<table>
<thead>
<tr>
<th><strong>Vulnerability Assessment Report</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IP Address Analyzed</strong></td>
</tr>
<tr>
<td><strong>Technical Attention Priority</strong></td>
</tr>
<tr>
<td><strong>Type of Analysis</strong></td>
</tr>
<tr>
<td><strong>Analysis Date</strong></td>
</tr>
<tr>
<td><strong>Security Threats Discovered</strong></td>
</tr>
<tr>
<td><strong>Severe Threats Discovered</strong></td>
</tr>
<tr>
<td><strong>Document ID Number</strong></td>
</tr>
</tbody>
</table>
Executive Summary

This document provides the results of the vulnerability assessment performed by FireWallData.com against 203.129.236.242 on Monday, June 27, 2005 at 3:00 PM (GMT+5). The information contained within this document is considered extremely confidential and should be treated as such.

The graph below represents the seriousness of the security threats found during the assessment. The higher the percentage, the higher the priority should be for resolving the discovered security threats.

![Graph showing security threat seriousness]

The scope of this analysis was to remotely audit and analyze the system and/or resources of 203.129.236.242. This provides a "hacker's eye view" of the system to discover its security vulnerabilities and weaknesses to possible hacker penetration or attack. FirewallData.com tested for 8327 different potential security vulnerabilities.

During the process of this analysis, FirewallData.com discovered 5 possible security threats. Of the discovered security threats, 1 of them are considered severe.

![Graph showing historical perspective of security threats]

Please recognize that network and information security is both a technical issue and a business issue. This document attempts to provide both high-level, plain-English information (in the Business Analysis Report section) and detailed technical information (in the Technical Analysis Report section). If you are a non-technical person, or if you are not familiar with Firewall reports, please consider reading the Education report, located at the very bottom of this document.
Business Analysis Report

The Business Analysis Report is written to provide an analysis of the business-focused details of this document. This report examines the potential business impact of discovered security threats and quantifies relational data about the target network. The Business Analysis Report also provides an executive-level overview of the recommended immediate actions to be considered to address the security threats discovered.

This report attempts to be non-technical and the intended audience is non-technical individuals, business management, and/or executives. The Business Analysis Report presents the Scan results in plain-English, graphical, and summarized formats. For the intended audience, this report will contain the majority of the relevant information and data.

Security Threats by Risk Factor

This Scan discovered a total of 5 potential security threats to 203.129.236.242. Of this total number, 0 of the threats are classified as High Risk and 1 are classified as Medium Risk.

Security Threats By Family

The 5 potential security threats discovered on 203.129.236.242 are spread across 4 different families of threat classifications. A large diversification of families (>4) is cause for concern.
Security Threats By Open Network Port

This Scan analysis discovered a total of 3 open network ports on 203.129.236.242. This does not mean each open port is a security threat, but it does show some possible points of entry to your network that an attacker could potentially use. It is generally considered good practice to keep the number of open ports as low as possible. Sometimes hackers will target computers with a large number of open network ports because they might be easier to attack. Minimizing the number of open network ports will help to minimize this risk and make your network less "attractive" to hackers and attacks.

<table>
<thead>
<tr>
<th>Port</th>
<th>Service</th>
<th>Fingerprint</th>
</tr>
</thead>
<tbody>
<tr>
<td>21/tcp</td>
<td>ftp</td>
<td>Microsoft ftpd</td>
</tr>
<tr>
<td>22/tcp</td>
<td>ssh?</td>
<td>secure shell login, secure shell, ssh remote login protocol</td>
</tr>
<tr>
<td>1720/tcp</td>
<td>H.323/Q.931?</td>
<td>interactive media, h323hostcall</td>
</tr>
</tbody>
</table>

The following table shows a cross-reference of all discovered security threats by port number and Risk Factor. This analysis will help to determine which port represents the greatest overall risk to the target system.

<table>
<thead>
<tr>
<th>Port</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
<th>Other</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>21/tcp</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>22/tcp</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>H.323/Q.931 (1720/tcp)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>general/tcp</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>
Security Threats By Family

This scan analysis discovered a total of 5 potential security threats to 203.129.236.242. Of this total number, 0 of the threats are classified as High Risk and 1 are classified as Medium Risk. The Medium and High Risk threats are considered serious because they represent direct threats to 203.129.236.242. Low and Other Risk threats are still important, however these types of threats are usually either informational which help make attackers better prepared, or they cannot be closed without affecting service availability.

The 5 potential security threats discovered on 203.129.236.242 are spread across 4 different families of threat classifications. A large diversification of families (> 4) is cause for concern because these types of systems make more desirable targets for potential attackers. A relatively minor threat in one service could help an attacker exploit a more difficult and major threat in another service.

<table>
<thead>
<tr>
<th>Family</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
<th>Other</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backdoors</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>FTP Services</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Service Detection</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
Immediate Needs

This section will review the discovered security threats that are more probable to pose an immediate risk of attack to 203.129.236.242. This is determined by the risk factor of the discovered threats; any potential vulnerability classified as either High Risk or Medium Risk is automatically considered an "immediate need." Of the 5 security threats discovered on 203.129.236.242, 0 (0%) are considered High Risk and 1 (20%) are considered Medium Risk.

