TRACE BACK MECHANISM FOR RECTIFIED PROBABILISTIC PACKET MARKING

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ABSTRACT

A new probabilistic packet marking technology (called as P3M) based on path identification to defence serious distributed denial of service attacks and solves complex computation and other problem existed in traditional probabilistic packet marking (PPM) technologies. First contribution is constructing a new payload to carry router address and path identification. The second contribution is designing a new path identification scheme based on router addresses and hash algorithm. P3M is a practical technology to defence DDoS.

KEYWORDS: Structured Network, Secure Data Sharing