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# ****Journal Structrue Analysis:****

**Abstract:**介绍本文背景：当前网络中备受流量攻击，在我们的调查中学者提出的解决办法无法实施，因为要改变前网络；介绍本文方法：无需对当前网络作任何更改即可实施且经过网络评枯，硬件测试和大范围模拟证明本方法有效。

**Introduction:**介绍DdoS攻击的背景及介绍本文提出方法的好处。

**Ddos Defense Today:**深入调查一些知名企业受ddos攻击和防御情况，说多学都的方法在实际中无法实施，收费的DDOS防御服务效果不理想同时还有隐私问题。

**Design Goals and Assumptions:**Description of the paper's goal and assumption。

System Overview:An overview of proposed system

**Detailed Design of mboxes:**Detail description of each part of the proposed machanism,

which contains:Information Table,Capability Computation,Traffic Policing Logic,and some

mathmatical formular and algorithm.

**Packet filtering:**This section described how the system will reaction to an exceptional case in the proposed mechanism.

**Source Authentication:** This section describted how to ensure the security of the proposed system.

**Implementation:**This part describted how to implement the proposed system,it consists of the basic enviroment,how to set the basic parammeter,which entryption method we have choosed and how to choose evaluation metric.

**Evaluation:**This part show us the expriment results and relative analysis of the expriment,the results is showd in line charts,bar charts,and table.Also,each expriment has a conclusion about the proposed system,better or worse when compared with other research's work.

**Related Work:**The discription of other work about how to sove DDoS attack.

**Discussion:**It lists some advantage of the prosed mechanism,for example:low cost,victim oriented,and learning traffic features.

**Conclusion:**The conclusion of this paper,including the addressed challenge,the paper's contribution and some future work.

**Acknoledgments:**Express some gratitude to anonymous reviewers and their valuable feedback.

# Language style Analysis

## Lexical Analysis:

文中有很多不认识的单词，总结如下：

spectrum n. 光谱   
scrub vt. 用力擦洗   
hurdle n. 障碍；栏   
caveat n. 警告   
decent adj. 正派的；得体的   
churn vi. 搅拌；搅动   
regime n. 政权，政体   
trim v. 修剪   
incentive adj. 激励的   
influx n. 流入；汇集   
compliant adj. 顺从的   
inflation n. 膨胀   
用词很高级，毕竟有这么多不认识的正式词

## Syntactical Analysis:

我其实并不是很懂语法，成份我只知道主谓宾，其他三个我都找不到。对于那些复杂句从句什么的我就更找不到成份了。这篇文章里面好多句子都是We作主语，如：

**1.**We implement a prototype of MiddlePolice and demonstrate its feasibility via extensive evaluations in the Internet, hardware testbed, and large-scale simulations.陈述句，主(we)+谓(implement)+宾(prototype)+and+谓(demostrate)+宾(feasibility)，其他都是修饰。

**2**.Before discussing our proposed system, we first present our study of current status of real-world DDoS attacks and defense. 主(we)+谓(present)+宾(study)，其他都是修饰。

**3.**We interviewed security engineers/administrators from potential DDoS victims that are fairly large organizations whose online presence is critical for their business.这个whose后面是organizations的修饰，that后面是victims的修饰，主(We)+谓(interviewed)+宾(engineers)

**4.**Having understood the status of real-world DDoS defense, when designing MiddlePolice, we explicitly achieve two primary goals: being readily deployable in the current Internet and offering proactive mitigation even against sophisticated DDoS attacks. 主+谓+宾(We achieve goals),其他都是修饰！

**我觉得一个句子不管再长，找到主谓宾再找到谁是谁的修饰大概就能知道这个句子的意思，至于它是什么从句这块我很生疏。**

# Purpose

## Knowing about：

在阅读了很多文章后发现出版商不同文章的语言风格也不同，所有的文章中句子的表达都是正式的表达，而本文中没有出现任何不正式的单词和表达，没有任何单词缩写，没有第二人称的出现，没有祈使句的出现，也几乎没有短句和简单句，更没有口语式的表达。

## Defficulties：

1.句子我基本都能看懂，单词不认识的也不多，但是我并不知道这个句子是什么结构，比如：Further, relying on our novel capability feedback mechanism, MiddlePolice is able to enforce destination-driven traffic control so that it guarantees to deliver victim-desired traffic regardless of the attacker strategies. 这个句子我看完我知道他想表达的是什么意思，但我并不知道句子哪个部分是什么成份。当然，我自己写的时候我也不知道句子哪个对哪个成份，通不通啥了都根本不知道，我也很想知道外国人看了我写的是啥感觉。

2.论文基本都能读懂，但是如果让我上手写，我可能一句都写不出来，就不要说什么正式语言，不正式的我都写不出来。

3.本篇论文难的句子不多，以前看的难句子很可惜当时没有意识记录下来，因为当明根本没想过会有老师指导写作，以后会注意。

4.对单词方面，目前所会许多单词与论文中的不认识的单词其实同义，但是英语是一个表达十分准确的语言，当初背单词的时候是照着汉语意思背的，因此一个句子中那么多同义的单词我应该使用哪一个，是我目前很大的一个难点。

5.这里列出一个不大懂的句子：

An invariant is specified as a verification function that takes as input the forwarding graph for a specific EC(Equivalence classes),performs arbitrary computation,and can trigger resulting actions.