High Risk Security Threats Summaries
No High Risk Threats Found

Medium Risk Security Threats Summaries

<table>
<thead>
<tr>
<th>ID</th>
<th>Family</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>12213</td>
<td>Miscellaneous</td>
<td>TCP sequence number approximation</td>
</tr>
</tbody>
</table>

- **New**
- **Unmodified**
- **Modified**
- **Resolved**
Comparative Security Ranking

FirewallData has assigned a score to this security analysis report. The score is based on the quantity and severity of the security threats discovered on 203.129.236.242. This score was then ranked against all the other scores, for all the other Scan reports, from all of the FirewallData customers. This formula produces a percentile ranking - the comparative rating of the quality of security for 203.129.236.242 versus all the other systems FirewallData has analyzed.

This Comparative Security Ranking gives an indication of how 203.129.236.242 compares to all of the other systems FirewallData has analyzed. For example, a rating of 100% would mean that 203.129.236.242 is more secure than every other system FirewallData has analyzed, while a rating of 0% would mean that 203.129.236.242 is less secure than every other system analyzed. Since this is a comparative rating, a score of 100% does not guarantee that your system is completely secure nor does a lower rating mean your system will be attacked. Nonetheless, it does provide a general idea of how 203.129.236.242 compares to others using FirewallData.com
Resolution Checklist

This Security Resolution Checklist is intended to act as a bridge between the Business Analysis and Technical Analysis reports. The checklist is purposely designed to be a very high-level summary to help organize the work-flow process of addressing potential security threats to your network. This report does not present any new information that is not available in the other reports of this document. Rather, sections of the other reports are simply summarized in this checklist to be a "common ground" between the distinctly different technical processes and business objectives.

Outstanding High Risk Security Threats
No High Risk Threats Found

Outstanding Medium Risk Security Threats

<table>
<thead>
<tr>
<th>Complete</th>
<th>ID</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12213</td>
<td>TCP sequence number approximation</td>
</tr>
</tbody>
</table>

| New | Unmodified | Modified | Resolved |

Other Items

<table>
<thead>
<tr>
<th>Complete</th>
<th>Type</th>
<th>Item Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Recommended</td>
<td>Install a high quality firewall as a &quot;front line&quot; defense</td>
</tr>
<tr>
<td></td>
<td>Recommended</td>
<td>Install (and update regularly) high quality anti-virus software</td>
</tr>
<tr>
<td></td>
<td>Recommended</td>
<td>Perform FirewallData.com security analysis on all network devices</td>
</tr>
<tr>
<td></td>
<td>Recommended</td>
<td>Verify online database (ARIN, Domain, and Google) information</td>
</tr>
<tr>
<td></td>
<td>Recommended</td>
<td>Make regular backups of all critical data. Test the backups for errors.</td>
</tr>
<tr>
<td></td>
<td>Recommended</td>
<td>Install latest patches and updates for operating system and applications</td>
</tr>
<tr>
<td></td>
<td>Recommended</td>
<td>Use complex non-dictionary passwords for all users of all systems.</td>
</tr>
</tbody>
</table>
Suggested Next Steps

This section reviews some general security practices to consider. Each of these items may, or may not, be applicable to you, depending on the size, configuration, and usage of your network. Nonetheless, you should consider each of the items in this section, as they will help you to manage the awareness, protection, and reaction of your network to possible security attacks.

Firewall Analysis

Every Internet-connected network, no matter how large or small, should seriously consider using a firewall. This would provide a reasonable "front line" defense against hackers or attacks. Firewalls can be either hardware or software and their pricing and effectiveness can vary significantly. The most expensive firewall may, or may not, be the best option. Likewise, the least expensive firewall may, or may not, provide adequate protection for your network.

In any case, firewalls are tasked with a complex and ever-changing job. Firewalls themselves can have security threats and it is not uncommon for a firewall to be configured incorrectly or to redirect ports to a server. Therefore, it is wise to have FirewallData re-test your network's security after making any changes to your architecture (like installing a firewall). Although an excellent line of defense, a firewall alone does not automatically guarantee your networks' security.

Security Analysis Scope and Frequency

The old saying is true: a chain is only as strong as its weakest link. The same is also true for your network and information security - all it takes is one vulnerability, on one piece of your network, to potentially spell disaster for the entire network.

Therefore, do not forget to have FirewallData analyze the security of every Internet-connected device on your network. This includes servers, desktops, routers, firewalls, fileservers, laptops - everything. If your network allows remote connections (for example, workers who telecommute and connect from their home office), don't forget to analyze the security of those remote devices too. Think of it this way: it is just as effective to break into your home using the bedroom window as it is using the front door. Every possible entry point needs to be secured.

Just as you should frequently update your anti-virus software, it is also good practice to analyze your network's security regularly. New security threats and vulnerabilities are discovered daily and the Firewall Data database of security threats generally grows by 5-10 new vulnerabilities every week. Fireall Data has even seen more than 80 new security threats crop up in a single month.
The Technical Analysis Report provides documentation and details of the technical-focused analysis conducted for this document. This report includes the technical details of an examination of the discovered security threats and quantifies relational data about the target network. The Technical Analysis Report also provides the in-depth details of each potential security threat discovered during the Scan analysis.

