Abstract

An integrated node processor cycle based capture system assures secured serving requests for data. This work introduces a significant extension to the use of operation cycles for network protection. The main function of the operation cycle is to protect path segments and facilitate contiguous working flow. In this paper, the individual nodes have a unique cycle code pattern generated by respective node processor that is kept dynamic for both the node and host/server. A search cycle code pattern algorithm for fast iterative operation cycle analysis is also proposed.

References

Efficient Node Processor with Cycle State Capture Unit (CSCU) for Secure Intercommunication Module


- J. Wang, L. Dolecek and R. D. Wesel, "Controlling LDPC absorbing sets via the null space of the cycle consistency matrix", in proceeding IEEE International Conference on Communication (ICC), Kyoto, Japan, Jun. 2011.


- Rebecca Copeland, "Policies to Enable Serving Untrusted Services on Alternative (non-3GPP) and Untrusted Access Networks in EPS", 3rd International IEEE Workshop
on Open NGN and IMS Testbeds: Next Generation Network Evolution Towards the Future Internet, Munich: Germany, 2011.


Index Terms

Computer Science

Security

Keywords

Cycle State Capture Unit (CSCU)  Node Processor  Operation Cycle  Network Security