
Firewall System Based on IPv4/IPv6

Min Lianying Chen Jiong
School of Computer Science and Technology, Wuhan University of Technology
Wuhan, 430063, China PR
Email: min_ly@mail.whut.edu.cn **Tel.:**+86 (0)27-86554621

ABSTRACT

This Paper introduces the basic form of IPv6 protocol and the conversion mechanism about network address on IPv4/Ipv6; and then analyses the system structure of firewall and SOCKS protocol; Finally it designs a SOCKS firewall system structure based on IPv4/IPv6 protocol, points out the working principle and working procedure of it detailedly.

Keywords: Internet, IPv4, IPv6, Firewall.