Design and Implementation of a High-performance Active Network Security System

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Abstract

This paper describes the design, implementation and performance of a high-performance security system – Active Network Security Immune System (ANSIS) – based on active network. ANSIS is a compatible, scalable and practical network framework. It uses distributed security services to solve various security problems. The detective technique implemented in ANSIS can handle any type of DoS attacks, including novel worm spreading. Moreover, ANSIS not only improve the security of network system substantially, but also reduce the management and maintenance cost by a wide margin

Keyword：Active Network, DoS, Network Security