

Abstract

Today, you can see the rapid development of cloud computing environments. At the same time, computing systems are rapidly improving, so with their development, hackers have more and more different types to carry out successful attacks on cloud hosts. This diploma project describes the architecture of an array of binary trees to protect cloud hosting from DDoS-attacks. After analyzing the currently available methods of protection, it was decided to use the theory of Queuing systems, the specifics of which are well suited to determine this type of attack.