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A Mechanism of Initiative Transmission to Send Message on WEBGIS

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ABSTRACT
The paper researched and realized the initiative message transmission mechanism of WEBGIS server based on the N layer architecture of Internet. According to WEBGIS application long business operation as well as server information visualized in client side in real-time features, this article uses the Socket communication and the client side with JAVA Applet to realize that the WEB server can send message initiative to the client. It comes up and realizes a concrete plan of initiative transmission mechanism in WEBGIS. We run the realization plan based on Winsock through the project practice of Guangzhou cable TV network security monitoring and alarm system. The system operation has been verified in system running. The combination of this mechanism with conventional WEBGIS can greatly improve the performance and the usability of WEBGIS.

KEYWORDS
WEBGIS, message, initiative transmission

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References
[1]   Wu Xincai, etc Principle and Method of Geographic Information System, Electronics Industry Press, March, 2002.

[2]   Luo Xiangang, XieZhong, Wu Liang and so on, Research and Realization of WEBGIS Based on Module, ASP and Java Applet, Computer Project and Design, 11th issue, 2003.

[3]   Tian Guoliang, Domestically GIS Application Demonstration Project [J], China Image and Graph Journal (Application Edition), 2001, 6(9):9-10.

[4]   Xu Chunjie, Zou Lejun, Shen Xiaohua. Application in WEBGIS of GML [J] Remote Sensing Information, 2002, (3):38-40.

[5]   Zhou Wensheng. Research of WEBGIS Based on SVG [J]. China Image and Graph Journal, 2002, 7A (7):693-698.

[6]   Yu Tao, Yu Lizhong, Wang zheng. Development and Application of GIS Technology under the Motion Computation Environment, Survey Notification, 2002,(2):40-42.

[7]   Zhou Yantao, Li Liming, "Network Programming Technology and Its Realization under TCP/IP Agreement", Aeronautical Computation Technique, 2002, 9.Vol.32, No.3, p122-125.

[8]   [US] Richard Stevens, "TCP/IP Explains in detail", Second Volume, Beijing: Mechanical Industry Press, 2000.

[9]   Cai Hui, Ding Xiaoqun and so on, Application in Distributional Electrical Network Supervisory System of Network Programming Interface, Computer and Modernization, 2000, No.4.

[10]   Li Liping, Winsock Network Communication Program Design Based on VC++, Vol.16-No.6, Junior College Journal of Guangxi Youjiang Folk, 2003.12.