网络数据入侵中的路线图谱绘制方法研究

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摘 要:提出基于改进竞争关联优化算法的网络数据入侵中的路线图谱绘制方法,该方法计算网络检测模块的平均入侵检测率,组建实时网络数据入侵流量模型,并获取网络数据入侵流量特征,在此基础上利用竞争关联优化算法利用确定的入侵参数来选取网络数据入侵的簇头,并利用加入竞争因子的蚁群方法对网络入侵中的各个路线进行检测,有效完成了对网络数据入侵中的路线图谱绘制,实验结果表明,基于改进竞争关联优化算法的网络数据入侵中的路线图谱绘制方法有效地提升了网络通信的安全性与稳定性.

关键词:数据入侵;入侵检测;路线图谱

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Research on the Calculation Method of Network Data Invasion Route Map

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Abstract: Associated optimization algorithm is proposed based on improved competition network data in the invasion route map calculation method. This method calculates the average rate of intrusion detection network detection module, a real-time invasion of network data flow model, and get the invasion of network data flow characteristics, on the basis of the use of competition associated intrusion parameters optimization algorithm is used to select data network intrusion of cluster heads, and use the add competition factor of ant colony method for each of the routes in the network intrusion detection, effectively completed the route map of network intrusion data calculation. The experimental results show that the associated optimization algorithm based on improved competition calculation method of the network data in the invasion route map can effectively enhance the security and stability of the network communication.

Key words: data invasion; intrusion detection; route map

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