This report is purposely technical and the intended audience is technical individuals, technical consultants, technical service providers, or in-house technology/engineering staff. The Technical Analysis Report presents all of the technical details and findings of the Scan analysis. For the intended audience, this report will contain the majority of the relevant information and data.
Security Threats By Open Network Port

This FirewallData Scan discovered a total of 3 open network ports on 203.129.236.242. This does not mean each open port is a security threat, but it does show some possible points of entry to your network that an attacker could potentially use. It is generally considered good practice to keep the number of open ports as low as possible. Sometimes hackers will target computers with a large number of open network ports because they might be easier to attack. Minimizing the number of open network ports will help to minimize this risk and make your network less "attractive" to hackers and attacks.

<table>
<thead>
<tr>
<th>Port</th>
<th>Service</th>
<th>Fingerprint</th>
</tr>
</thead>
<tbody>
<tr>
<td>21/tcp</td>
<td>ftp</td>
<td>Microsoft ftpd</td>
</tr>
<tr>
<td>22/tcp</td>
<td>ssh?</td>
<td>secure shell login, secure shell, ssh remote login protocol</td>
</tr>
<tr>
<td>1720/tcp</td>
<td>H.323/Q.931?</td>
<td>interactive media, h323hostcall</td>
</tr>
</tbody>
</table>

The following table shows a cross-reference of all discovered security threats by port number and Risk Factor. This analysis will help to determine which port represents the greatest overall risk to the target system.

<table>
<thead>
<tr>
<th>Port</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
<th>Other</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>21/tcp</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>22/tcp</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>H.323/Q.931 (1720/tcp)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>general/tcp</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>
Discovered Security Threat Summaries

This section provides a simple one-line summary for each discovered potential security threat on 203.129.236.242. These summaries are grouped by Risk Factor.

High Risk Security Threats
No High Risk Threats Found

Medium Risk Security Threats

<table>
<thead>
<tr>
<th>ID</th>
<th>Family</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>12213</td>
<td>Miscellaneous</td>
<td>TCP sequence number approximation</td>
</tr>
</tbody>
</table>

Low Risk Security Threats

<table>
<thead>
<tr>
<th>ID</th>
<th>Family</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>10079</td>
<td>FTP Services</td>
<td>Anonymous FTP enabled</td>
</tr>
<tr>
<td>10092</td>
<td>FTP Services</td>
<td>FTP Server type and version</td>
</tr>
<tr>
<td>11157</td>
<td>Backdoors</td>
<td>Trojan horses</td>
</tr>
</tbody>
</table>

Other Security Threats

<table>
<thead>
<tr>
<th>ID</th>
<th>Family</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>12243</td>
<td>Service Detection</td>
<td>H323 application detection</td>
</tr>
</tbody>
</table>

Ignored Security Threats
No Threats Ignored
Network Characteristics

This section is not specific to security threats or vulnerabilities. Rather, the Network Characteristics section provides general information about how 203.129.236.242 responded to some standard basic network testing. The information in this section may be useful to gain an understanding of the characteristics of 203.129.236.242 as seen from a remote network across the Internet.
ICMP Echo (ping) Response

Although ping is sometimes considered a valuable network diagnostic tool, it can also sometimes be used for certain denial of service (DoS) attacks. You should consider the possible impact this may, or may not, have on your network resources.

<table>
<thead>
<tr>
<th>Packet Loss</th>
<th>Round-Trip Times</th>
<th>Minimum</th>
<th>Average</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>----&gt;</td>
<td>0.0 (ms)</td>
<td>0.0 (ms)</td>
<td>0.0 (ms)</td>
</tr>
</tbody>
</table>
Traceroute Response

The information below shows a traceroute originating from the FirewallData network to 203.129.236.242. This traceroute was performed using a maximum TTL value of 30, one UDP query per TTL, and a starting TTL of 5.

<table>
<thead>
<tr>
<th>Hop</th>
<th>Hostname</th>
<th>IP Address</th>
<th>Round-Trip Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>ae-1-55.mp1.Phoenix1.Level3.net</td>
<td>4.68.98.129</td>
<td>11.903</td>
</tr>
<tr>
<td>6</td>
<td>as-3-0.bbr1.NewYork1.Level3.net</td>
<td>64.159.3.253</td>
<td>61.188</td>
</tr>
<tr>
<td>7</td>
<td>ge-9-1.ipcolo1.NewYork1.Level3.net</td>
<td>4.68.97.109</td>
<td>60.726</td>
</tr>
<tr>
<td>8</td>
<td>unknown.Level3.net</td>
<td>63.209.170.242</td>
<td>60.944</td>
</tr>
<tr>
<td>9</td>
<td>62.216.145.222</td>
<td>62.216.145.222</td>
<td>262.395</td>
</tr>
<tr>
<td>10</td>
<td>220.224.184.38</td>
<td>220.224.184.38</td>
<td>267.29</td>
</tr>
<tr>
<td>11</td>
<td>220.227.211.161</td>
<td>220.227.211.161</td>
<td>392.912</td>
</tr>
<tr>
<td>12</td>
<td>203.129.239.246</td>
<td>203.129.239.246</td>
<td>280.426</td>
</tr>
<tr>
<td>14</td>
<td>203.129.236.241</td>
<td>203.129.236.241</td>
<td>274.013</td>
</tr>
</tbody>
</table>
Reverse DNS Information

