xue-rui Wang

*Computer Modelling & New Technologies 2015 **19**(3B) 11-13*

In today's society, the internet was increasingly expanding the scale of the computer network, the structure of the network has become more and more complex, the network management system must have a higher intelligence. A large amount of data had been processed in the network management system, and the application rules on data processing are the two most basic elements, and the database had provided a technical solution to achieve the function of these basic elements. This paper discussed the network management system, the basic function of network protocols and network management MIB databases, the ERC plus method of database design are discussed, and the application example is given. The article also analyzed the adaptability of network management application on database. The design and maintenance of the network system is very useful.

Keywords: Database, Network Management System, Network Management, Protocol Management Information Base, ERC Plus Method

Using apache storm for big data

S Surshanov

*Computer Modelling & New Technologies 2015 **19**(3B) 14-17*

The rapid growth in information technologies has resulted in creating of new concepts, opportunities and challenges. Big Data (BD) is one of them with its tools and techniques. Big data is becoming a metonym for competitive advantage in business. However, majority is not yet familiar on what are or what is meant by "Big Data". In spite its huge benefits, big data has serious challenges and requires some critical thoughts when it comes to analyzing of big data. This study focuses on exploring the meaning of BD, identifying important parts of research on BD and its analysis concepts using sample from Twitter information using the real-time processing software called Apache Storm.

Keywords: Big Data, distributed computing, apache storm, real-time processing