登录

DNS查询工具

TimeS0ng / 2017-11-13 12:53:31 / 浏览数 3111 安全工具 工具 顶(0) 踩(0)

0x00. dnsenum简介

dnsenum
是一款非常强大的域名信息收集工具。它的目的是尽可能多的收集一个域的信息，能够通过谷歌或者字典文件猜测可能存在的域名，以及对一个网段进行反向查
record（邮件交换记录），在域名服务器上执行axfr请求，通过谷歌脚本得到扩展域名信息（google
hacking），提取自域名并查询，计算C类地址并执行whois查询，执行反向查询，把地址段写入文件等。

语法基础：

dnsenum sina.com.cn

dnsenum sina.com.cn -f /usr/share/dnsenum/dns.txt

指定字典爆破子域

dnsenum sina.com.cn --enum

参数：

--dnsserver 8.8.8.8 指定DNS server

--enum 指定线程5，使用谷歌查询，进行whois查询

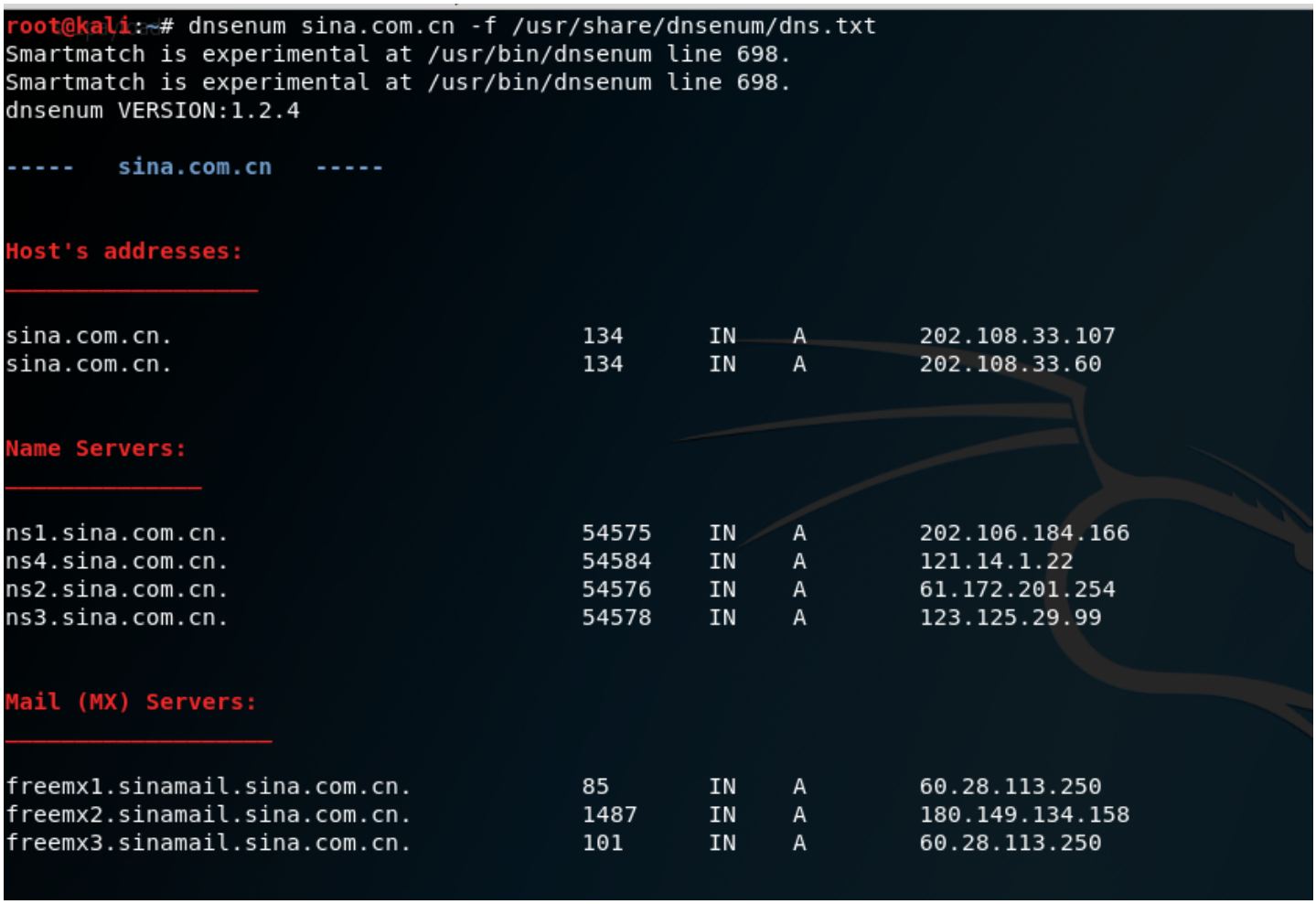
--noreverse 跳过反向域名查询

--threads 指定线程

-f dns.txt 指定域名爆破字典

-w 进行whois查询

-o report.xml 输出XML格式的文件