The IP address 203.129.236.242 does not have valid reverse DNS records. Reverse DNS records are necessary for some network protocols and/or applications to function correctly. It is always a good idea to give an IP address a valid reverse DNS record, even if it is just a generic name within your domain. If you have assigned a reverse DNS record for 203.129.236.242, then there might be a configuration problem with the authoritative name server(s) for your domain. The results from attempting to resolve the IP address into a valid hostname are shown below.

```
;; <<<>< DIG 9.2.4 <<<> -x 203.129.236.242
;; global options: printcmd
;; Got answer.
;; ->>>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 57265
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 0

;; QUESTION SECTION:
242.236.129.203.in-addr.arpa. IN PTR

;; AUTHORITY SECTION:
236.129.203.in-addr.arpa. 10800 IN SOA stpimumbai.net. manas.stpmum.soft.net. 20...

;; Query time: 907 msec
;; SERVER: 192.168.3.3#53(192.168.3.3)
;; WHEN: Mon Jun 27 03:00:13 2005
;; MSG SIZE  rcvd: 114
```
Online Public Database Search

There are various public databases, accessible via the Internet, which may contain information about your network, systems, and company. Under normal circumstances, this information is not confidential and does not contain any errors. However, it is also possible for these public databases to contain sensitive and/or incorrect data. If this is the case, the potential impact could vary widely. It may be a simple typo, it may allow your network to be hijacked by hackers, or it may expose proprietary information to the Internet.

In this section, three online public databases were queried for information about 203.129.236.242. Because this information is specific to your network, can not automatically determine if this information is correct or not. Please review the results listed below for each of these queries to ensure that the information is both correct and non-confidential.
This section queried the ARIN IP Address registry for information about 203.129.236.242. The results of this query should show the owner (and associated contacts) for the 203.129.236.242 IP address. This should probably be your company directly, your ISP, or maybe even your hosting provider (if applicable). The entity listed below is considered the authoritative owner of the IP address 203.129.236.242:

OrgName: Asia Pacific Network Information Centre
OrgID: APNIC
Address: PO Box 2131
City: Milton
StateProv: QLD
PostalCode: 4064
Country: AU
ReferralServer: whois://whois.apnic.net

NetRange: 202.0.0.0 - 203.255.255.255
CIDR: 202.0.0.0/7
NetName: APNIC-CIDR-BLK
NetHandle: NET-202-0-0-0-1
Parent: Allocated to APNIC
NameServer: NS1.APNIC.NET
NameServer: NS3.APNIC.NET
NameServer: NS4.APNIC.NET
NameServer: TINNIE.ARIN.NET
NameServer: NS-SEC.RIPE.NET
NameServer: DNS1.TELSTRA.NET
Comment: This IP address range is not registered in the ARIN database.
Comment: For details, refer to the APNIC Whois Database via WHOIS.APNIC.NET or http://www.apnic.net/apnic-bin/whois2.pl
Comment: ** IMPORTANT NOTE: APNIC is the Regional Internet Registry for the Asia Pacific region. APNIC does not operate networks using this IP address range and is not able to investigate spam or abuse reports relating to these addresses. For more help, refer to http://www.apnic.net/info/faq/abuse

RegDate: 1994-04-05
Updated: 2005-05-20

OrgTechHandle: AWC12-ARIN
OrgTechName: APNIC Whois Contact
OrgTechPhone: +61 7 3858 3100
OrgTechEmail: search-apnic-not-arin@apnic.net

# ARIN WHOIS database, last updated 2005-06-26 19:10

Found a referral to whois.apnic.net.

% [whois.apnic.net node-1]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

inetnum: 203.129.224.0 - 203.129.255.255
netname: STPP-IN
descr: Software Technology Parks of India
descr: Pune
country: IN
admin-c: II4-AP
tech-c: II4-AP
remarks: tech@stpb.soft.net
mnt-by             APNIC-HM
mnt-lower          MAINT-SOFTNET-AP
changed            hostmaster@apnic.net 20021106
status             ALLOCATED PORTABLE
source             APNIC

person             Internet Systems Group ISG
nic-hdl            II4-AP
e-mail             tech@stpb.soft.net
address            Block III, KSSIDC Complex, Electronics City
address            Bangalore 561 229
phone              +91-80-8526115
fax-no             +91-80-8520958
country            IN
changed            tech@stpb.soft.net 20030723
mnt-by             MAINT-SOFTNET-AP
source             APNIC
This section attempted to resolve the domain name for 203.129.236.242. Then, that domain name, if any, was searched in the Internic and domain name registry databases. The results of this query should report the owner (and associated contacts) for the domain name, if any, associated with 203.129.236.242. This should probably be your company directly, your ISP, or maybe even your hosting provider (if applicable). The entity listed below is considered the authoritative owner of the domain name, if any, associated with the IP address 203.129.236.242:

There is no reverse DNS information for 203.129.236.242. Although somewhat rare, there are some network services that require both forward and reverse DNS information for hosts. Thus, because 203.129.236.242 does not have a reverse DNS record, this computer may have problems with some network services. These services could include email, VPN, IRC/chat, remote administration/shell, or even some web services.

The solution is relatively easy. Whatever organization owns the IP address 203.129.236.242 should enter a reverse DNS record for the IP. If your company owns or operates your own DNS servers, you should ask your Internet Service Provider (ISP) to delegate reverse DNS queries to your own DNS servers. If you use your ISP's DNS servers, then you should just ask your ISP to provide reverse DNS information for your IP address(es). If you are not sure if you own your own DNS servers, then you probably do not and should just contact your ISP and ask them to provide reverse DNS information for your IP address(es).
In this section, the IP address 203.129.236.242 was queried using the Google search engine. Specifically, Firewall Data searched for suspicious public information that may contain confidential details about 203.129.236.242, like password or login information. These results may show that confidential and/or sensitive information about 203.129.236.242 has been exposed to the public Internet. However, it is also possible that these results are completely innocent and no private data is available or exposed through Google's search engine. Click on the following link to review the results from this query:

Click here to view the Google search engine query for 203.129.236.242
All Discovered Security Threats Details

This section provides all the details about each discovered potential security threat on 203.129.236.242. These details are grouped by Risk Factor. Of the 5 possible security threats discovered on 203.129.236.242, 0 (0%) are considered High Risk, 1 (20%) are considered Medium Risk, 3 (60%) are considered Low Risk, and 1 (20%) are considered Other Risk.

If a threat has been modified, its heading will be color-coded using the following key:

- New
- Unmodified
- Modified
- Resolved

High Risk Security Threat Details
No High Risk Threats Found

Medium Risk Security Threat Details

TCP sequence number approximation
The remote host might be vulnerable to a sequence number approximation bug, which may allow an attacker to send spoofed RST packets to the remote host and close established connections.

This may cause problems for some dedicated services (BGP, a VPN over TCP, etc...).


CVE: CAN-2004-0230
BugTraq ID: 10183

<table>
<thead>
<tr>
<th>Port: general/tcp</th>
<th>Family: Miscellaneous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk: Medium</td>
<td></td>
</tr>
<tr>
<td>Threat ID: 12213</td>
<td></td>
</tr>
</tbody>
</table>

Low Risk Security Threat Details

Anonymous FTP enabled
This FTP service allows anonymous logins. If you do not want to share data with anyone you do not know, then you should deactivate the anonymous account, since it may only cause troubles.

CVE: CAN-1999-0497

<table>
<thead>
<tr>
<th>Port: ftp (21/tcp)</th>
<th>Family: FTP Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk: Low</td>
<td></td>
</tr>
<tr>
<td>Threat ID: 10079</td>
<td></td>
</tr>
</tbody>
</table>

FTP Server type and version
Remote FTP server banner:
220 Microsoft FTP Service

<table>
<thead>
<tr>
<th>Port: ftp (21/tcp)</th>
<th>Family: FTP Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk: Low</td>
<td></td>
</tr>
<tr>
<td>Threat ID: 10092</td>
<td></td>
</tr>
</tbody>
</table>
**Trojan horses**
An unknown service runs on this port.
It is sometimes opened by this/these Trojan horse(s):
Adore sshd
Shaft

Unless you know for sure what is behind it, you'd better check your system

*** Anyway, don't panic, Nessus only found an open port. It may *** have been dynamically allocated to some service (RPC...)

Solution: if a trojan horse is running, run a good antivirus scanner

<table>
<thead>
<tr>
<th>Port:</th>
<th>ssh (22/tcp)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family:</td>
<td>Backdoors</td>
</tr>
<tr>
<td>Risk:</td>
<td>Low</td>
</tr>
<tr>
<td>Threat ID:</td>
<td>11157</td>
</tr>
</tbody>
</table>

---

**Other Risk Security Threat Details**

**H323 application detection**
H323 is a protocol used all over the Internet. It is used for Voice Over IP (VoIP), Microsoft NetMeeting, and countless other applications. Nessus was able to determine that the remote device supports the H323 protocol. It is in your best interest to run a separate audit against this IP to determine the potential risk introduced by this application.

<table>
<thead>
<tr>
<th>Port:</th>
<th>H.323/Q.931 (1720/tcp)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family:</td>
<td>Service Detection</td>
</tr>
<tr>
<td>Risk:</td>
<td>Other</td>
</tr>
<tr>
<td>Threat ID:</td>
<td>12243</td>
</tr>
</tbody>
</table>
Of the 5 possible security threats discovered on 203.129.236.242, 2 of them also have external advisory sources for additional cross-reference information. To view the external advisory information, click on the reference number in the table below.

<table>
<thead>
<tr>
<th>ID</th>
<th>Risk</th>
<th>Description and References</th>
</tr>
</thead>
<tbody>
<tr>
<td>12213</td>
<td>Medium</td>
<td>TCP sequence number approximation on port general/tcp</td>
</tr>
<tr>
<td>10079</td>
<td>Low</td>
<td>Anonymous FTP enabled on port ftp (21/tcp)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CAN-1999-0497</td>
</tr>
</tbody>
</table>
Education

The Education report is written to provide a very high level explanation of network and information security. This report will also show some statistics about the need for security, dispel common myths about security, and define (in plain English) many of the terms used throughout this document.

This particular section is non-technical and is geared toward non-technical individuals, business management, and/or executives. For the stated audience, this report should be a prerequisite to the other reports in this document. If you are already familiar with FirewallData documents, or if you are a technical professional, you may wish to simply skim this Education report. However, if you are a non-technical person, it is strongly recommended that you read this report.

What is Network and/or Information Security

Before you can understand the concept of network security, you must decide what security means to you and your company. Perhaps to you, feeling secure means knowing that you are safe from any outsider gaining access to your confidential files and private company information. If this is the case, use this policy to evaluate what goes on with your network because the same private information is also stored in your computer systems.

Network security simply means preventing unauthorized use of your computer network. Taking the necessary precautions to protect your network will help to keep unauthorized users, or hackers, from gaining access to your computer system or network. Network security can also assist you in detecting whether or not a hacker tried breaking into your system, and what damage, if any, was done.

When it comes to network security, most companies fall somewhere between two boundaries: complete access and complete security. A completely secure computer is one that is not connected to the network, not plugged in, and physically unreachable by anyone. Obviously, a machine like this does not serve much of a purpose in your office. On the other hand, a computer with complete access is very easy to use, requiring no passwords or authorization to provide information. Unfortunately, having a machine with complete access means anyone could access it. This could spell disaster for you and your organization.
Why is Network Security Important

You may have a good understanding of what network security is, but you may not know why it is so important. Being educated about what a hacker may be looking for on your system can help you understand why keeping your network secure is so critical.

There are several reasons for keeping your information secure. Of course the obvious reason that most people consider network security so important is to keep hackers away from their personal information. Intruders can gain access to your financial records, confidential client information, and private company data. However, this is not the only reason for security.

Most of us probably would not consider our communications and files to be top-secret information, but this does not mean we want others reading it. Many people believe if they only use their computers to send email, surf the Internet, or play computer games, they will not be targets for hacker attacks. Beware! Hackers may not care about your personal information; they may want to get into your network so they can attack other systems while making the attacks appear to be coming from you. Having this control over your network will enable them to mask their own identity. This could create a liability for your business, potentially even involvement in a federal investigation.

Investing in a high-quality firewall is a good start to securing your network, but it is important to understand that firewalls are not threat-free. Having the best lock on your front door does not necessarily mean you will never be robbed. Likewise, having the best firewall does not automatically mean you will never be a victim of a hacker attack. It simply means that a hacker only has one thing to break to gain access to your entire network.

Hackers are discovering new vulnerabilities every day. Unfortunately, computer software is so complex that it is nearly impossible to ensure it is completely free of errors. Software vendors will often develop patches to address these errors after they are discovered. However, it is generally up to the user to find the patches and install them on their own computers.
Ten Myths Versus Facts About Network Security

Many people and businesses unknowingly leave their private information readily available to hackers because they subscribe to some common myths about computer and network security. Below are ten myths and the facts to dispel them.

**MYTH**
"I have virus protection software so I am already secure."

**FACT**
Viruses and security threats are two completely different things. Your anti-virus software will not tell you about any of the 2174 security threats for which an FireWallData.com vulnerability assessment will test your network, such as whether your financial or customer records are exposed to the Internet or whether your computer is vulnerable to various hacker attacks.

**MYTH**
"I have a firewall so I don't need to worry about security threats."

**FACT**
Firewalls are great and typically provide a good layer of security. However, firewalls commonly perform services such as port forwarding or network address translation (NAT). It is also surprisingly common for firewalls to be accidentally misconfigured (after all, to err is human). The only way to be sure your network really is secure is to test it. Among the 2174 security threats FireWallData.com tests for, there is an entire category specifically for firewall vulnerabilities.

**MYTH**
"I have nothing to worry about; there are too many computers on the Internet."

**FACT**
People understand the need to lock their homes, roll up their car windows, and guard their purses and wallets. Why? Because if you don't, then sooner or later, you will be a victim. However, people are just starting to be aware that the same is true with their computers and networks. A single hacker can scan thousands of computers looking for ways to access your private information in the time it takes you to eat lunch.

**MYTH**
"I know the security of my network and information is important, but all the solutions are too expensive and/or time consuming."

**FACT**
While it is true that some network security products and services are very expensive and time consuming, FireWall Data is a service specifically designed to be very robust, efficient, and effective, yet still affordable for anyone.

**MYTH**
"I can't do anything about my network's security because I'm not a geek."

**FACT**
While network security is a technical problem, FireWallData.com has gone to great lengths to provide a solution that is comprehensible to non-technical people and geeks alike. You do not have to download, install, or configure anything. This document has a Business Analysis Report with everything explained in plain English and plenty of charts, graphs, and overviews. That report is specifically written for non-technical business people.

**MYTH**
"I know what is running on my computer and I am sure that it is secure."

**FACT**
Only 2% of networks receive a perfect score on a FireWallData.com security scan. That means 98% of them have one or more possible security threats or vulnerabilities. These threats could exist in your operating system, the software you run, your router/firewall, or anything else. As part of this document, you also receive a Comparative Security Ranking to let you know how the security of your network compares to all the other networks FireWallData.com has analyzed.

**MYTH**
"I tested my network a few months ago, so I know it is secure."

**FACT**
New security threats and vulnerabilities are discovered daily. FireWallData.com's database of security threats generally grows by 5-10 new vulnerabilities every week. Sometimes, we have even seen more than 80 new security threats crop up in a single month! Just because your network tested well this month, does not mean it will still be secure next month - even if you didn't change anything. Just as you should frequently update your anti-virus software, it is also good practice to analyze your security regularly.

**MYTH**
"Network and computer security is only important for large businesses."

**FACT**
In reality, nothing could be further from the truth. Whether you are a casual SMB or a large enterprise, your computer contains valuable and sensitive information. This could be financial records, passwords, business plans, confidential files, and any other private data. In addition to your private information, it is also important to protect your network from being used in denial of service attacks, as a relay to exploit other systems, as a repository for illegal software or files, and much more.
MYTH "A ‘port scan’ is the same thing as a security analysis scan and some web sites already give me that for nothing."

FACT Actually, a port scan and a security analysis scan are two very different things. In general terms, your computer's Internet connection has 65,535 unique service ports. These ports are used both by software running on your computer and by remote servers sending data to your computer (when you view a web page or check your email). A port scan will simply tell you which service ports are being used on your computer. It does not test any of these ports for security threats nor does it tell you where your network is vulnerable to possible hackers or attacks. When you get a security analysis scan, FireWallData.com not only performs a thorough port scan, but also tests each open port for 2174 possible security threats and vulnerabilities.

MYTH "The best time to deal with network security is when a problem arises."

FACT The best time to deal with network security is right now, before a problem arises and to prevent you from ever becoming a victim. Think about it - the best time to lock the doors in your home is before a robbery occurs. Afterward it is already too late, the damage has been done. This is why it is critical to analyze your network's security now, to find and fix the vulnerabilities before a break-in happens.
Who is FireWallData.com

Traditionally, information security is complex, time consuming, and very expensive for businesses. FireWallData.com works to eliminate all three of those problems. For the first time, robust network and information security services are fast, easy to use, and affordable for every business.

The Good News
Businesses are becoming more aware of the critical importance of security for their computers, networks, confidential records, and electronic assets.

The Bad News
These same businesses are frustrated when they discover that network security products and services are extremely expensive, complex, and unmanageable.

The Result
Many companies’ computer security needs go unattended and their private data and networks remain exposed to hacker attacks.

FireWallData.com, is an automated information security and vulnerability assessment service. The system is fully automated and functions remotely. The customer does not need to download, install, or configure anything. This advanced technology emulates a team of "hackers" using 8327 unique methodologies and techniques to find the security threats, exposed private information, and attack vulnerabilities in any network. This data is then automatically analyzed, and FireWallData.com generates a detailed report that shows how the network could be attacked, what confidential information is exposed, the potential business impact of a hacker incident, and how to fix any security problems.
Definition of Terms

FireWallData.com tested your network for a total of 8327 possible security threats. Each of these tests is classified by both a "family" (the type of security threat or the service that could be attacked) and a "risk factor" (the level of severity of the security threat or the probability that a hacker can exploit the vulnerability). This document also uses some terminology that may be unfamiliar to a non-technical audience. The following information provides an explanation of each family type and risk factor, and also defines some of the technical terminology used in this document.

Security Threats Risk Factors Definitions

High Risk
All security threats which can compromise the integrity of your data, expose your confidential information, be used to take your system(s) off-line, or can be used for denial of service (DoS) attacks are classified as high risk. These types of threats should be addressed first and are typically easy for a hacker to exploit and/or attack.

Medium Risk
Security threats, which can open your system(s) to unauthorized access, expose your data/files/information, or cause certain portions of your network to crash (usually specific applications or services) are considered medium risk. Although usually (but not always) more complex to exploit, these types of threats are also very important to address.

Low Risk
This classification of security threats is used for problems that typically cannot be used independently to gain unauthorized access to your data or compromise your system(s). However, these types of threats are commonly combined with other information to exploit your network.

Other Risk
This classification is used to provide informational data about your system(s). These types of security threats are typically not direct vulnerabilities, but they do expose additional information and data about your network. Hackers usually take this information to help them identify exactly how they will exploit or attack your network.

Security Threat Family Definitions

AIX Local Checks
Local operating system and application level security checks for AIX.

Backdoors
Access to application files, system data, or confidential information.

Cross-Site Scripting
Threats related to improper sanitation of untrusted input in web pages.

DNS Services
Vulnerabilities with domain name servers and configurations.

Database Services
Exploits in database servers, services, and configurations.

Debian Local Checks
Local operating system and application level security checks for Debian.

Denial of Service
Threats of DoS attacks exploits used to launch other DoS attacks.

FTP Services
Vulnerabilities of FTP (file sharing) applications, servers, or services.

Fedora Local Checks
Local operating system and application level security checks for Fedora.

Firewalls, Routers, SNMP
Threats or attack methods related to firewall and router devices and the SNMP protocol.
FreeBSD Local Checks
Local operating system and application level security checks for FreeBSD.

Gentoo Local Checks
Local operating system and application level security checks for Gentoo.

HP-UX Local Checks
Local operating system and application level security checks for HP-UX.

MacOS X Local Checks
Local operating system and application level security checks for MacOS X.

Mail Services
Threats dealing with e-mail server problems or exploits.

Mandrake Local Checks
Local operating system and application level security checks for Mandrake.

Microsoft Bulletins
Local operating system and application level security checks for Microsoft Windows.

Miscellaneous
Various threats and attacks that do not fit into any other family.

Netware
Problems with Netware operating systems, applications, and services.

Peer-To-Peer Services
Threats of exposed private data through file sharing services.

Red Hat Local Checks
Local operating system and application level security checks for Red Hat.

Remote File Access
Unauthorized access to files or data on your systems.

Remote Shell Access
Vulnerability of user or service-level accounts and information.

