

ENCRYPTED SIGNATURE SCHEME FOR SECURE & SELECTIVE DISSEMINATION OF TREE STRUCTURED DATA (XML)

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ABSTRACT

Most of the data represent on web is hierarchical data structure. The main problem of tree structured data is that, to secure and making it available in efficient manner both in internal & external level. Dissemination of data address the issues if verified integrity of data without any leakage and selective and secure distribution of data in network

In proposed approach, Encrypted Signature Scheme binds as well as hides the information. Encrypted Post Order Numbering (EPON) overcomes the vulnerabilities of Post Order Numbering (PON). It is based on the structure of tree, as defined by post order tree traversal technique. It uses a randomized notion and Order Preserving Encryption Scheme (OPES) of such traversal numbers. This technique not only prevents the information leakage, but also provides better security for tree structured data.

KEYWORDS: Confidentiality, Epon, Integrity, Pon, Opes, Vulnerability