To create a comprehensive testbed, we designed and implemented two networks, namely Attack-Network and Victim-Network

B-Profile system

Attacks were subsequently executed during this period

create dataset

analysis:

extract 80 traffic features

RandomForestRegressor to select best features

calculate importance of each feature in the whole dataset, then we achieve the final result by multiplying the average standardized mean value of each feature split on each class, with the corresponding feature importance’s value.

examine the performance and accuracy with seven algorithms

Adaboost, Multilayer perceptron (MLP), Naive-Bayes (NB), Quadratic Discriminant Analysis (QDA)

performance pr,rc,f1

dataset with 11 cirtical: