

# INDUSTRIAL PROJECT –I

## Computer Networks

### Team Information:

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### Topic: Website Fingerprinting

### Demonstration:

#### 1. Fingerprinting [www.google.com](http://www.google.com)

```
C:\Users\Admin\Downloads\httpprint_win32_301\httpprint_301\win32>httpprint -h www.google.com -s signatures.txt
httpprint v0.301 (beta) - web server fingerprinting tool
(c) 2003-2005 net-square solutions pvt. ltd. - see readme.txt
http://net-square.com/httpprint/
httpprint@net-square.com
```

```
Finger Printing on http://www.google.com:80/
Finger Printing Completed on http://www.google.com:80/
```

---

```
Host: www.google.com
```

```
Derived Signature:
```

```
gws
```

```
9E431BC8E2CE6926811C9DC5811C9DC5811C9DC5505FCFE84276E4BB630A04DB
0D7645B5811C9DC5811C9DC5CD37187C11DDC7D78398721E811C9DC5811C9DC5
E2CE6926E2CE6923E2CE6923811C9DC5E2CE69272576B769E2CE6926811C9DC5
E2CE6923E1CE67B1811C9DC5E2CE6923E2CE69236ED3C2956ED3C2956ED3C295
6ED3C295E2CE6923811C9DC5E2CE692768D17AAE
```

```
Banner Reported: gws
```

```
Banner Deduced: Microsoft-IIS/6.0
```

```
Score: 87
```

```
Confidence: 52.41
```

---

-----  
Scores:

Microsoft-IIS/6.0: 87 52.41  
Apache/1.3.26: 79 36.40  
Agranat-EmWeb: 79 36.40  
TUX/2.0 (Linux): 79 36.40  
Apache/1.3.27: 78 34.66  
Apache/1.3.[4-24]: 77 32.97  
Apache/1.3.[1-3]: 77 32.97  
WebSitePro/2.3.18: 70 22.57  
Netscape-Enterprise/4.1: 69 21.28  
Apache/2.0.x: 69 21.28  
Apache/1.2.6: 67 18.84  
Com21 Cable Modem: 67 18.84  
Lexmark Optra Printer: 67 18.84  
Oracle Servlet Engine: 64 15.51  
Lotus-Domino/6.x: 63 14.49  
MiniServ/0.01 Webmin: 59 10.81  
Belkin Wireless router: 57 9.20  
SMC Wireless Router 7004VWBR: 57 9.20  
Boa/0.94.11: 57 9.20  
RomPager/4.07 UPnP/1.0: 57 9.20  
JC-HTTPD/1.14.18: 56 8.45  
MikroTik RouterOS: 56 8.45  
cisco-IOS: 55 7.74  
thttpd: 54 7.07  
CompaqHTTPServer/1.0: 54 7.07  
dwhttpd (Sun Answerbook): 54 7.07  
Intel NetportExpressPro/1.0: 54 7.07  
AOLserver/3.5.6: 54 7.07  
Jetty (unverified): 52 5.81  
Stronghold/4.0-Apache/1.3.x: 51 5.24  
EMWHTTPD/1.0: 50 4.69  
Microsoft-IIS/5.1: 49 4.18  
Microsoft-IIS/4.0: 49 4.18

Microsoft-IIS/5.0: 49 4.18  
Microsoft-IIS/5.0 ASP.NET: 49 4.18  
Netscape-Enterprise/6.0: 47 3.24  
IDS-Server/3.2.2: 44 2.05  
RealVNC/4.0: 44 2.05  
BaseHTTP/0.3 Python/2p3.3 edna/0.4: 44 2.05  
Linksys WRT54G: 44 2.05  
Apache-Tomcat/4.1.29: 44 2.05  
TightVNC: 44 2.05  
VisualRoute 2005 Server Edition: 44 2.05  
WebLogic XML Module 8.1: 42 1.39  
Netscape-Enterprise/3.6 SP2: 41 1.09  
Stronghold/2.4.2-Apache/1.3.x: 41 1.09  
Zope/2.6.0 ZServer/1.1b1: 41 1.09  
Domino-Go-Webserver/4.6.2.8: 24 0.96  
WebLogic Server 8.x: 24 0.96  
Linksys AP2: 24 0.96  
WebLogic Server 8.1: 24 0.96  
Tomcat Web Server/3.2.3: 24 0.96  
Linksys with Talisman firmware: 24 0.96  
Zeus/4.0: 23 0.96  
3Com/v1.0: 23 0.96  
AkamaiGHost: 22 0.94  
Jetty/4.2.2: 27 0.92  
Resin/3.0.8: 27 0.92  
NetWare-Enterprise-Web-Server/5.1: 21 0.92  
AssureLogic/2.0: 20 0.89  
Tanberg 880 video conf: 20 0.89  
CompaqHTTPServer-SSL/4.2: 20 0.89  
Netgear MR814v2 - IP\_SHARER WEB 1.0: 20 0.89  
Tcl-Webserver/3.4.2: 20 0.89  
squid/2.5.STABLE5: 29 0.83  
JRun Web Server: 40 0.82  
CompaqHTTPServer/4.2: 40 0.82  
HP-ChaiServer/3.0: 40 0.82  
Ipswitch-IMail/8.12: 40 0.82  
Surgemail webmail (DManager): 30 0.77  
Allied Telesyn Ethernet switch: 30 0.77  
Netscape-Enterprise/3.6: 30 0.77  
Adaptec ASM 1.1: 16 0.71  
Lotus-Domino/5.x: 16 0.71

Microsoft-IIS/5.0 Virtual Host: 16 0.71  
Xerver\_v3: 31 0.69  
AOLserver/3.4.2-3.5.1: 31 0.69  
Microsoft-IIS/URLScan: 31 0.69  
Jana Server/1.45: 31 0.69  
EHTTP/1.1: 14 0.59  
GWS/2.1 Google Web Server: 39 0.57  
fnord: 39 0.57  
MiniServ/0.01: 39 0.57  
WebSENSE/1.0: 12 0.48  
Microsoft ISA Server (internal): 12 0.48  
Microsoft ISA Server (external): 12 0.48  
Oracle XML DB/Oracle9i: 11 0.42  
Cisco Pix 6.2: 11 0.42  
Cisco-HTTP: 11 0.42  
Linksys Print Server: 10 0.36  
RemotelyAnywhere: 10 0.36  
HP Jet-Direct Print Server: 34 0.35  
Netscape-Enterprise/3.5.1G: 34 0.35  
Hewlett Packard xjet: 34 0.35  
Netscape-Enterprise/3.5.1: 34 0.35  
Zeus/4\_2: 35 0.21  
Zeus/4.1: 36 0.04  
Orion/2.0x: 36 0.04  
Netscape-Enterprise/4.1: 0 0.00  
MailEnable-HTTP/5.0: 0 0.00  
Linksys Router: 0 0.00  
Ubicom/1.1 802.11b: 0 0.00  
ServletExec: 0 0.00  
Linksys BEFSR41/BEFSR11/BEFSRU31: 0 0.00  
NetPort Software 1.1: 0 0.00  
Linksys AP1: 0 0.00  
Ubicom/1.1: 0 0.00  
Snap Appliances, Inc./3.x: 0 0.00  
SunONE WebServer 6.0: 0 0.00  
NetBuilderHTTPDv0.1: 0 0.00

## 2. Fingerprinting [www.dropbox.com](http://www.dropbox.com)

```
C:\Users\Admin\Downloads\httpprint_win32_301\httpprint_301\win32>httpprint -h www.dropbox.com -s signatures.txt
httpprint v0.301 (beta) - web server fingerprinting tool
(c) 2003-2005 net-square solutions pvt. ltd. - see readme.txt
http://net-square.com/httpprint/
httpprint@net-square.com
```

```
Finger Printing on http://www.dropbox.com:80/
Finger Printing Completed on http://www.dropbox.com:80/
```

---

Host: www.dropbox.com

Derived Signature:

envoy

811C9DC5E4CE6C0F811C9DC5811C9DC5811C9DC559D7F728811C9DC5811C9DC5  
0D7645B5811C9DC5811C9DC5811C9DC5811C9DC5811C9DC5811C9DC5811C9DC5  
E2CE6923E2CE6923E2CE6923811C9DC5E4CE6C0F811C9DC5E4CE6C0F811C9DC5  
E4CE6C0FE4CE6C0F811C9DC5E4CE6C0FE4CE6C0F68D17AADE4CE6C0FE2CE6923  
E4CE6C0FE4CE6C0F811C9DC568D17AADE4CE6C0F

Banner Reported: envoy

Banner Deduced: HP-ChaiServer/3.0, fnord

Score: 21

Confidence: 12.65

Scores:

HP-ChaiServer/3.0: 21 12.65  
fnord: 21 12.65  
squid/2.5.STABLE5: 18 7.31  
Microsoft-IIS/6.0: 17 5.94  
Apache/1.3.26: 17 5.94  
AkamaiGHost: 17 5.94  
Netscape-Enterprise/3.6: 17 5.94  
Microsoft-IIS/5.0 ASP.NET: 17 5.94  
Microsoft-IIS/4.0: 17 5.94  
Microsoft-IIS/5.0: 17 5.94  
Microsoft-IIS/5.1: 17 5.94  
Oracle XML DB/Oracle9i: 16 4.74  
Agranat-EmWeb: 16 4.74  
Apache/1.3.27: 16 4.74  
Lotus-Domino/6.x: 16 4.74  
cisco-IOS: 16 4.74  
Apache/1.3.[1-3]: 15 3.70  
Apache/1.3.[4-24]: 15 3.70  
Netscape-Enterprise/3.5.1G: 15 3.70  
Apache/1.2.6: 15 3.70  
Apache/2.0.x: 15 3.70  
NetWare-Enterprise-Web-Server/5.1: 15 3.70  
Apache-Tomcat/4.1.29: 15 3.70  
thttpd: 15 3.70  
RomPager/4.07 UPnP/1.0: 15 3.70  
Ipswitch-IMail/8.12: 15 3.70  
MiniServ/0.01 Webmin: 13 2.09  
MiniServ/0.01: 13 2.09  
WebSENSE/1.0: 12 1.49  
Microsoft ISA Server (internal): 12 1.49  
Belkin Wireless router: 12 1.49  
Netscape-Enterprise/3.6 SP2: 12 1.49  
Boa/0.94.11: 12 1.49  
SMC Wireless Router 7004VWBR: 12 1.49  
3Com/v1.0: 12 1.49  
Microsoft-IIS/5.0 Virtual Host: 12 1.49  
WebSitePro/2.3.18: 12 1.49  
MikroTik RouterOS: 12 1.49  
Com21 Cable Modem: 12 1.49

Microsoft-IIS/URLScan: 12 1.49  
Microsoft ISA Server (external): 12 1.49  
Cisco-HTTP: 11 1.01  
Cisco Pix 6.2: 11 1.01  
JC-HTTPD/1.14.18: 11 1.01  
Linksys AP2: 10 0.63  
Orion/2.0x: 10 0.63  
Linksys with Talisman firmware: 10 0.63  
TUX/2.0 (Linux): 10 0.63  
Zeus/4\_2: 10 0.63  
AssureLogic/2.0: 10 0.63  
Oracle Servlet Engine: 10 0.63  
Netscape-Enterprise/4.1: 10 0.63  
Domino-Go-Webserver/4.6.2.8: 5 0.10  
Lotus-Domino/5.x: 5 0.10  
Netscape-Enterprise/4.1: 5 0.10  
Jetty/4.2.2: 5 0.10  
Netscape-Enterprise/6.0: 5 0.10  
SunONE WebServer 6.0: 5 0.10  
Resin/3.0.8: 5 0.10  
Jetty (unverified): 5 0.10  
CompaqHTTPServer-SSL/4.2: 0 0.00  
CompaqHTTPServer/4.2: 0 0.00  
CompaqHTTPServer/1.0: 0 0.00  
Zope/2.6.0 ZServer/1.1b1: 0 0.00  
Linksys Print Server: 0 0.00  
WebLogic Server 8.x: 0 0.00  
TightVNC: 0 0.00  
NetBuilderHTTPDv0.1: 0 0.00  
Snap Appliances, Inc./3.x: 0 0.00  
EHTTP/1.1: 0 0.00  
Tomcat Web Server/3.2.3: 0 0.00  
Allied Telesyn Ethernet switch: 0 0.00  
Lexmark Optra Printer: 0 0.00  
Intel NetportExpressPro/1.0: 0 0.00  
EMWHTTPD/1.0: 0 0.00  
BaseHTTP/0.3 Python/2p3.3 edna/0.4: 0 0.00  
Linksys BEFSR41/BEFSR11/BEFSRU31: 0 0.00  
Linksys Router: 0 0.00  
Linksys AP1: 0 0.00  
JRun Web Server: 0 0.00



Hewlett Packard xjet: 0 0.00  
NetPort Software 1.1: 0 0.00  
Ubicom/1.1: 0 0.00  
HP Jet-Direct Print Server: 0 0.00  
RemotelyAnywhere: 0 0.00  
Xerver\_v3: 0 0.00  
Adaptec ASM 1.1: 0 0.00  
Netgear MR814v2 - IP\_SHARER WEB 1.0: 0 0.00  
Jana Server/1.45: 0 0.00  
RealVNC/4.0: 0 0.00  
MailEnable-HTTP/5.0: 0 0.00  
AOLserver/3.5.6: 0 0.00  
IDS-Server/3.2.2: 0 0.00  
AOLserver/3.4.2-3.5.1: 0 0.00  
Stronghold/2.4.2-Apache/1.3.x: 0 0.00  
Stronghold/4.0-Apache/1.3.x: 0 0.00  
Tcl-Webserver/3.4.2: 0 0.00  
Zeus/4.1: 0 0.00  
Ubicom/1.1 802.11b: 0 0.00  
WebLogic XMLX Module 8.1: 0 0.00  
Surgemail webmail (DManager): 0 0.00  
VisualRoute 2005 Server Edition: 0 0.00  
Linksys WRT54G: 0 0.00  
Zeus/4.0: 0 0.00  
dwhttpd (Sun Answerbook): 0 0.00  
GWS/2.1 Google Web Server: 0 0.00  
Netscape-Enterprise/3.5.1: 0 0.00  
ServletExec: 0 0.00  
WebLogic Server 8.1: 0 0.00  
Tanberg 880 video conf: 0 0.00