0x01. dnsrecon简介

dns是最主要的服务暴露信息来源，我们可以根据dns域名收集以下信息：

- 发现开放端口的主机
- 发现子域及开放端口
- DNS域名注册信息
- DNS服务器区域传输

语法基础：

dnsrecon -d sina.com.cn

基本的SOA、NS、A、AAAA、MX、SRV查询

dnsrecon -r 60.28.2.0/24

反向PTR查询域名

dnsrecon -a -d sina.com.cn

标准加axfr区域传输

dnsrecon -w -d sina.com.cn

标准加whois查询

dnsrecon -g -d sina.com.cn

标准加google

dnsrecon -D dictionary.txt sina.com.cn

字典爆破主机和子域名

dnsrecon -z -d weberdns.de

当域启动DNSSEC，对于缺乏防护的DNS服务器，可以利用NSEC记录获取区域内全部记录，无需爆破

参数：

-t brt 使用内建字典

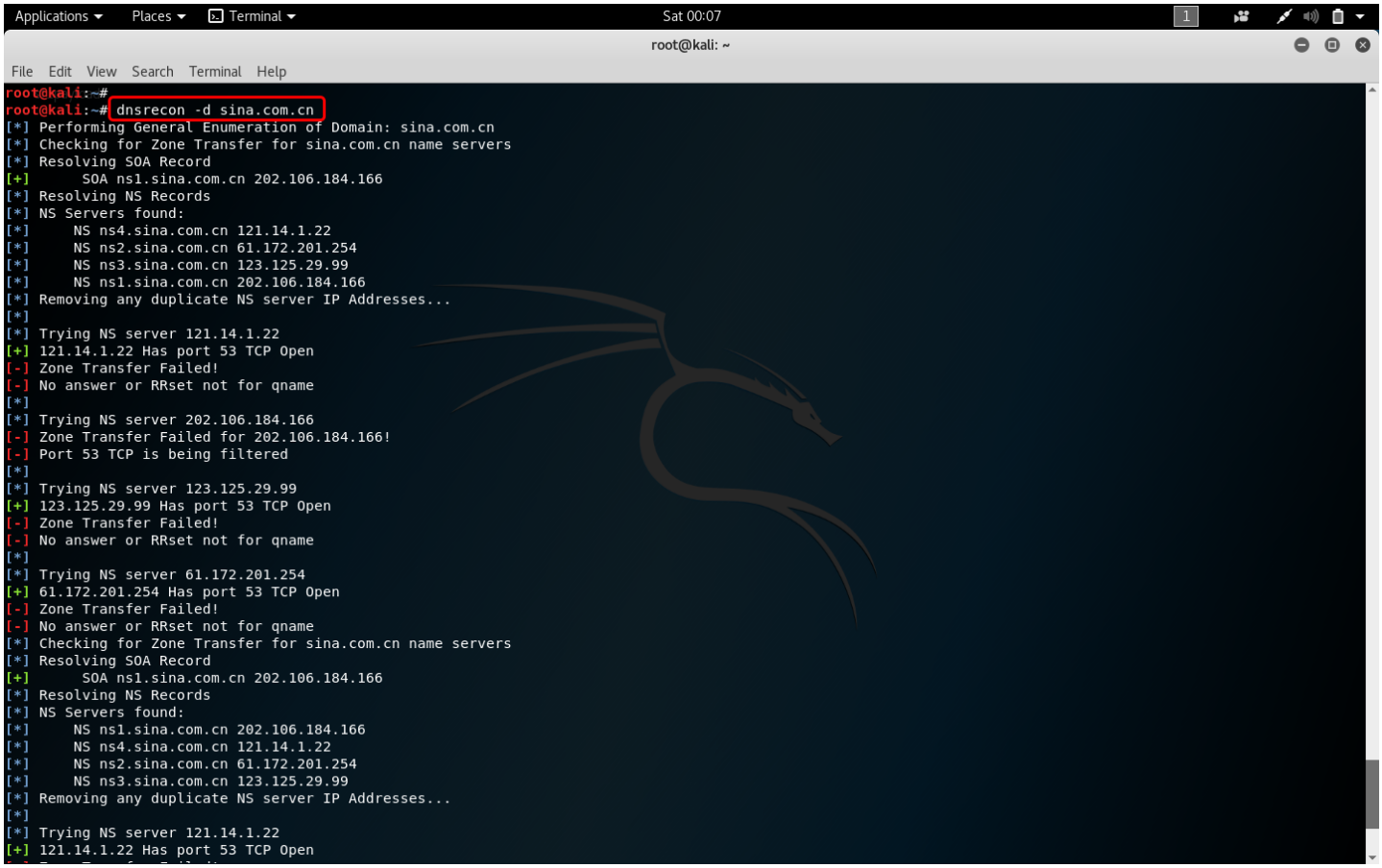
-t std 默认的标准查询

-t srv 只查srv记录（AD、voip电话）

-t axfr 标准加axfr记录（-a）

-t tld 删除并尝试所有顶级域名(IANA)

