

MONTHLY SECURITY REPORT

PREPARED FOR: METROBANK

NOVEMBER 2012

ABOUT THIS REPORT

The purpose of this document is to report on the “state” of security for your organization. It must be noted that GLESEC bases its information analysis on the systems under contract. The information generated by these systems is then aggregated, correlated and analyzed. The more complete the set of systems under contract the more accurate and complete the results will be. The report is organized to provide an executive summary with recommendations (as necessary or applicable) followed by more detailed information.



Index

| | |
|---|----|
| Index..... | 2 |
| 1. About this report..... | 3 |
| 2. Confidentiality..... | 3 |
| 3. Executive Summary..... | 4 |
| 4. Recommendations..... | 5 |
| 5. Scope of this Report..... | 6 |
| 6. Detailed Security Report..... | 7 |
| 7. Detailed Security Operations Systems Report..... | 25 |
| 8. Appendix 1 - Top Scanners (Source IP Addressed) WHOIS Information..... | 28 |



1. About this report

We at GLESEC believe information security is a holistic and dynamic process. This process requires on-going research and follow up. Holistic since no single “device” can provide the security necessary for an organization. Technology alone cannot provide the security necessary, but people that understand the operations and information generated by the security devices are a key to proper security. The process is dynamic since due to the nature of Internet security given the constant discovery of new security vulnerabilities and exploits, the proliferation of hacking tools that make it easier for script-kiddies with minimal knowledge to cause damage. The increase of malware, phishing, organized crime, and hacktivism is the very cause of this of information security exposure phenomena.

2. Confidentiality

GLESEC considers the confidentiality of client’s information as a trade-secret. The information in this context is classified as:

- a) Client name and contact information
- b) System architecture, configuration, access methods and access control
- c) Security content

All the above information is kept secure to the extent in which GLESEC secures its own confidential information.



3. Executive Summary

This report corresponds to the period from NOVEMBER 1, 2012 to NOVEMBER 30, 2012

Based on the information gathered from the DefensePro during this period 14,878 attacks on METROBANK, 34 of which were considered critical were all stopped by the Radware DefensePro 508.

GLESEC will provide a section which highlights trend analysis in future reports. GLESEC feels confident that the additional analysis can provide an increased value and insight into the organization's defense strategy and/or exposure over time.

GLESEC observed a large number of Brute Force and Scanning attempts. The Scanning attempts were highly concentrated with origins in Asia, specifically from China. Intrusion Rules, Anti Scanning, Signature and Cracking Protection assisted in preventing attacks directed at server and network level. GLESEC discovered attacks directed at well-known port numbers: 80 (http), 445 (microsoft-ds), 443 (https), 1433 (microsoft-sql-server), 23 (telnet), 3306 (mysql), 22 (ssh), 5060 (sip), 3389 (rdp/ms wbt server), 25 (smtp), 5900 (vnc), 8080 (http-alt), 53 (dns), 139 (netbios session service) in order of frequency.

Flood attacks such as HTTP Page Flood, Network Flood utilizing IPv4 UDP attacks were observed this period. Rate Limiting, Behavioral DoS, DoS Protection and Signature Protection assisted in mitigating these attack vectors.

GLESEC observed attacks and scanning on port 443 (https) which allow for encrypted attacks to enter the organization and affect the application layer.

Some Packet Anomalies are being observed, triggering the device to block anomalous traffic. This is caused by attacks or evasion tactics directed at the firewall in order to bypass its function and scan the internal network or in order to collapse the underlying network infrastructure, this can also be caused by applications that do not adhere to RFC standards.



4. Recommendations

GLESEC recommends for METROBANK to consider adding SSL scrubbing/offloading to the protection strategy which allows for SSL sessions to be opened, analyzed, and dropped if considered malicious in nature.

GLESEC also recommends METROBANK utilize the **Twenty Critical Security Controls for Effective Cyber Defense** that were formulated as a joint effort from the NSA, US Cert, DoD JTF-GNO, the Department of Energy Nuclear Laboratories, Department of State, DoD Cyber Crime Center plus the top commercial forensics experts and pen testers that serve the banking and critical infrastructure communities. These are readily available from SANS and GLESEC has included the links to the information below:

- [Critical Control 1: Inventory of Authorized and Unauthorized Devices](#)
- [Critical Control 2: Inventory of Authorized and Unauthorized Software](#)
- [Critical Control 3: Secure Configurations for Hardware and Software on Laptops, Workstations, and Servers](#)
- [Critical Control 4: Continuous Vulnerability Assessment and Remediation](#)
- [Critical Control 5: Malware Defenses](#)
- [Critical Control 6: Application Software Security](#)
- [Critical Control 7: Wireless Device Control](#)
- [Critical Control 8: Data Recovery Capability](#)
- [Critical Control 9: Security Skills Assessment and Appropriate Training to Fill Gaps](#)
- [Critical Control 10: Secure Configurations for Network Devices such as Firewalls, Routers, and Switches](#)
- [Critical Control 11: Limitation and Control of Network Ports, Protocols, and Services](#)
- [Critical Control 12: Controlled Use of Administrative Privileges](#)
- [Critical Control 13: Boundary Defense](#)
- [Critical Control 14: Maintenance, Monitoring, and Analysis of Security Audit Logs](#)
- [Critical Control 15: Controlled Access Based on the Need to Know](#)
- [Critical Control 16: Account Monitoring and Control](#)



- [Critical Control 17: Data Loss Prevention](#)
- [Critical Control 18: Incident Response Capability](#)
- [Critical Control 19: Secure Network Engineering](#)
- [Critical Control 20: Penetration Tests and Red Team Exercises](#)

GLESEC offers many services and products that would assist in securing METROBANK to a greater degree. Some of our services are included in the section that follows. If interested in additional information about our offerings please contact info@glesec.com

5. Scope of this Report

The systems/services under this contract include:

| Risk and Application | Countermeasures | GLESEC Services | Contracted |
|--|---|-----------------|------------|
| External layer security | Firewall | MSS-FW | No |
| External Layer Security | Intrusion Prevention, DoS, NBA, Zero Day | MSS-APS | Yes |
| Application Layer Security | Application Firewall | MSS-APS | Yes |
| Vulnerability Management | Vulnerability Management | MSS-VM | No |
| Internal Layered Security | End-Point Security | MSS-EPS | No |
| Centralized Alerting, Reporting and Intelligence | SIEM | MSS-SIEM | No |
| External and Internal Layer – Basic Infrastructure | DNS and IPAM | MSS-DNS | No |
| High Availability | Load Balancers – Links | SSP | No |
| High Availability | Load Balancers - Servers | SSP | No |
| Data Leakage Mobile Devices | Data Leakage Mobile Devices | SSP | No |

GLESEC Services:

MSS: Managed Security Service (full outsourcing)

SSP: Security Support Program (systems management and support)

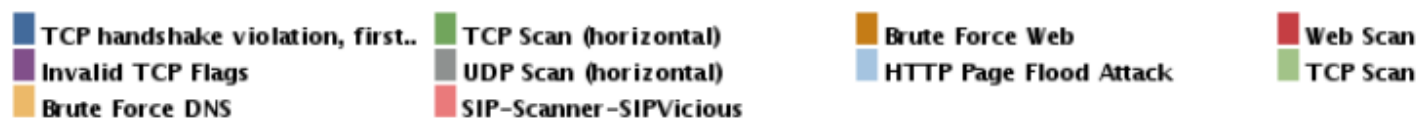
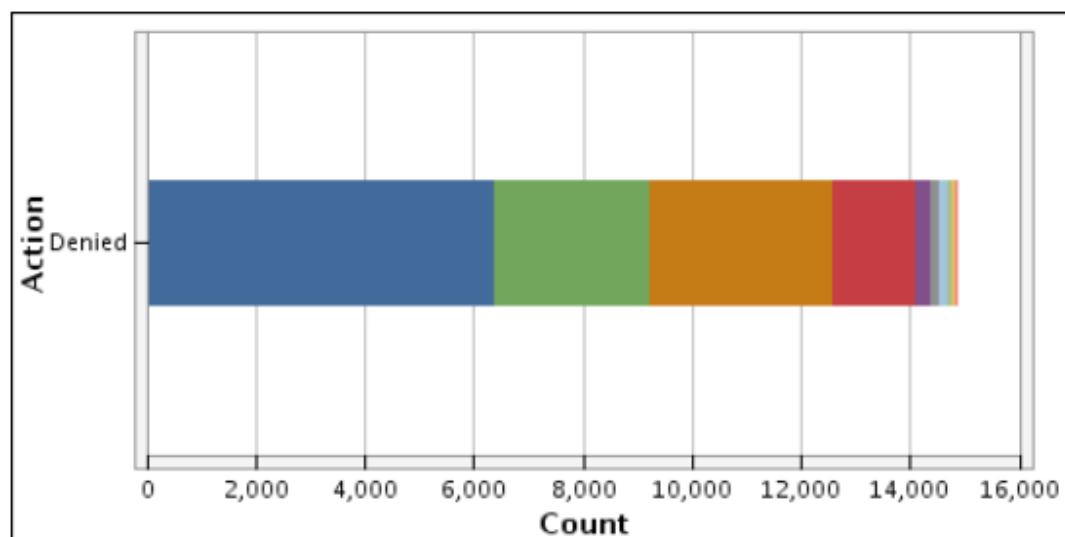
METROBANK Systems: Radware DefensePro 508

METROBANK Systems: Radware AppWall

6. Detailed Security Report

Graph: Attacks Allowed and Denied

This report provides the count of total allowed and denied attacks along with network security rule.

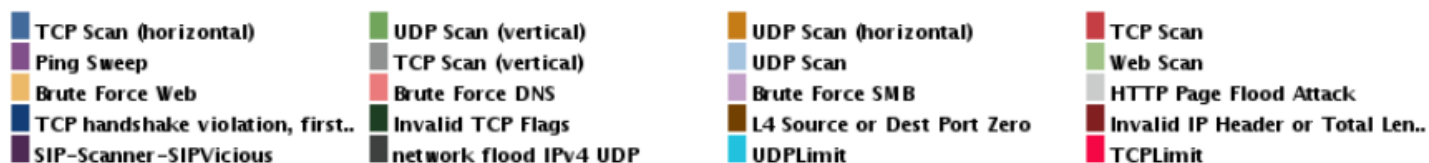
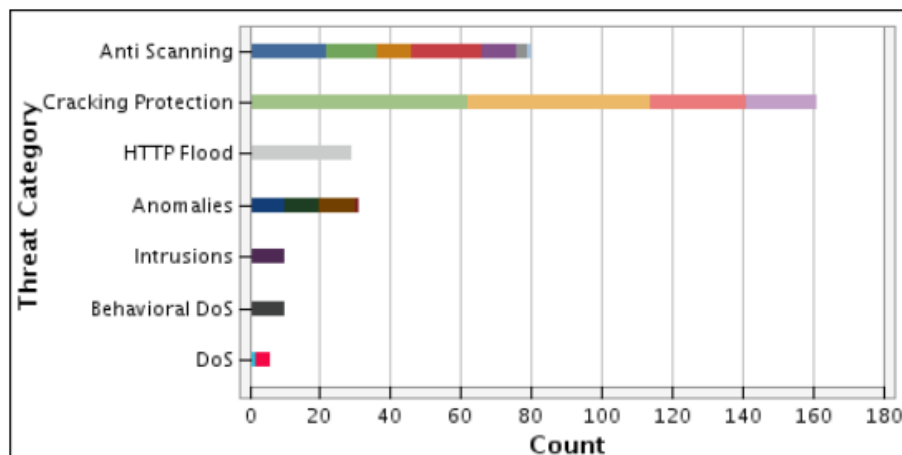


[illegible]

| | | | |
|-------|----------|-------|-------|
| 80 | 445 | 0 | 443 |
| 1433 | Multiple | 23 | 3306 |
| 22 | 5060 | 3389 | 25 |
| 5900 | 1853 | 2958 | 3517 |
| 3100 | 1349 | 1307 | 3963 |
| 3272 | 3210 | 8080 | 2557 |
| 3095 | 4838 | 2914 | 2390 |
| 3998 | 3186 | 1033 | 53 |
| 3939 | 1731 | 42475 | 30740 |
| 32673 | 58965 | 42616 | 39607 |
| 20875 | 15792 | 20791 | 1618 |
| 2338 | 12392 | 12253 | 2688 |
| 3682 | 19041 | 8559 | 11927 |
| 139 | 34319 | 35232 | 37340 |
| 19677 | 25543 | 14475 | 20139 |
| 19999 | 25300 | 4540 | 2152 |

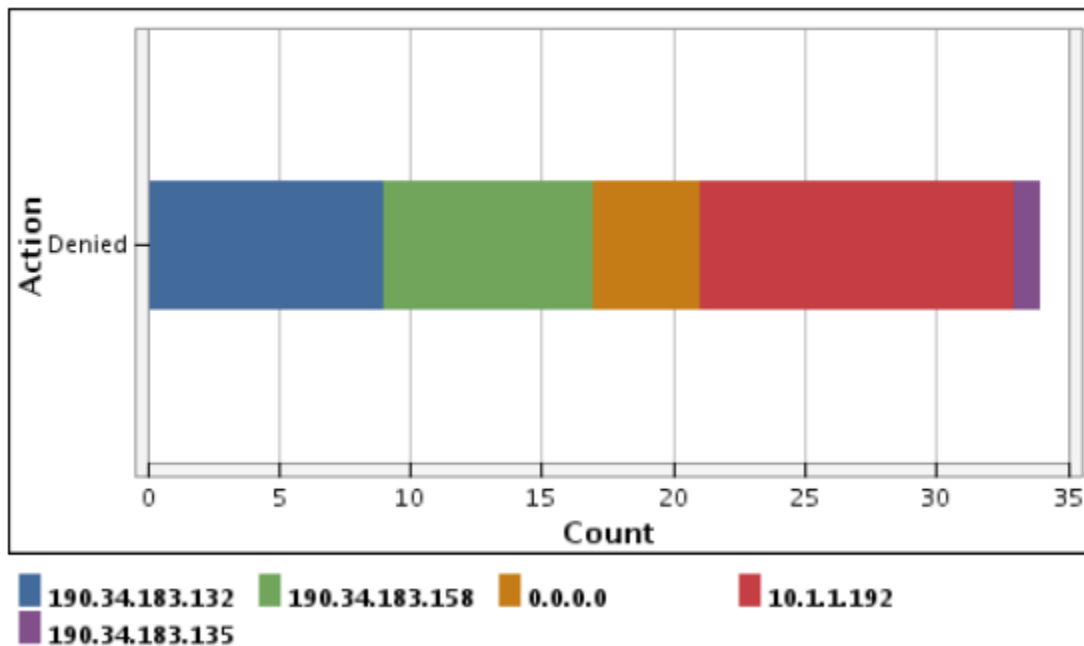
Graph: Attacks By Threat Category

This report lists the attacks per Attack Category, listing the attack name, network security rule.



Graph: Critical Attacks

This report provides Critical Attacks information, which includes the destination on which the attack was targeted, the source from where the critical attack originated, port, attack name, network security rule along with the number of times the attack was launched.

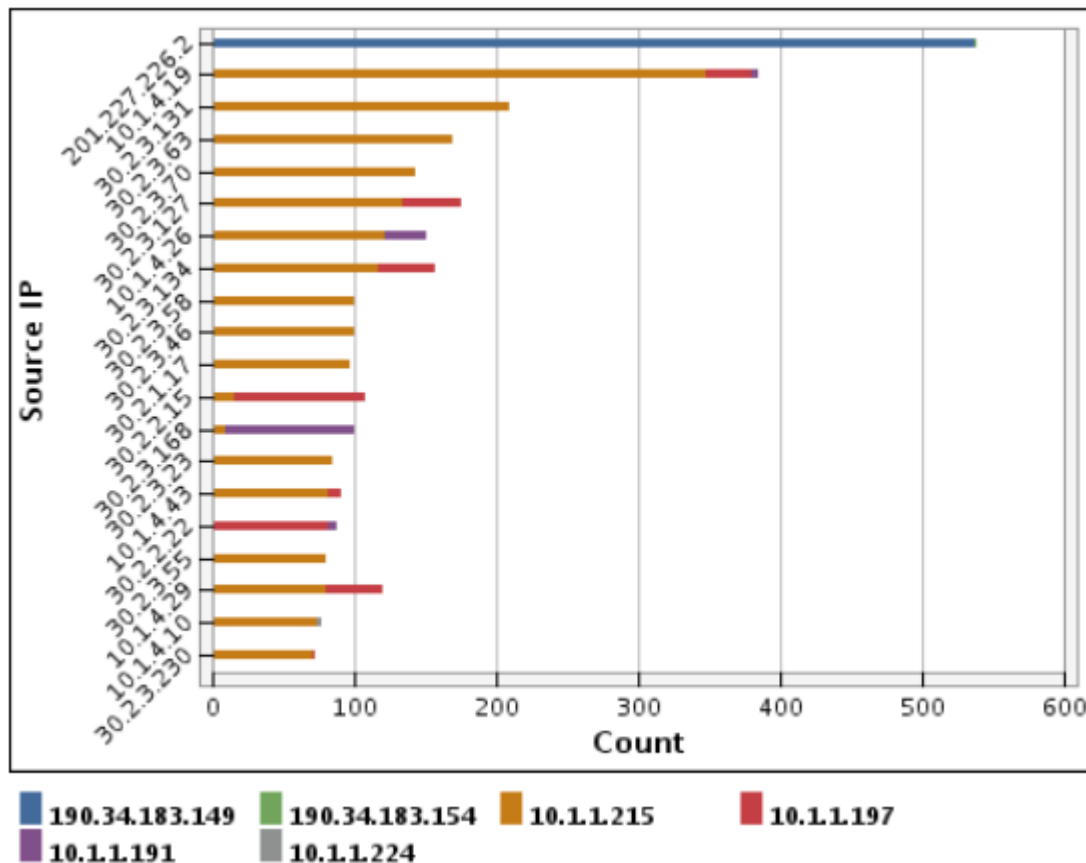


Horizontal bar chart showing the count of source IPs for Brute Force Web and Web Scan attacks. The Y-axis lists 30 source IP addresses, and the X-axis shows the count from 0 to 400. Brute Force Web attacks are represented by blue bars, and Web Scan attacks by green bars.

| Source IP | Brute Force Web | Web Scan |
|------------|-----------------|----------|
| 30.10.1.1 | 350 | 0 |
| 30.10.1.2 | 210 | 0 |
| 30.10.1.3 | 170 | 0 |
| 30.10.1.4 | 140 | 0 |
| 30.10.1.5 | 130 | 0 |
| 30.10.1.6 | 130 | 0 |
| 30.10.1.7 | 130 | 0 |
| 30.10.1.8 | 130 | 0 |
| 30.10.1.9 | 130 | 0 |
| 30.10.1.10 | 130 | 0 |
| 30.10.1.11 | 130 | 0 |
| 30.10.1.12 | 130 | 0 |
| 30.10.1.13 | 130 | 0 |
| 30.10.1.14 | 130 | 0 |
| 30.10.1.15 | 130 | 0 |
| 30.10.1.16 | 130 | 0 |
| 30.10.1.17 | 130 | 0 |
| 30.10.1.18 | 130 | 0 |
| 30.10.1.19 | 130 | 0 |
| 30.10.1.20 | 130 | 0 |
| 30.10.1.21 | 130 | 0 |
| 30.10.1.22 | 130 | 0 |
| 30.10.1.23 | 130 | 0 |
| 30.10.1.24 | 130 | 0 |
| 30.10.1.25 | 130 | 0 |
| 30.10.1.26 | 130 | 0 |
| 30.10.1.27 | 130 | 0 |
| 30.10.1.28 | 130 | 0 |
| 30.10.1.29 | 130 | 0 |
| 30.10.1.30 | 130 | 0 |

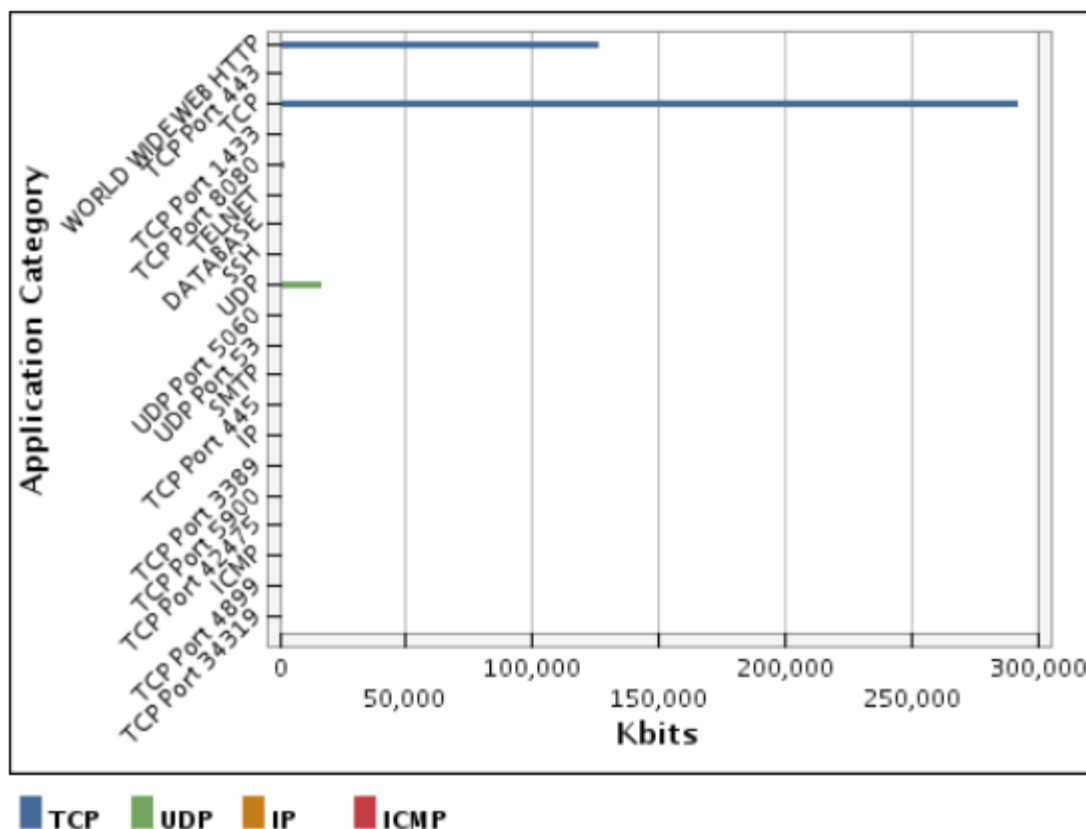
Graph: Top Attack Sources Blocked

This report provides information on the top sources that were blocked on the DP IPS and from where the attacks had originated. This report also shows the destination on which the attack was targeted, its destination port along with the network security rule.



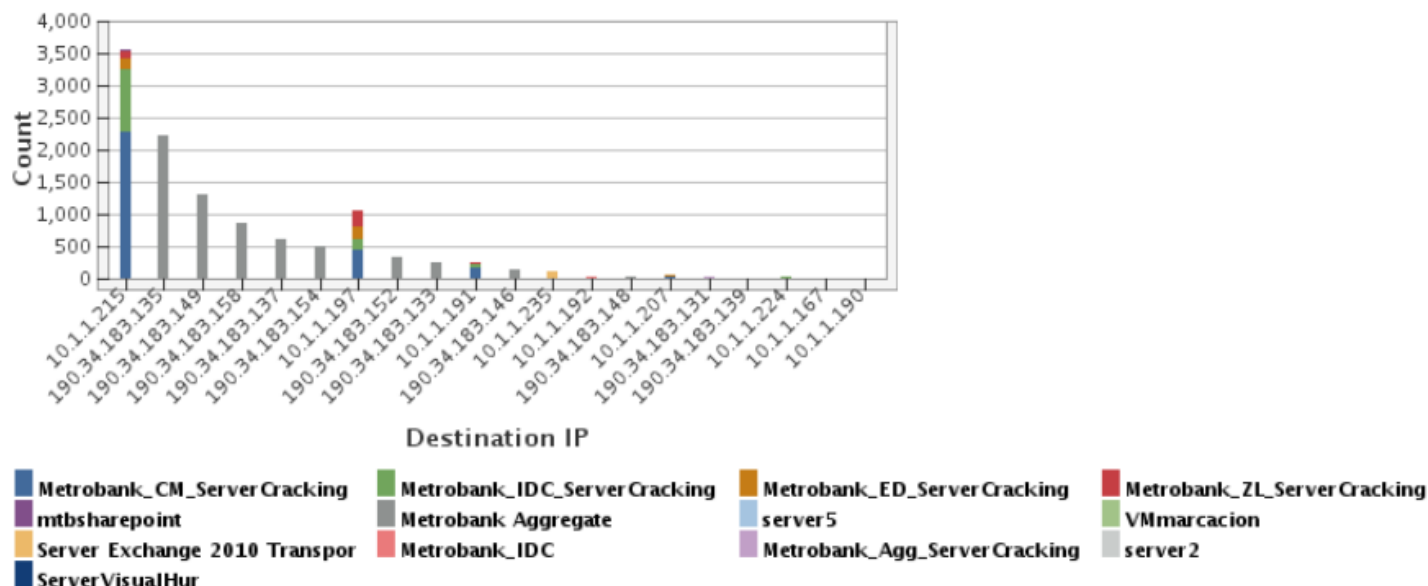
Graph: Top Attacked Applications

This report provides information on the most popular protocol families (or application categories) like web (http, https), e-mail (smtp, pop3)... and their respective child protocols. It also shows the port used by the protocol, the network security rule and the details of number of hits for each protocol family (or application category).



Graph: Top Attacked Destinations

This report provides information on the system IPs, which were the destination of the attacks for most number of times along with the network security rule.

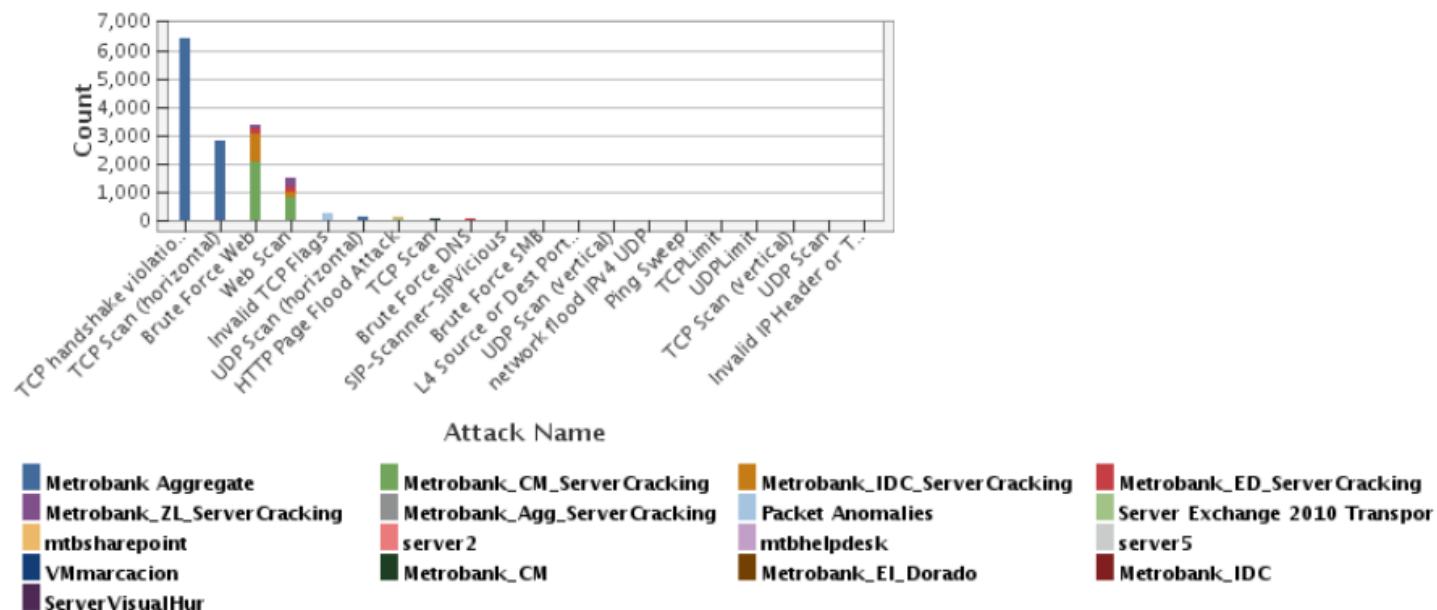




Your Global e-security Partner

Graph: Top Attacks

This report provides information on the total number of top attacks attempted, the attack name, network security rule and the total number of attacks that triggered with this combination.

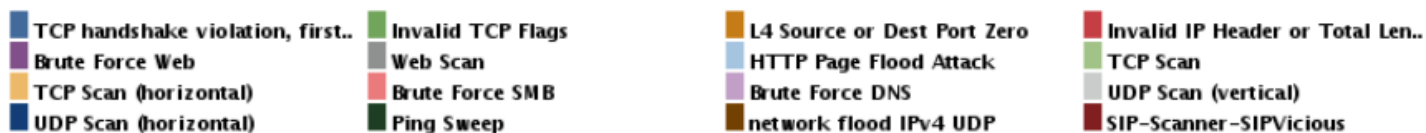
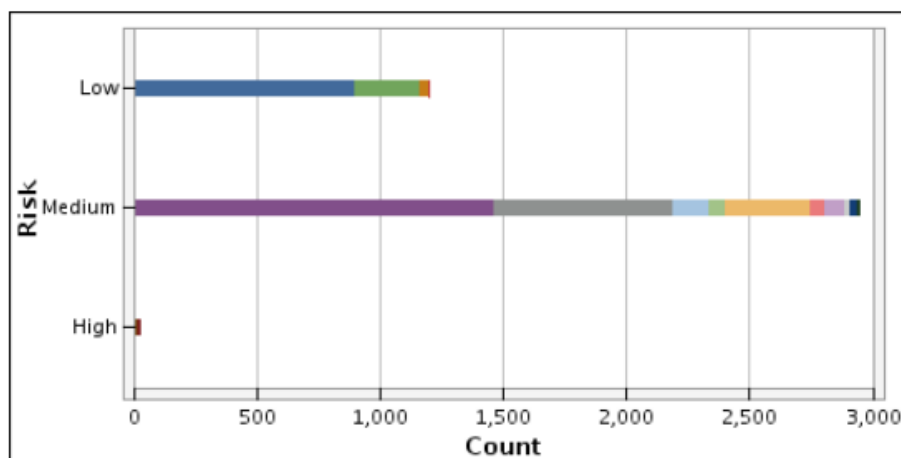




Your Global e-security Partner

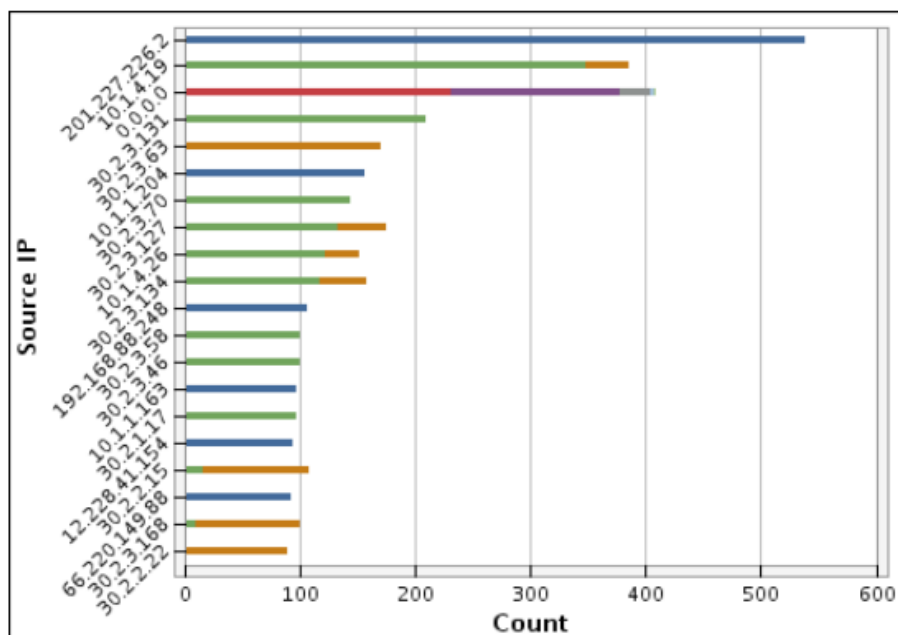
Graph: Top Attacks Blocked By Risk

This report provides information on the attacks, which were blocked on DP IPS based on their risk. In this report the risk of the attack, attack name, source, destination, the destination port, network security rules are shown.



Graph: Top Attacks by Source

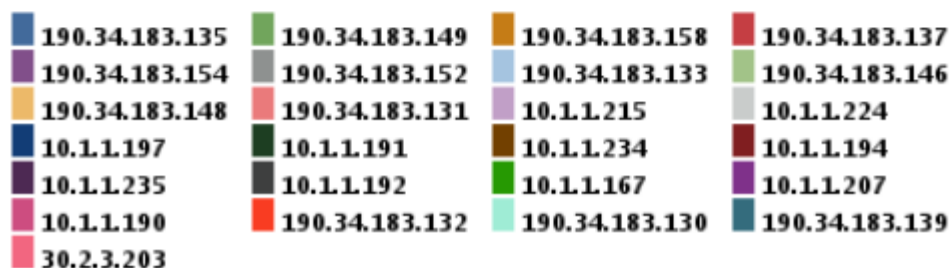
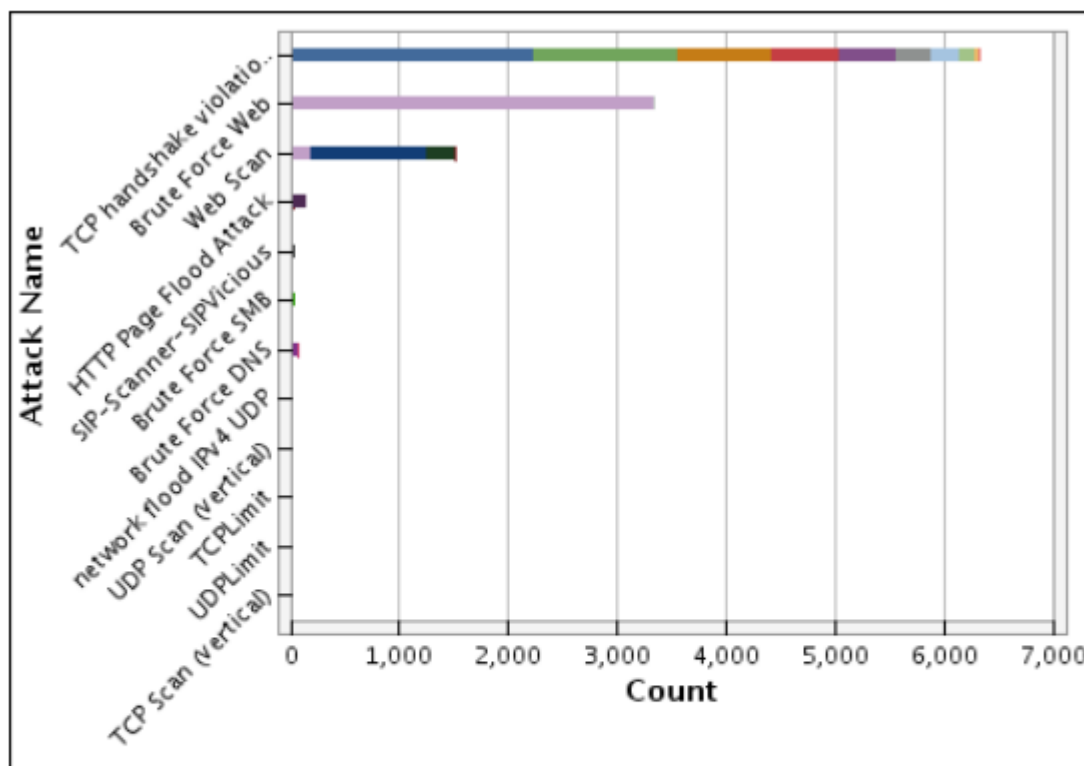
This report provides information on the top attacks attempted, categorized by attacks for each source that was the source of attacks along with the attack name, network security rule and the number of attacks that triggered with this combination.



TCP handshake violation, first.. Brute Force Web Web Scan Invalid TCP Flags
 HTTP Page Flood Attack L4 Source or Dest Port Zero network flood IPv4 UDP Invalid IP Header or Total Len..

Graph: Top Destinations by Attack

This report provides information on the attacks attempted for the most number of times on the destination protected system IPs along with the network security rule.

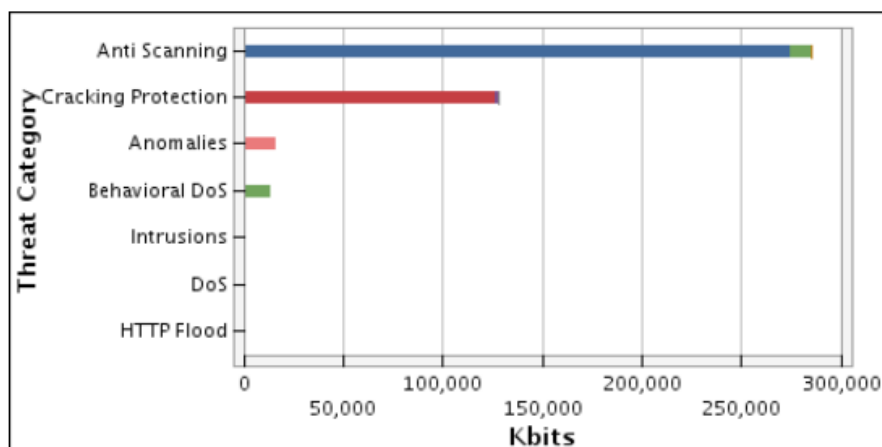




Your Global e-security Partner

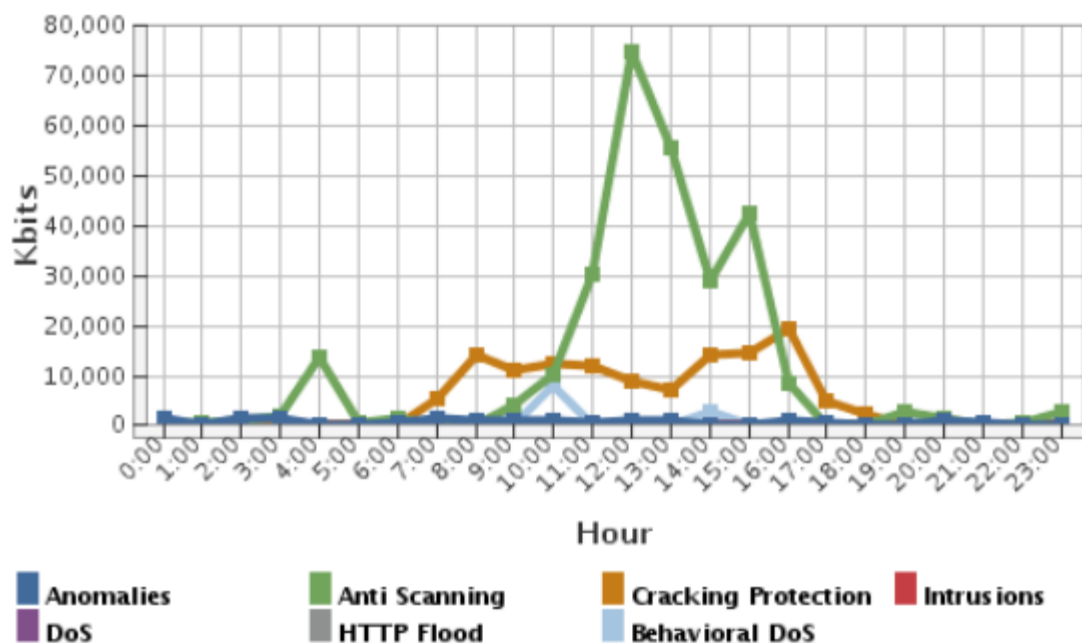
Graph: Attack Categories by Bandwidth

This report shows the attack categories based on the BW of the attacks sharing the same category including Packets and Bits (Kbits). This report also shows the network security rule for each of the attack categories.



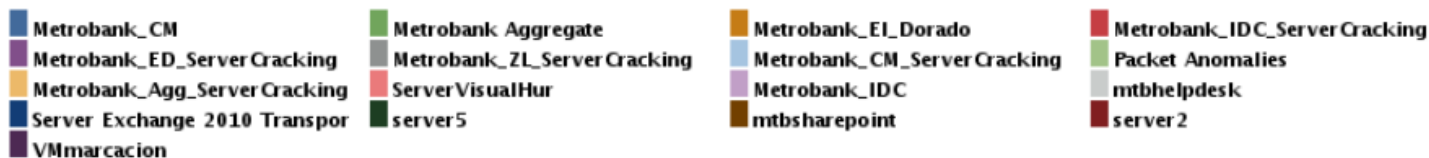
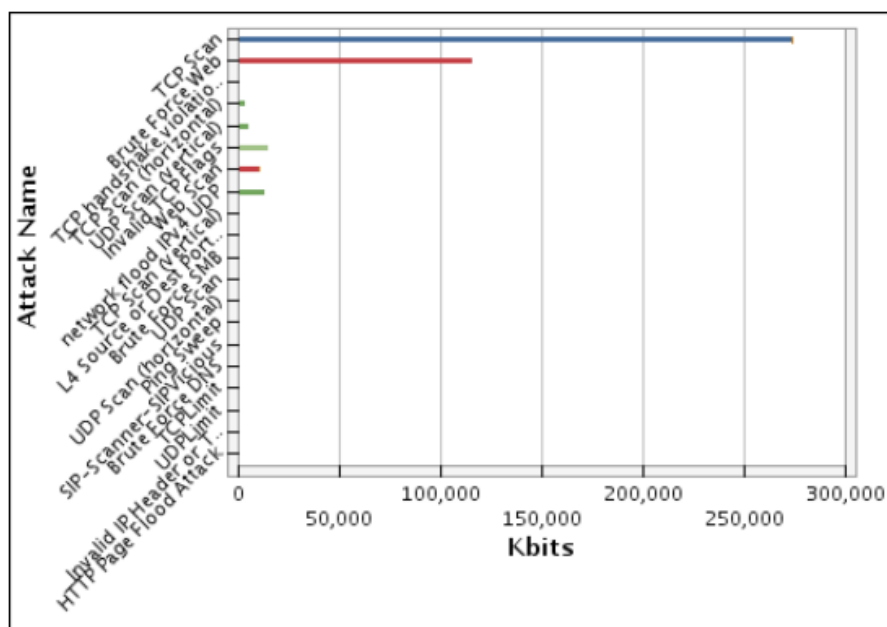
Graph: Bandwidth by Threat Category by Hour of Day

This report shows the most bandwidth (BW) consuming threat categories based on the bandwidth (BW) of the attacks sharing the same threat category including Packets and Bits (Kbits) for each hour of day. This report also shows the network security rule and threat categories.



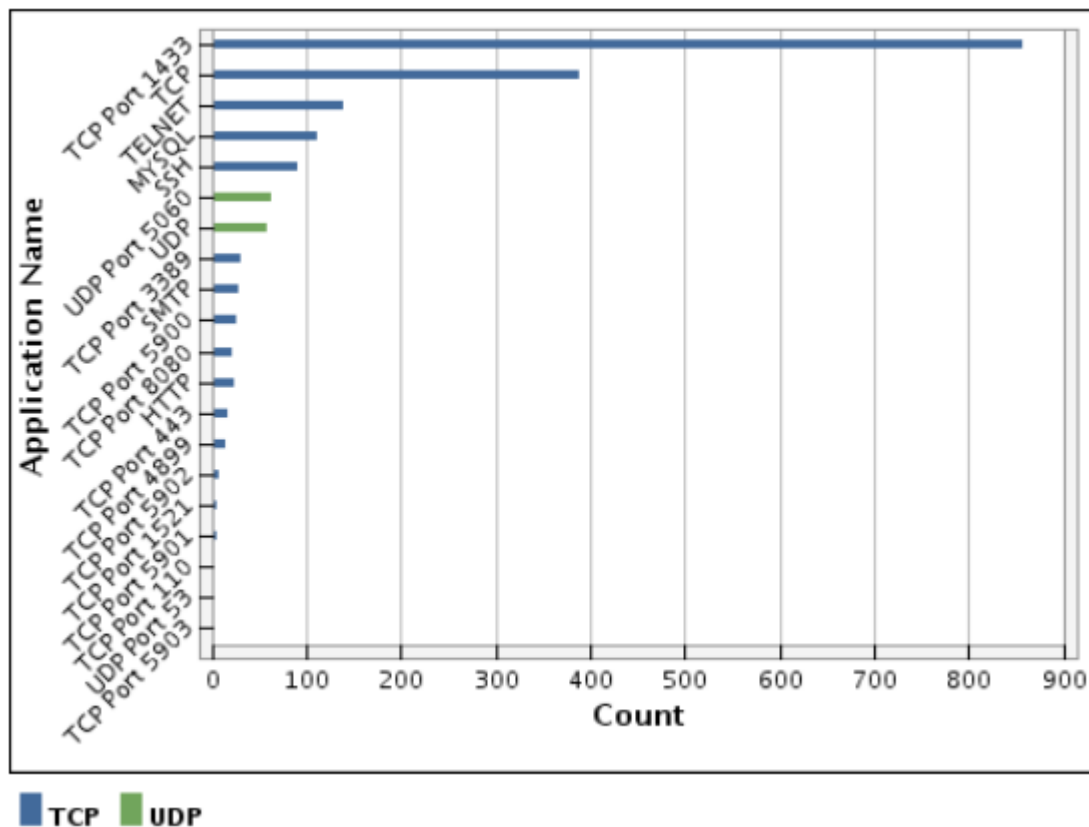
Graph: Top Attacks by Bandwidth

This report shows the most bandwidth (BW) consuming attacks based on the BW of the attack including Packets and Bits (Kbits). This report also shows the network security rule and for each attack.



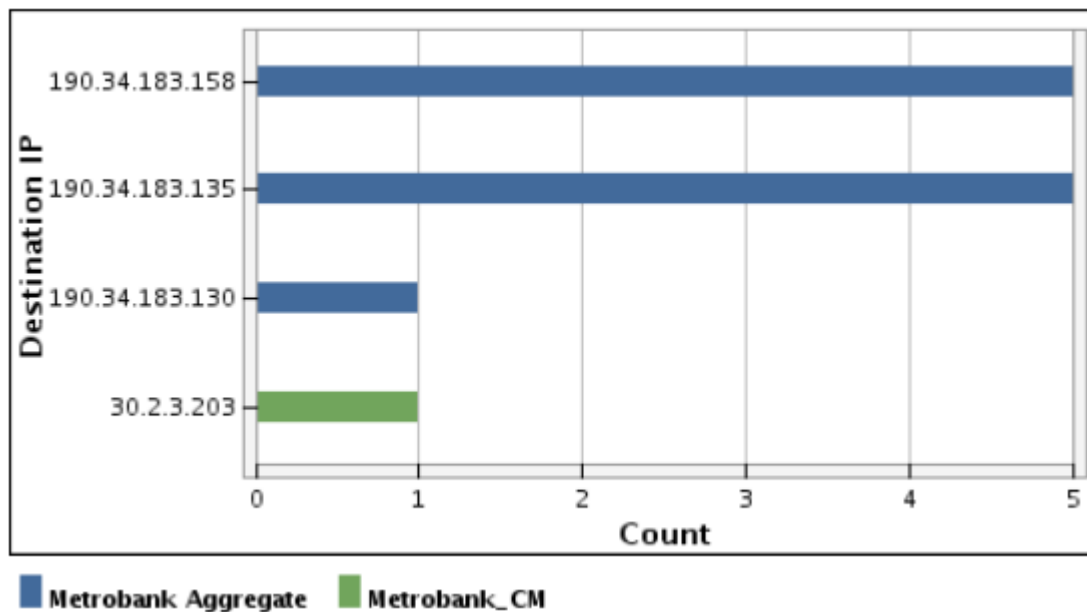
Graph: Top Probed Applications

This report shows historical view of the TOP probed L4 ports (mapped to L7 application name) that were being scanned along with the network security rule.



Graph: Top Probed IP Addresses

This report shows historical view of the TOP probed IP addresses that were being scanned along with the network security rule.



| Source IP | Count |
|-----------------|-------|
| 223.112.117.147 | 75 |
| 223.112.117.148 | 65 |
| 223.112.117.149 | 57 |
| 223.112.117.150 | 40 |
| 223.112.117.151 | 32 |
| 223.112.117.152 | 30 |
| 223.112.117.153 | 29 |
| 223.112.117.154 | 27 |
| 223.112.117.155 | 24 |
| 223.112.117.156 | 24 |
| 223.112.117.157 | 23 |
| 223.112.117.158 | 22 |
| 223.112.117.159 | 22 |
| 223.112.117.160 | 22 |
| 223.112.117.161 | 21 |
| 223.112.117.162 | 21 |
| 223.112.117.163 | 21 |
| 223.112.117.164 | 21 |
| 223.112.117.165 | 20 |
| 223.112.117.166 | 20 |
| 223.112.117.167 | 20 |
| 223.112.117.168 | 20 |
| 223.112.117.169 | 20 |
| 223.112.117.170 | 20 |
| 223.112.117.171 | 20 |
| 223.112.117.172 | 20 |
| 223.112.117.173 | 20 |
| 223.112.117.174 | 20 |
| 223.112.117.175 | 20 |
| 223.112.117.176 | 20 |
| 223.112.117.177 | 20 |
| 223.112.117.178 | 20 |
| 223.112.117.179 | 20 |
| 223.112.117.180 | 20 |
| 223.112.117.181 | 20 |
| 223.112.117.182 | 20 |
| 223.112.117.183 | 20 |
| 223.112.117.184 | 20 |
| 223.112.117.185 | 20 |
| 223.112.117.186 | 20 |

NOTE: See Appendix 1 - Top Scanners (Source IP Addressed) (WHOIS Information)



7. Detailed Security Operations Systems Report

This section of the report represents the activities performed by GLESEC's Global Operations Center. These include:

- a) Monitoring of system availability

METROBANK DefensePro Availability:

The DefensePro was considered up and available 100% of time of time during this report period.

Host State Breakdowns:

| State | Type / Reason | Time | % Total Time | % Known Time |
|--------------|--------------------|--------------|--------------|--------------|
| UP | Unscheduled | 30d 0h 0m 0s | 100.000% | 100.000% |
| | Scheduled | 0d 0h 0m 0s | 0.000% | 0.000% |
| | Total | 30d 0h 0m 0s | 100.000% | 100.000% |
| DOWN | Unscheduled | 0d 0h 0m 0s | 0.000% | 0.000% |
| | Scheduled | 0d 0h 0m 0s | 0.000% | 0.000% |
| | Total | 0d 0h 0m 0s | 0.000% | 0.000% |
| UNREACHABLE | Unscheduled | 0d 0h 0m 0s | 0.000% | 0.000% |
| | Scheduled | 0d 0h 0m 0s | 0.000% | 0.000% |
| | Total | 0d 0h 0m 0s | 0.000% | 0.000% |
| Undetermined | Nagios Not Running | 0d 0h 0m 0s | 0.000% | |
| | Insufficient Data | 0d 0h 0m 0s | 0.000% | |
| | Total | 0d 0h 0m 0s | 0.000% | |
| All | Total | 30d 0h 0m 0s | 100.000% | 100.000% |

State Breakdowns For Host Services:

| Service | % Time OK | % Time Warning | % Time Unknown | % Time Critical | % Time Undetermined |
|---------|---------------------|-----------------|-----------------|-----------------|---------------------|
| PING | 100.000% (100.000%) | 0.000% (0.000%) | 0.000% (0.000%) | 0.000% (0.000%) | 0.000% |
| Average | 100.000% (100.000%) | 0.000% (0.000%) | 0.000% (0.000%) | 0.000% (0.000%) | 0.000% |

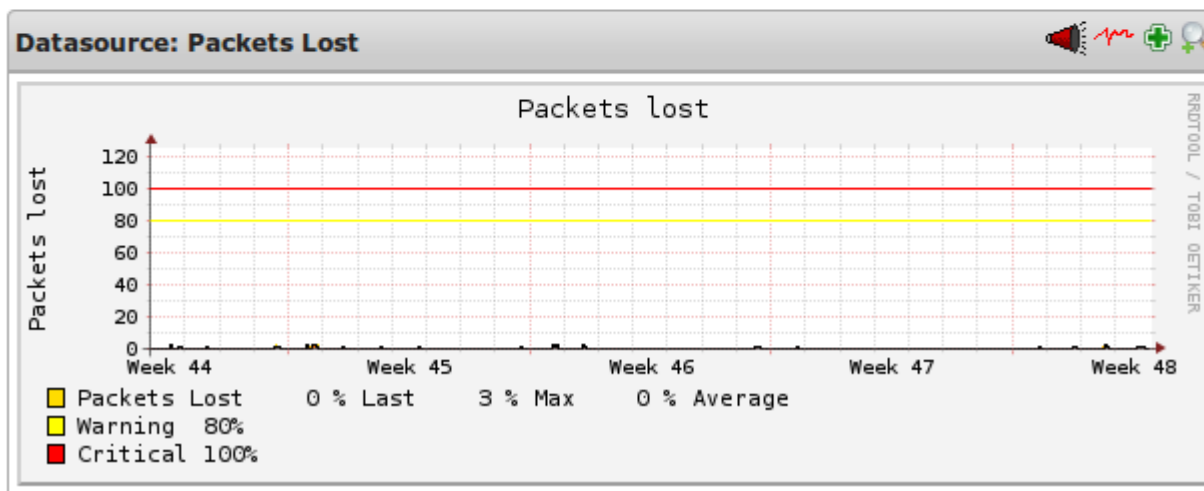
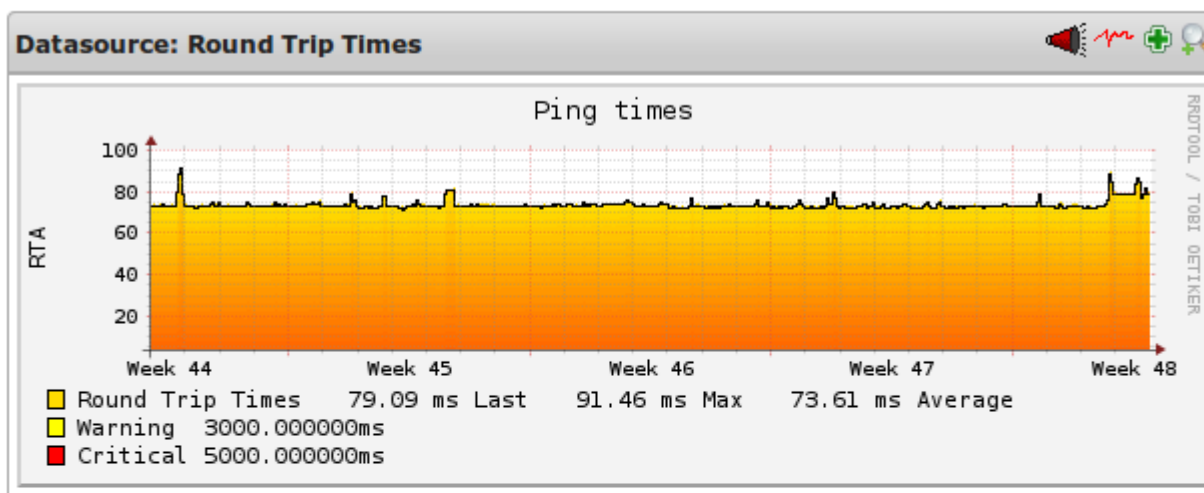
b) Monitoring system performance

METROBANK DefensePro Host Performance:

Round trip ping times averaged 73.61 ms from the GLESEC GOC to METROBANK with 0% average packet loss

Host: MetroBank DefensePro 508 **Service:** Host Perfdata

Custom time range 01.11.12 0:00 - 30.11.12 0:00

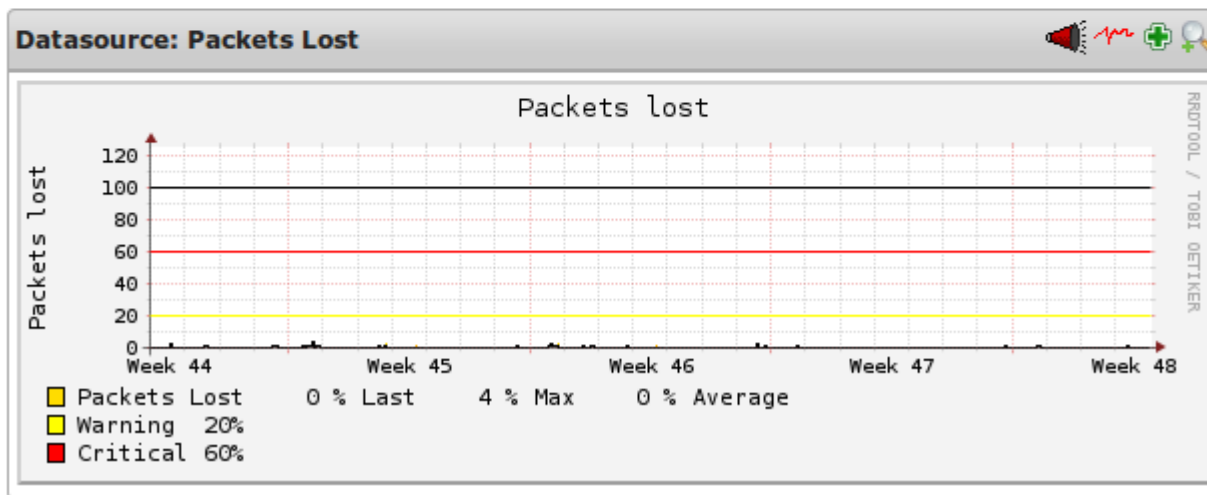
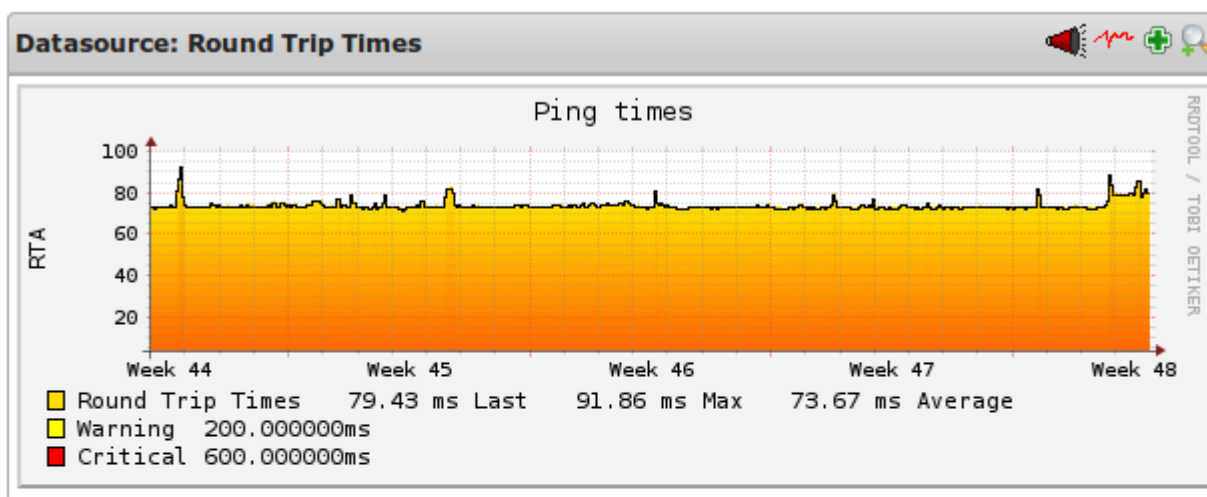


METROBANK DefensePro Ping Performance:

Round trip ping times averaged 73.67 ms from the GLESEC GOC to METROBANK with 0% average packet loss

Host: MetroBank DefensePro 508 **Service:** PING

Custom time range 01.11.12 0:00 - 30.11.12 0:00



c) Change management procedures

METROBANK Change Management: N/A

d) Incident Response procedures

METROBANK Incident Report: N/A



Your Global e-security Partner

8. Appendix 1 - Top Scanners (Source IP Addressed) WHOIS Information

This section provides additional WHOIS detail for the **Graph: Top Scanners (Source IP Addressed)**

inetnum: 101.224.0.0 - 101.231.255.255
 netname: CHINANET-SH
 descr: CHINANET SHANGHAI PROVINCE NETWORK
 descr: China Telecom
 descr: No.31,jingrong street
 descr: Beijing 100032
 country: CN
 admin-c: WWQ4-AP
 tech-c: WWQ4-AP
 status: ALLOCATED PORTABLE
 notify: ip-admin@mail.online.sh.cn
 mnt-by: APNIC-HM
 mnt-lower: MAINT-CHINANET-SH
 mnt-routes: MAINT-CHINANET-SH
 mnt-irt: IRT-CHINANET-CN
 changed: hm-changed@apnic.net 20110103
 source: APNIC
 person: Weng Wen Qian
 address: Room 2405,357 Songlin Road,Shanghai 200122
 country: CN
 phone: +86-21-68405784
 fax-no: +86-21-50623458
 e-mail: wengwq@online.sh.cn
 nic-hdl: WWQ4-AP
 mnt-by: MAINT-CHINANET-SH
 changed: ip-admin@mail.online.sh.cn 20050403
 source: APNIC

inetnum: 111.0.0.0 - 111.63.255.255
 netname: CMNET
 descr: China Mobile Communications Corporation
 descr: Mobile Communications Network Operator in China
 descr: Internet Service Provider in China
 country: CN
 admin-c: JS686-AP
 tech-c: HL1318-AP
 status: ALLOCATED PORTABLE
 mnt-by: APNIC-HM
 mnt-lower: MAINT-CN-CMCC
 mnt-routes: MAINT-CN-CMCC
 changed: hm-changed@apnic.net 20090506
 source: APNIC
 route: 111.0.0.0/10
 descr: China Mobile communications corporation
 origin: AS9808
 mnt-by: MAINT-CN-CMCC
 changed: hostmaster@chinamobile.com 20120215



Your Global e-security Partner

source: APNIC
 person: Jinxia Sun
 address: China Mobile Communications Corporation
 address: 29, Jinrong Ave., Xicheng District, Beijing, 100032
 country: CN
 phone: +86-10-66006688-1755
 fax-no: +86-10-66006012
 e-mail: sunjinxia@chinamobile.com
 nic-hdl: JS686-AP
 mnt-by: MAINT-CN-CMCC
 changed: hostmaster@chinamobile.com 20030130
 source: APNIC
 person: haijun li
 nic-hdl: HL1318-AP
 e-mail: hostmaster@chinamobile.com
 address: 29, Jinrong Ave, Xicheng district, Beijing, 100032
 phone: +86 10 66006688
 fax-no: +86 10 66006187
 country: CN
 changed: hostmaster@chinamobile.com 20110824
 mnt-by: MAINT-CN-CMCC
 source: APNIC

inetnum: 115.239.228.0 - 115.239.231.255
 netname: NINBO-LANZHONG-LTD
 country: CN
 descr: Ninbo Lanzhong Network Ltd
 descr:
 admin-c: TD222-AP
 tech-c: CS64-AP
 status: ASSIGNED NON-PORTABLE
 changed: auto-dbm@dcb.hz.zj.cn 20100105
 mnt-by: MAINT-CN-CHINANET-ZJ-SX
 source: APNIC
 role: CHINANET-ZJ Shaoxing
 address: No.9 Sima Road, Shaoxing, Zhejiang. 312000
 country: CN
 phone: +86-575-5136199
 fax-no: +86-575-5114449
 e-mail: anti-spam@mail.sxptt.zj.cn
 admin-c: CH109-AP
 tech-c: CH109-AP
 nic-hdl: CS64-AP
 mnt-by: MAINT-CHINANET-ZJ
 changed: master@dcb.hz.zj.cn 20031204
 source: APNIC
 changed: hm-changed@apnic.net 20111114
 person: Taichun Du
 nic-hdl: TD222-AP
 e-mail: anti-spam@mail.sxptt.zj.cn
 address: Shaoxing, Zhejiang. Postcode: 312000



Your Global e-security Partner

phone: +86-574-88311333
 country: CN
 changed: auto-dbm@dcdb.hz.zj.cn 20100105
 mnt-by: MAINT-CN-CHINANET-ZJ-SX
 source: APNIC

inetnum: 117.40.0.0 - 117.43.255.255

netname: CHINANET-JX
 descr: CHINANET Jiangxi province network
 descr: China Telecom
 descr: No.31,jingrong street
 descr: Beijing 100032
 country: CN
 admin-c: CH93-AP
 tech-c: JN113-AP
 status: ALLOCATED PORTABLE
 mnt-by: APNIC-HM
 mnt-lower: MAINT-IP-WWF
 mnt-routes: MAINT-IP-WWF
 changed: hm-changed@apnic.net 20070912
 source: APNIC
 role: JXDCCB NET
 address: DATA COMMUNICATION BUREAU
 address: NO.39,YANJIANG NORTH ROAD,NANCHANG,JIANGXI
 country: CN
 phone: +86 791 6730586
 fax-no: +86 791 6707755
 e-mail: hostmaster@public1.nc.jx.cn
 admin-c: XY1-AP
 tech-c: WZ1-CN
 tech-c: WW49-AP
 nic-hdl: JN113-AP
 notify: hostmaster@public1.nc.jx.cn
 mnt-by: MAINT-IP-WWF
 changed: hm-changed@apnic.net 20020812
 source: APNIC
 changed: hm-changed@apnic.net 20111114
 person: Chinanet Hostmaster
 nic-hdl: CH93-AP
 e-mail: anti-spam@ns.chinanet.cn.net
 address: No.31 ,jingrong street,beijing
 address: 100032
 phone: +86-10-58501724
 fax-no: +86-10-58501724
 country: CN
 changed: dingsy@cndata.com 20070416
 mnt-by: MAINT-CHINANET
 source: APNIC

inetnum: 117.40.0.0 - 117.43.255.255

netname: CHINANET-JX



Your Global e-security Partner

descr: CHINANET Jiangxi province network
 descr: China Telecom
 descr: No.31,jingrong street
 descr: Beijing 100032
 country: CN
 admin-c: CH93-AP
 tech-c: JN113-AP
 status: ALLOCATED PORTABLE
 mnt-by: APNIC-HM
 mnt-lower: MAINT-IP-WWF
 mnt-routes: MAINT-IP-WWF
 changed: hm-changed@apnic.net 20070912
 source: APNIC
 role: JXDCB NET
 address: DATA COMMUNICATION BUREAY
 address: NO.39,YANJIANG NORTH ROAD,NANCHANG,JIANGXI
 country: CN
 phone: +86 791 6730586
 fax-no: +86 791 6707755
 e-mail: hostmaster@public1.nc.jx.cn
 admin-c: XY1-AP
 tech-c: WZ1-CN
 tech-c: WW49-AP
 nic-hdl: JN113-AP
 notify: hostmaster@public1.nc.jx.cn
 mnt-by: MAINT-IP-WWF
 changed: hm-changed@apnic.net 20020812
 source: APNIC
 changed: hm-changed@apnic.net 20111114
 person: Chinanet Hostmaster
 nic-hdl: CH93-AP
 e-mail: anti-spam@ns.chinanet.cn.net
 address: No.31 ,jingrong street,beijing
 address: 100032
 phone: +86-10-58501724
 fax-no: +86-10-58501724
 country: CN
 changed: dingsy@cndata.com 20070416
 mnt-by: MAINT-CHINANET
 source: APNIC

inetnum: 117.40.0.0 - 117.43.255.255
 netname: CHINANET-JX
 descr: CHINANET Jiangxi province network
 descr: China Telecom
 descr: No.31,jingrong street
 descr: Beijing 100032
 country: CN
 admin-c: CH93-AP
 tech-c: JN113-AP
 status: ALLOCATED PORTABLE



Your Global e-security Partner

mnt-by: APNIC-HM
 mnt-lower: MAINT-IP-WWF
 mnt-routes: MAINT-IP-WWF
 changed: hm-changed@apnic.net 20070912
 source: APNIC
 role: JXDCB NET
 address: DATA COMMUNICATION BUREAU
 address: NO.39,YANJIANG NORTH ROAD,NANCHANG,JIANGXI
 country: CN
 phone: +86 791 6730586
 fax-no: +86 791 6707755
 e-mail: hostmaster@public1.nc.jx.cn
 admin-c: XY1-AP
 tech-c: WZ1-CN
 tech-c: WW49-AP
 nic-hdl: JN113-AP
 notify: hostmaster@public1.nc.jx.cn
 mnt-by: MAINT-IP-WWF
 changed: hm-changed@apnic.net 20020812
 source: APNIC
 changed: hm-changed@apnic.net 20111114
 person: Chinanet Hostmaster
 nic-hdl: CH93-AP
 e-mail: anti-spam@ns.chinanet.cn.net
 address: No.31 ,jingrong street,beijing
 address: 100032
 phone: +86-10-58501724
 fax-no: +86-10-58501724
 country: CN
 changed: dingsy@cndata.com 20070416
 mnt-by: MAINT-CHINANET
 source: APNIC

inetnum: 117.40.0.0 - 117.43.255.255
 netname: CHINANET-JX
 descr: CHINANET Jiangxi province network
 descr: China Telecom
 descr: No.31,jingrong street
 descr: Beijing 100032
 country: CN
 admin-c: CH93-AP
 tech-c: JN113-AP
 status: ALLOCATED PORTABLE
 mnt-by: APNIC-HM
 mnt-lower: MAINT-IP-WWF
 mnt-routes: MAINT-IP-WWF
 changed: hm-changed@apnic.net 20070912
 source: APNIC
 role: JXDCB NET
 address: DATA COMMUNICATION BUREAU
 address: NO.39,YANJIANG NORTH ROAD,NANCHANG,JIANGXI



Your Global e-security Partner

country: CN
 phone: +86 791 6730586
 fax-no: +86 791 6707755
 e-mail: hostmaster@public1.nc.jx.cn
 admin-c: XY1-AP
 tech-c: WZ1-CN
 tech-c: WW49-AP
 nic-hdl: JN113-AP
 notify: hostmaster@public1.nc.jx.cn
 mnt-by: MAINT-IP-WWF
 changed: hm-changed@apnic.net 20020812
 source: APNIC
 changed: hm-changed@apnic.net 20111114
 person: Chinanet Hostmaster
 nic-hdl: CH93-AP
 e-mail: anti-spam@ns.chinanet.cn.net
 address: No.31 ,jingrong street,beijing
 address: 100032
 phone: +86-10-58501724
 fax-no: +86-10-58501724
 country: CN
 changed: dingsy@cndata.com 20070416
 mnt-by: MAINT-CHINANET
 source: APNIC

inetnum: 119.144.0.0 - 119.147.255.255
 netname: CHINANET-GD
 descr: CHINANET Guangdong province network
 descr: Data Communication Division
 descr: China Telecom
 country: CN
 admin-c: CH93-AP
 tech-c: IC83-AP
 status: ALLOCATED PORTABLE
 changed: hm-changed@apnic.net 20080207
 mnt-by: APNIC-HM
 mnt-lower: MAINT-CHINANET-GD
 mnt-routes: MAINT-CHINANET-GD
 source: APNIC
 person: Chinanet Hostmaster
 nic-hdl: CH93-AP
 e-mail: anti-spam@ns.chinanet.cn.net
 address: No.31 ,jingrong street,beijing
 address: 100032
 phone: +86-10-58501724
 fax-no: +86-10-58501724
 country: CN
 changed: dingsy@cndata.com 20070416
 mnt-by: MAINT-CHINANET
 source: APNIC
 person: IPMASTER CHINANET-GD



Your Global e-security Partner

nic-hdl: IC83-AP
 e-mail: ipadm@189.cn
 address: NO.1,RO.DONGYUANHENG,YUEXIUNAN,GUANGZHOU
 phone: +86-20-83877223
 fax-no: +86-20-83877223
 country: CN
 changed: ipadm@189.cn 20110418
 mnt-by: MAINT-CHINANET-GD
 abuse-mailbox: abuse_gdnoc@189.cn
 source: APNIC

inetnum: 121.124.0.0 - 121.125.255.255

netname: HANANET
 descr: Hanaro Telecom, Inc.
 descr: Shindongah Bldg, 43, Taepyeongno2-ga, Jung-gu, Seoul
 country: KR
 admin-c: HL196-AP
 tech-c: JK250-AP
 descr: *****
 descr: Allocated to KRNIC Member.
 descr: If you would like to find assignment
 descr: information in detail please refer to
 descr: the KRNIC Whois Database at:
 descr: "http://whois.nida.or.kr/english/index.html"
 descr: *****
 status: Allocated Portable
 mnt-by: MNT-KRNIC-AP
 changed: hm-changed@apnic.net 20060802
 source: APNIC
 person: Han Lee
 nic-hdl: HL196-AP
 e-mail: ip-adm@hanaro.com
 address: 726-1, Janghang2-dong, Goyang-si, Ilsan-gu, Seoul
 phone: +82-2-106
 fax-no: +82-2-6266-6483
 country: KR
 changed: hostmaster@nic.or.kr 20040326
 mnt-by: MNT-KRNIC-AP
 source: APNIC
 person: Jinyoung Kim
 nic-hdl: JK250-AP
 e-mail: ip-adm@hanaro.com
 address: 726-1, Janghang2-dong, Goyang-si, Ilsan-gu, Seoul
 phone: +82-2-106
 fax-no: +82-2-6266-6483
 country: KR
 changed: hostmaster@nic.or.kr 20040326
 mnt-by: MNT-KRNIC-AP
 source: APNIC

inetnum: 121.124.0.0 - 121.125.255.255



Your Global e-security Partner

netname: broadNnet-KR
 descr: SK Broadband Co Ltd
 country: KR
 admin-c: IM12-KR
 tech-c: IM12-KR
 status: ALLOCATED PORTABLE
 mnt-by: MNT-KRNIC-AP
 mnt-irt: IRT-KRNIC-KR
 changed: hostmaster@nic.or.kr
 source: KRNIC

inetnum: 122.226.240.0 - 122.226.240.255

netname: JINHUA-MEIDIYA-LTD
 country: CN
 descr: Jinhua City Meidiya Network Ltd.
 descr:
 admin-c: LW463-AP
 tech-c: CJ54-AP
 mnt-irt: IRT-CHINANET-ZJ
 status: ASSIGNED NON-PORTABLE
 changed: auto-dbm@dcb.hz.zj.cn 20110514
 mnt-by: MAINT-CN-CHINANET-ZJ-JH
 source: APNIC
 role: CHINANET-ZJ Jinhua
 address: No.155 Xishi street,Jinhua,Zhejiang.321000
 country: CN
 phone: +86-579-2300779
 fax-no: +86-579-2330035
 e-mail: anti_spam@mail.jhptt.zj.cn
 admin-c: CH55-AP
 tech-c: CH55-AP
 nic-hdl: CJ54-AP
 mnt-by: MAINT-CHINANET-ZJ
 changed: master@dcb.hz.zj.cn 20031204
 source: APNIC
 changed: hm-changed@apnic.net 20111114
 person: Lujiang Wang
 nic-hdl: LW463-AP
 e-mail: anti_spam@mail.jhptt.zj.cn
 address: NO.155 Xishi Street,Jinhua,Zhejiang.Postcode:321000
 phone: +86-15305790379
 country: CN
 changed: auto-dbm@dcb.hz.zj.cn 20110824
 mnt-by: MAINT-CN-CHINANET-ZJ-JH
 source: APNIC

inetnum: 124.236.0.0 - 124.239.255.255

netname: CHINANET-HE
 descr: CHINANET hebei province network
 descr: China Telecom
 descr: No.31,jingrong street



Your Global e-security Partner

descr: Beijing 100032
 country: CN
 admin-c: BR3-AP
 tech-c: CH93-AP
 mnt-by: APNIC-HM
 mnt-lower: MAINT-CHINANET-HE
 mnt-routes: MAINT-CHINANET-HE
 status: ALLOCATED PORTABLE
 changed: hm-changed@apnic.net 20060725
 source: APNIC
 person: Bin Ren
 nic-hdl: BR3-AP
 e-mail: hostmaster@hbtele.com
 address: NO.69 KunLun avenue, Shijiazhuang 050000 China
 phone: +86-311-85211771
 fax-no: +86-311-85202145
 country: CN
 changed: renbin@hbtele.com 20060606
 mnt-by: MAINT-CHINANET-HE
 source: APNIC
 person: Chinanet Hostmaster
 nic-hdl: CH93-AP
 e-mail: anti-spam@ns.chinanet.cn.net
 address: No.31 ,jingrong street,beijing
 address: 100032
 phone: +86-10-58501724
 fax-no: +86-10-58501724
 country: CN
 changed: dingsy@cndata.com 20070416
 mnt-by: MAINT-CHINANET
 source: APNIC

inetnum: 124.236.0.0 - 124.239.255.255
 netname: CHINANET-HE
 descr: CHINANET hebei province network
 descr: China Telecom
 descr: No.31,jingrong street
 descr: Beijing 100032
 country: CN
 admin-c: BR3-AP
 tech-c: CH93-AP
 mnt-by: APNIC-HM
 mnt-lower: MAINT-CHINANET-HE
 mnt-routes: MAINT-CHINANET-HE
 status: ALLOCATED PORTABLE
 changed: hm-changed@apnic.net 20060725
 source: APNIC
 person: Bin Ren
 nic-hdl: BR3-AP
 e-mail: hostmaster@hbtele.com
 address: NO.69 KunLun avenue, Shijiazhuang 050000 China



Your Global e-security Partner

phone: +86-311-85211771
 fax-no: +86-311-85202145
 country: CN
 changed: renbin@hbtele.com 20060606
 mnt-by: MAINT-CHINANET-HE
 source: APNIC
 person: Chinanet Hostmaster
 nic-hdl: CH93-AP
 e-mail: anti-spam@ns.chinanet.cn.net
 address: No.31 ,jingrong street,beijing
 address: 100032
 phone: +86-10-58501724
 fax-no: +86-10-58501724
 country: CN
 changed: dingsy@cndata.com 20070416
 mnt-by: MAINT-CHINANET
 source: APNIC

inetnum: 125.211.0.0 - 125.211.255.255
 netname: UNICOM-HL
 descr: China Unicom Heilongjiang Province Network
 descr: China Unicom
 country: CN
 admin-c: CH1302-AP
 tech-c: BG63-AP
 status: ALLOCATED PORTABLE
 mnt-by: APNIC-HM
 mnt-lower: MAINT-CNCGROUP-HL
 mnt-routes: MAINT-CNCGROUP-RR
 changed: hm-changed@apnic.net 20070216
 changed: hm-changed@apnic.net 20090508
 source: APNIC
 route: 125.211.192.0/19
 descr: CNC Group CHINA169 Heilongjiang Province Network
 country: CN
 origin: AS4837
 mnt-by: MAINT-CNCGROUP-RR
 changed: abuse@cnc-noc.net 20070319
 source: APNIC
 person: ChinaUnicom Hostmaster
 nic-hdl: CH1302-AP
 e-mail: abuse@cnc-noc.net
 address: No.21,Jin-Rong Street
 address: Beijing,100033
 address: P.R.China
 phone: +86-10-66259764
 fax-no: +86-10-66259764
 country: CN
 changed: abuse@cnc-noc.net 20090408
 mnt-by: MAINT-CNCGROUP
 source: APNIC



Your Global e-security Partner

person: Binghui Gao
 nic-hdl: BG63-AP
 e-mail: luanfuyu@vip.hl.cn
 address: Shuniu Building, No.155 Zhongshan road, Harbin, Heilongjiang
 phone: +86-451-82651467
 fax-no: +86-451-82651464
 country: CN
 changed: luanfuyu@vip.hl.cn 20100310
 mnt-by: MAINT-CNCGROUP-HL
 source: APNIC

inetnum: 220.178.0.0 - 220.180.255.255
 netname: CHINANET-AH
 country: CN
 descr: CHINANET anhui province network
 descr: China Telecom
 descr: A12, Xin-Jie-Kou-Wai Street
 descr: Beijing 100088
 admin-c: CH93-AP
 tech-c: AT318-AP
 status: ALLOCATED non-PORTABLE
 changed: wanglinlin2@anhuitelecom.com 20060317
 mnt-by: MAINT-CHINANET
 source: APNIC
 role: ANHUI TELECOM
 address: 305 Changjiang West Road
 address: Hefei Anhui China
 country: CN
 phone: +86 0551 5185089
 fax-no: +86 0551 5185500
 e-mail: wanglinlin2@anhuitelecom.com
 admin-c: LW604-AP
 tech-c: LW604-AP
 nic-hdl: AT318-AP
 notify: wanglinlin2@anhuitelecom.com
 mnt-by: MAINT-CHINANET-AH
 changed: wanglinlin2@anhuitelecom.com 20060323
 source: APNIC
 changed: hm-changed@apnic.net 20111114
 person: Chinanet Hostmaster
 nic-hdl: CH93-AP
 e-mail: anti-spam@ns.chinanet.cn.net
 address: No.31 ,jingrong street, beijing
 address: 100032
 phone: +86-10-58501724
 fax-no: +86-10-58501724
 country: CN
 changed: dingsy@cndata.com 20070416
 mnt-by: MAINT-CHINANET
 source: APNIC



Your Global e-security Partner

inetnum: 220.189.203.128 - 220.189.203.255
 netname: ZHOUSHAN-EDUCATIONAL-BUREAU
 country: CN
 descr: zhoushan Educational Bureau
 descr:
 admin-c: GY340-AP
 tech-c: CZ6-AP
 status: ASSIGNED NON-PORTABLE
 changed: auto-dbm@dcb.hz.zj.cn 20050919
 mnt-by: MAINT-CN-CHINANET-ZJ-ZS
 source: APNIC
 role: CHINANET-ZJ Zhoushan
 address: No.10 Renming Road(South),Zhoushan,Zhejiang.316000
 country: CN
 phone: +86-580-2069014
 fax-no: +86-580-2026171
 e-mail: anti_spam@mail.zsptt.zj.cn
 admin-c: CH118-AP
 tech-c: CH118-AP
 nic-hdl: CZ6-AP
 mnt-by: MAINT-CHINANET-ZJ
 changed: master@dcb.hz.zj.cn 20031204
 source: APNIC
 changed: hm-changed@apnic.net 20111114
 person: Guocheng Yang
 nic-hdl: GY340-AP
 e-mail: anti_spam@mail.zsptt.zj.cn
 address: No.359 ,the south road around the city, Dinghai,Zhoushan
 phone: +86-580-2025185
 country: CN
 changed: auto-dbm@dcb.hz.zj.cn 20050919
 mnt-by: MAINT-CN-CHINANET-ZJ-ZS
 source: APNIC

inetnum: 221.122.0.0 - 221.123.255.255
 netname: CHINACOMM
 descr: CECT-CHINACOMM COMMUNICATIONS Co.,Ltd.
 descr: INTERNET COMMUNICATIONS
 country: CN
 admin-c: ML850-AP
 tech-c: LD690-AP
 mnt-by: MAINT-CNNIC-AP
 changed: ipas@cnnic.net.cn 20091017
 status: ALLOCATED PORTABLE
 source: APNIC
 person: Ma Liming
 nic-hdl: ML850-AP
 e-mail: ipmaster@cect-chinacomm.com
 address: B904,Yuhui Mansion,No.73,Fucheng Road,
 address: Haidian District, Beijing, China
 phone: +86-10-64169966



Your Global e-security Partner

fax-no: +86-10-64163632
 country: CN
 changed: ipas@cnnic.net.cn 20080611
 mnt-by: MAINT-CNNIC-AP
 source: APNIC
 person: Li Ding
 nic-hdl: LD690-AP
 e-mail: dingli@cect-chinacomm.com
 address: B904,Yuhui Mansion,No.73,Fucheng Road,
 address: Haidian District, Beijing, China
 phone: +86-10-58256888-876
 fax-no: +86-10-58256888
 country: CN
 changed: ipas@cnnic.net.cn 20091017
 mnt-by: MAINT-CNNIC-AP
 source: APNIC

inetnum: 222.184.0.0 - 222.191.255.255
 netname: CHINANET-JS
 descr: CHINANET jiangsu province network
 descr: China Telecom
 descr: A12,Xin-Jie-Kou-Wai Street
 descr: Beijing 100088
 country: CN
 admin-c: CH93-AP
 tech-c: CJ186-AP
 mnt-by: APNIC-HM
 mnt-lower: MAINT-CHINANET-JS
 mnt-routes: MAINT-CHINANET-JS
 changed: hm-changed@apnic.net 20040223
 status: ALLOCATED PORTABLE
 source: APNIC
 role: CHINANET JIANGSU
 address: 260 Zhongyang Road,Nanjing 210037
 country: CN
 phone: +86-25-86588231
 phone: +86-25-86588745
 fax-no: +86-25-86588104
 e-mail: ip@jsinfo.net
 admin-c: CH360-AP
 tech-c: CS306-AP
 tech-c: CN142-AP
 nic-hdl: CJ186-AP
 notify: ip@jsinfo.net
 mnt-by: MAINT-CHINANET-JS
 changed: dns@jsinfo.net 20090831
 changed: ip@jsinfo.net 20090831
 changed: hm-changed@apnic.net 20090901
 source: APNIC
 changed: hm-changed@apnic.net 20111114
 person: Chinanet Hostmaster



Your Global e-security Partner

nic-hdl: CH93-AP
 e-mail: anti-spam@ns.chinanet.cn.net
 address: No.31 ,jingrong street,beijing
 address: 100032
 phone: +86-10-58501724
 fax-no: +86-10-58501724
 country: CN
 changed: dingsy@cndata.com 20070416
 mnt-by: MAINT-CHINANET
 source: APNIC

inetnum: 222.31.208.0 - 222.31.223.255
 netname: IMU-CN
 descr: ~{DZCI9E4sQ'~}
 descr: Inner Mongolia University
 descr: Hohhot 010021, China
 country: CN
 admin-c: BJ147-AP
 tech-c: BJ147-AP
 tech-c: CER-AP
 changed: hostmaster@net.edu.cn 20050511
 mnt-by: MAINT-CERNET-AP
 status: ASSIGNED NON-PORTABLE
 source: APNIC
 role: CERNET Helpdesk
 address: Room 224, Main Building
 address: Tsinghua University
 address: Beijing 100084, China
 country: CN
 phone: +86-10-6278-4049
 fax-no: +86-10-6278-5933
 e-mail: cernet-helpdesk-ip@net.edu.cn
 admin-c: XL1-CN
 tech-c: SZ2-AP
 nic-hdl: CER-AP
 mnt-by: MAINT-CERNET-AP
 changed: cernet-helpdesk-ip@net.edu.cn 20010903
 source: APNIC
 changed: hm-changed@apnic.net 20111114
 person: Bo Jia
 address: Network Center
 address: Inner Mongolia University
 address: Hohhot 010021, China
 country: CN
 nic-hdl: BJ147-AP
 e-mail: jiabo@imu.edu.cn
 phone: +86-010-4994417
 fax-no: +86-010-4991900
 changed: hostmaster@net.edu.cn 20050511
 mnt-by: MAINT-CERNET-AP
 source: APNIC



Your Global e-security Partner

changed: hm-changed@apnic.net 20111122

inetnum: 61.147.0.0 - 61.147.255.255

netname: CHINANET-JS

descr: CHINANET jiangsu province network

descr: China Telecom

descr: A12,Xin-Jie-Kou-Wai Street

descr: Beijing 100088

country: CN

admin-c: CH93-AP

tech-c: CJ186-AP

mnt-by: MAINT-CHINANET

mnt-lower: MAINT-CHINANET-JS

mnt-routes: maint-chinanet-js

changed: hostmaster@ns.chinanet.cn.net 20020209

changed: hostmaster@ns.chinanet.cn.net 20030306

status: ALLOCATED non-PORTABLE

source: APNIC

route: 61.147.0.0/16

descr: CHINANET jiangsu province network

country: CN

origin: AS23650

mnt-by: MAINT-CHINANET-JS

changed: ip@jsinfo.net 20030414

source: APNIC

role: CHINANET JIANGSU

address: 260 Zhongyang Road,Nanjing 210037

country: CN

phone: +86-25-86588231

phone: +86-25-86588745

fax-no: +86-25-86588104

e-mail: ip@jsinfo.net

admin-c: CH360-AP

tech-c: CS306-AP

tech-c: CN142-AP

nic-hdl: CJ186-AP

notify: ip@jsinfo.net

mnt-by: MAINT-CHINANET-JS

changed: dns@jsinfo.net 20090831

changed: ip@jsinfo.net 20090831

changed: hm-changed@apnic.net 20090901

source: APNIC

changed: hm-changed@apnic.net 20111114

person: Chinanet Hostmaster

nic-hdl: CH93-AP

e-mail: anti-spam@ns.chinanet.cn.net

address: No.31 ,jingrong street,beijing

address: 100032

phone: +86-10-58501724

fax-no: +86-10-58501724

country: CN



Your Global e-security Partner

changed: dingsy@cndata.com 20070416
mnt-by: MAINT-CHINANET
source: APNIC