Service Detection
Tests for services, ports, and versions.

Slackware Local Checks
Local operating system and application level security checks for Slackware.

Solaris Local Checks
Local operating system and application level security checks for Solaris.

SuSE Local Checks
Local operating system and application level security checks for SuSE.

Unix
Problems, exploits, or attack methods related to UNIX systems or common UNIX services.

Web Services
Problems exposed by web servers, configurations, or CGI scripts.

Windows
Problems with Windows operating systems, applications, and services.

Definitions of Other Terminology

ARIN
American Registry of Internet Numbers. This is the primary governing body that regulates Internet IP addresses. Other similar registries include APNIC and RIPE.
CGI
Common Gateway Interface. A standard structure and protocol for running external programs from a web server. For example, a program to process e-commerce credit card purchases would likely use CGI.

CVE / CAN
Common Vulnerabilities and Exposures / CANdidate. A dictionary that tracks information about known network and information security vulnerabilities.

DoS
Denial of Service. DoS is a specific type of network attack which can make servers and/or routers crash and typically results in a network outage.

DNS
Domain Name System/Service. A protocol used on the Internet for translating hostnames into Internet addresses. For example, DNS is the service that would translate www.google.com into the IP address 216.239.57.104. DNS is basically a phone book for the Internet.

Domain Name
Strings of alphanumeric characters used to name/identify computers, networks, and organizations on the Internet. For example, the domain name Wolff Pro is www.wolffpro.net

SAAZScan
The primary service offering which does remote automated hacker vulnerability analysis and security scanning. report.

Exploit
A vulnerability in software or computer configurations that can be used for breaking security or otherwise attacking an Internet host over the network.

Family
The classification system used by FirwallData to determine the general category or type of service affected by a particular security threat. For example, security threats specific to Microsoft Windows systems would be classified in the "Windows" family in the FirewallData.com security threats database.

Fingerprint
To identify by means of a distinctive mark or characteristic. For example, FirwallData uses a fingerprint to remotely identify which services, servers, operating systems, etc... that are running on any network.

Firewall
Any of a number of security schemes that prevent unauthorized users from gaining access to a computer network. Generally, a firewall is a hardware device installed on a network to help protect the network from hackers and attacks.

Google
The most complete Internet search engine. FirewallData uses the Google search engine as part of an Firewall Data.com analysis to look for hacked computers, disclosed passwords, and authentication information.

Hacker
A person who enjoys exploring the details of programmable systems and how to stretch their capabilities, as opposed to most users, who prefer to learn only the minimum necessary. Many times the term is also used to describe a person who breaks into computer systems and/or networks.

Host
See Server.

IP Address
A numerical representation of a computer's address on the Internet.

MTA
Mail Transport Agent. The program running on a server to perform email functions and protocols. For example, when you send an email, your ISP's mail server uses an MTA to process the message.

Nessus
Open source security scanning software used by most security professionals world-wide. FirewallData uses Nessus as a security scanning engine to help with the FirewallData.com service.
Network
An interconnected group of computers and electronic systems. A LAN is an example of a network. The Internet is another (albeit much more complex) example of a network.

Port
A computer's network interface is divided into several channels - each channel is called a "port." A port is used by specific hardware or software components to service requests on a network. For example, web servers typically use port number 80 to accept connections from users' web browsers. Generally, each computer has 65,535 unique ports.

Port Scan
The process of examining a group of ports on a computer to determine which ones are active. A port scan does not identify which applications/services are running on a computer, what any active ports are used for, or any security threats on the computer. It only determines which ports are active.

Protocol
A standard procedure for regulating data transmission between computers. For example, an email server uses a specific set of protocols so that anyone on the Internet can send email to anyone else on the Internet - regardless of which software or ISP either party is using.

Risk Factor
The classification system used by FirewallData to determine the severity or potential impact of a particular security threat. For example, security threats which could expose a company's financial records or customer databases would be considered "High Risk" in the FirewallData.com security threats database.

Security Scan
The process of remotely using various information security methodologies and techniques to audit the level of security for a computer, application, service, and/or network. Also see FirewallData.com.

Security Threat
See Exploit.

Server
A computer that provides some service(s) to other computers that are connected to it via a network. For example, a web server provides web pages to your computer via the Internet.

Service
Work performed, or offered by, a server. For example, a web server offers the service of providing web pages to a web browser.

SSL
Secure Sockets Layer. A protocol designed to provide encrypted secure communications on the Internet. SSL is very commonly used to secure the transmission of e-commerce transactions. However, SSL does not provide any security for data after the initial transmission of the transaction.

TCP/IP
Transmission Control Protocol / Internet Protocol. A suite of data networking and communications protocols for communication between computers, used as a standard for transmitting data over networks and as the basis for standard Internet protocols.

Virus
A rogue computer program that searches out other programs and infects them by embedding a copy of itself in them, so that they become Trojan horses. When these programs are executed, the embedded virus is executed too, thus propagating the infection. This normally happens invisibly to the user.

Vulnerability
See Exploit.

VPN
Virtual Private Network. The use of encryption in the lower protocol layers to provide a secure connection through an otherwise insecure network, typically the Internet.

Whois
An Internet directory service for looking up information on a remote server. Whois is commonly used to lookup information about people, companies, IP addresses, computers, and domain names.
End of Report