HalcyonIDE

IDE for Nmap Script Developers

Introduction

Halcyon IDE is a development environment for Nmap Script developers, pretty much the first IDE exclusively for NSE development. Written in java to allow a "pull and run" easiness on different operating systems without much hustle.

₹ 2.0.1

\map\scripts

```
Z
Oata | Nmap Libraries
                          C:\Users\s4n7h0\Documents\GitHub\NSE\MS15-034.nse
                          3 local http = require "http"
                          4 local shortport = require "shortport"
                          6 description = [[
                          7 HTTP.sys Denial of Service(BSoD). This script will check if scanned hosts are vulnerable to
                          8 This script will not cause BSoD. If the hosts are found to be vulnerable, sending request w
                         10 https://technet.microsoft.com/en-us/library/security/ms15-034.aspx
                         11 ]]
                         12
                         13 ---
                         14 -- @usage
                         15 ---
                         16 -- nmap --script MS15-034 --script-args="MS15-034.uri=/iisstart.htm" <ip>
                         17 --
                         18 -- @args MS15-034.uri
                                                        [default : /iisstart.htm]
                         19 --
                         20 ---
                         21 --@output
                         22 --80/tcp open http
                         23 -- | MS15-034: host is vulnerable to MS15-034
                         24 ---
                         25
                         26 author = "Sanoop Thomas"
                         27 license = "Same as Nmap--See https://nmap.org/book/man-legal.html"
                         28 categories = {"vuln", "safe"}
                         29
                         30 portrule = shortport.http
                         31
```

```
arp[18:4] = 0x005056C0 and arp[22:2] = 0x0008
                           s elapsed (1 total hosts)
                          ن 0.66 bytes / s.
                         8.1.1
                        3.51.98
                      .73.51.99
                     of 1 host, at 03:09
                   . 0, NX: 0, DR: 0, SF: 0, TR: 6]
                 ution of 1 host. at 03:09, 16.50s elapsed
               (9.63s. Mode: Async [#: 3, OK: 0, NX: 0, DR: 1, SF: 0, TR: 6, CN: 0]
           [1000 ports] د
         wice eth6): dst host 192.168.67.1 and (icmp or icmp6 or ((tcp or udp or sctp) and (src host 192.168.67.155)))
       ,(5900/tcp on 192.168.67.155
     ort 139/tcp on 192.168.67.155
/h0\Documents\GitHub\NSE\MS15-034.nse
```

Features

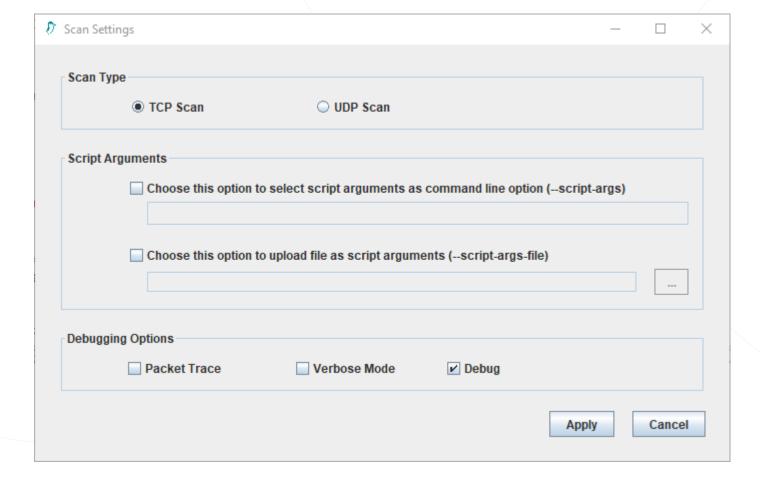
- Code-aware interface
- Interact with Nmap library, scripts and data files.
- Configurable settings for multiple scans
- Debug within the IDE by using Nmap settings
- Post development features.