--threads 指定线程数



0x02. dnswalk 简介

基础语法：

dnswalk -radmilF sina.com.cn

参数：

-r #对指定域名的子域进行递归查询

-a #发现重复的A记录发出告警

-d #将调试状态信息输出到stderr

-m #仅检查上次运行后发生变化的记录

-F #检查PTR记录IP是否与对应A记录相符

-i #不检查域名中的无效字符

-l #检查区域文件中NS记录主机是否能返回正确的应答

0x03. dnstracer 简介

dnstracer 是用于追踪DNF查询请求的，可以从根域->目标域一步一步迭代查看查询请求。

基础语法：

dnstracer -co4 -s . www.baidu.com

参数：

-c #不使用本地缓存

-o #只显示查询简介

-4 #不进行IPv6查询

-s . #指定初始查询的服务器是根域

```
root@kali:~# dnstracer -co4 -s . times0ng.github.io
Tracing to times0ng.github.io[a] via A.ROOT-SERVERS.NET, maximum of 3 retries
A.ROOT-SERVERS.NET [.] (198.41.0.4)
 |\___ c0.nic.io [io] (2a01:8840:00a0:0000:0000:0000:0000:0017) Not queried
 |\___ c0.nic.io [io] (65.22.162.17)
 |      |\___ ns-1339.awsdns-39.org [github.io] (205.251.197.59) Got authoritative answer [received type is cname]
 |      |\___ ns-1339.awsdns-39.org [github.io] (2600:9000:5305:3b00:0000:0000:0000:0001) Not queried
 |      |\___ ns-692.awsdns-22.net [github.io] (205.251.194.180) Got authoritative answer [received type is cname]
 |      |\___ ns-692.awsdns-22.net [github.io] (2600:9000:5302:b400:0000:0000:0000:0001) Not queried
 |      |\___ ns1.p16.dynect.net [github.io] (208.78.70.16) Got authoritative answer [received type is cname]
 |      |\___ ns1.p16.dynect.net [github.io] (2001:0500:0090:0001:0000:0000:0000:0016) Not queried
 |      |\___ ns-1622.awsdns-10.co.uk [github.io] (205.251.198.86) Got authoritative answer [received type is cname]
 |      |\___ ns-1622.awsdns-10.co.uk [github.io] (2600:9000:5306:5600:0000:0000:0000:0001) Not queried
 |      |\___ ns2.p16.dynect.net [github.io] (204.13.250.16) Got authoritative answer [received type is cname]
 |\___ ns-a3.io [io] (74.116.178.1)
 |      |\___ ns-1622.awsdns-10.co.uk [github.io] (205.251.198.86) Got authoritative answer [received type is cname]
 |      |\___ ns-1622.awsdns-10.co.uk [github.io] (2600:9000:5306:5600:0000:0000:0000:0001) Not queried
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 |      |\___ ns1.p16.dynect.net [github.io] (208.78.70.16) Got authoritative answer [received type is cname]
 |      |\___ ns1.p16.dynect.net [github.io] (2001:0500:0090:0001:0000:0000:0000:0016) Not queried
 |\___ ns-a1.io [io] (2001:0678:0004:0000:0000:0000:0000:0001) Not queried
 |\___ ns-a1.io [io] (194.0.1.1)
 |      |\___ ns-1622.awsdns-10.co.uk [github.io] (205.251.198.86) Got authoritative answer [received type is cname]
 |      |\___ ns-1622.awsdns-10.co.uk [github.io] (2600:9000:5306:5600:0000:0000:0000:0001) Not queried
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 |\___ a2.nic.io [io] (2a01:8840:00a1:0000:0000:0000:0000:0017) Not queried
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上一篇：SNMP协议攻击 下一篇：hping3数据包定制

1. 2 条回复


33715****@qq.com 2017-11-17 14:17:40

但是谷歌访问不了

0 回复Ta


haorenx 2018-07-25 09:00:39

可以利用网站服务进行查询：https://github.com/haorenx/SDL-Tools/blob/master/sub_domain.py
皮一下 http://35.231.125.239/t1.htm

0 回复Ta

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