

Abstract

The goal of this diploma project is to create a secure network using the EVE-NG virtual laboratory. As a result of this work, we will get a secure network with scalability due to the modular architecture. It is based on fault tolerance of infrastructure objects, a stable communication channel with remote offices via the Internet, and a zoned design for differentiating internal objects in the network. The created network scheme is aimed at small and medium-sized enterprises, which can adapt and change it at their own discretion. The peppermint x64-based Linux operating system is used for design and deployment.