

Title: Research and Practice of Decentralized Trustworthy Network Infrastructure

Abstract: With the frequent occurrence of network security issues, the industry has not satisfied the patch-based external security solution, and it is hoped that the endogenous security can be realized from the network architecture innovation. we propose a trustworthy newtwork architecture based on blockchain technology, which effectively solve the problem of lack of endogenous security in existing networks. We also build a testbed based on the CNGI(China's Next Generation Internet), and do lots of tests on BGP security verification, we will share with you the latest research progress.