Halcyon IDE 2.0.1 File Edit Project Help B □ □ □ ₩ 192.168.67.155 Z . default Nmap Scripts NSE Data Nmap Libraries C:\Users\s4n7h0\Documents\GitHub\NSE\MS15-034.nse C:\Users\s4n7h0\Documents\GitHub\NSE\http-lfi.nse C:\Program Files (x86)\Nmap\scripts acarsd-info.nse 58 return Table 59 end address-info.nse 60 afp-brute.nse 61 function craft uri(startpos, endpos, str, r) afp-Is.nse if(endpos == nil) then return string.sub(tostring(str),1,startpos) .. r afp-path-vuln.nse 63 else return string.sub(tostring(str),1, startpos) .. r .. string.sub(tostring(str),endpos) end afp-serverinfo.nse 64 end afp-showmount.nse 65 ajp-auth.nse 66 action = function(host, port) ajp-brute.nse local parsed ="" 67 ajp-headers.nse 68 local url split = {} 69 local url list = {} ajp-methods.nse 70 local fi = {} ajp-request.nse 71 local param="page=" allseeingeye-info.nse 72 local response, pattern, res amqp-info.nse 73 local WIN PATTERN = "[boot loader]" asn-query.nse 74 local NIX PATTERN = "root:x:" auth-owners.nse 75 local flag = 0 auth-spoof.nse 76 local jump= "../" ackorifice-brute.nse 77 local cookie = nil hackorifice-info.nse 78 local resource = "etc/passwd" 79 local depth = 20 acnet-info.nse 80 banner.nse 81 --crawler to check all possible urls bitcoin-getaddr.nse 82 local crawler = httpspider.Crawler:new(host, port, '/', { scriptname = SCRIPT NAME }) bitcoin-info.nse 83 crawler:set timeout(10000) bitcoinrpc-info.nse 84 bittorrent-discovery.nse 85 --setting cookie for checking private pages hinn-discover nee NSE: Loaded 1 scripts for scanning. NSE: Script Pre-scanning. NSE: Starting runlevel 1 (of 1) scan. Initiating NSE at 03:09 Completed NSE at 03:09, 0.00s elapsed Initiating ARP Ping Scan at 03:09 Scanning 192.168.67.155 [1 port] Packet capture filter (device eth6): arp and arp[18:4] = 0x005056C0 and arp[22:2] = 0x0008 Completed ARP Ping Scan at 03:09, 0.83s elapsed (1 total hosts) Overall sending rates: 1.21 packets / s, 50.66 bytes / s. mass_rdns: Using DNS server 192.168.1.1 mass_rdns: Using DNS server 202.73.51.98 mass_rdns: Using DNS server 202.73.51.99 Initiating Parallel DNS resolution of 1 host. at 03:09 mass rdns: 19.63s 0/1 [#: 3, OK: 0, NX: 0, DR: 0, SF: 0, TR: 6] Completed Parallel DNS resolution of 1 host, at 03:09, 16.50s elapsed DNS resolution of 1 IPs took 19.63s. Mode: Async [#: 3, OK: 0, NX: 0, DR: 1, SF: 0, TR: 6, CN: 0] Initiating SYN Stealth Scan at 03:09 Scanning 192.168.67.155 [1000 ports] Packet capture filter (device eth6): dst host 192.168.67.1 and (icmp or icmp6 or ((tcp or udp or sctp) and (src host 192.168.67.155))) Discovered open port 5900/tcp on 192.168.67.155 Discovered open port 139/tcp on 192.168.67.155 C:\Users\s4n7h0\Documents\GitHub\NSE\http-lfi.nse

Scan Settings

Pluggable to multiple scans



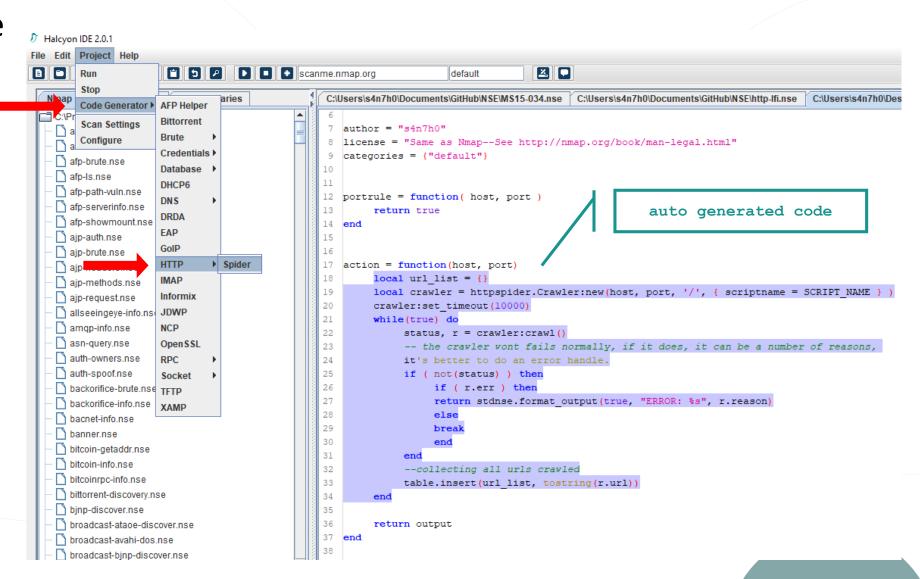


Code window features

Autocomplete

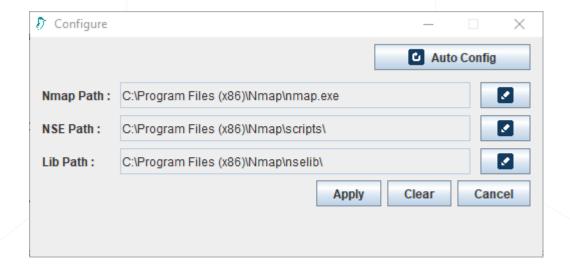
Syntax-aware

Code building



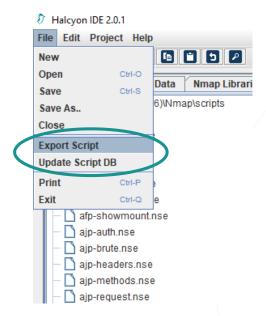
Configuration

- Nmap configuration
 - Auto config options
 - Manual settings



Post Development Actions

- Export script
- Update script-db



Exportig C:\Users\s4n7h0\Documents\GitHub\NSE\MS15-034.nse to Nmap Script path C:\Program Files (x86)\Nmap\scripts\MS15-034.nse ====== Updating Script DB ======= Starting Nmap 7.60 (https://nmap.org) at 2018-08-06 19:06 Pacific Summer Time NSE: Updating rule database. NSE: Script Database updated successfully. Nmap done: 0 IP addresses (0 hosts up) scanned in 1.01 seconds ======= Script DB Updated =======





CONTRIBUTE

- Contribute your code
- Share feedback or user experience
- Test the project and report bugs if you found any
- Suggest features to improve
- Write or talk about the project

THANKYOU

halcyon-ide.org

https://github.com/s4n7h0/Halcyon



SANOOP THOMAS



@s4n7h0