SonicWALL Vulnerability Scanning Service User's Guide

A User's Guide for the Network Vulnerability Assessment Service



Contents

2
3
3
4
4
5
6
7
7
8
С
3
7

Limited Warranty

SonicWALL, Inc. warrants that SonicWALL SonicWALL Vulnerability Scanning Service performs in accordance to the accompanying written materials for a period of ninety (90) days from the date of receipt.

SonicWALL Inc.'s and its suppliers' entire liability and your exclusive remedy shall be, at SonicWALL's option, either a) return of the price paid, or b) repair or replacement of the PRODUCT that does not meet SonicWALL's Limited Warranty and which is returned to SonicWALL with a copy of your receipt. This Limited Warranty is void if failure of the PRODUCT has resulted from accident, abuse, or misapplication. Any replacement PRODUCT shall be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer.

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By using this Product, you agree to these limitations of liability.

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No dealer, agent, or employee of SonicWALL is authorized to make any extension or addition to this warranty.

Introduction

While public servers provide an important link to the outside world, they also make an inviting target for hackers. Server operating system and application software vulnerabilities are routinely discovered and addressed with new software updates, but delays in applying updates can give hackers a window of opportunity to strike.

SonicWALL Vulnerability Scanning Service is an automated, web-based service that provides network administrators a "hacker's eye view" of a company's network perimeter, including public servers, routers and gateways. This service examines a network perimeter for security weaknesses on an ongoing basis, reports all vulnerabilities detected, and provides administrators with in-depth, expert guidance to quickly close up any security holes.

The subscription-based service offers vulnerability assessment scans that can scheduled on a regular basis or run on demand when policies change or new equipment is deployed.

SonicWALL Vulnerability Scanning Service is easy to configure using SonicWALL's integrated, Web-based security portal at http://www.mysonicwall.com.

Features and Benefits

- **Comprehensive Vulnerability Assessment** This service checks for more than 730 types of vulnerabilities. It detects operating system security "holes," DNS, HTTP, FTP, SMTP server vulnerabilities, network device vulnerabilities (routers, printers, bridges, switches, etc), TCP/IP port openings and more.
- **Simple to Administer** SonicWALL Vulnerability Scanning Service is easy to use and integrated with SonicWALL Internet security appliances. It's a Web-based service so there is no software to install. You can easily schedule scans and configure the service to fit your needs from your own security portal at www.mysonicwall.com.
- Flexible Reporting Options You can sort reports by risk level and other criteria to allow you prioritize which vulnerabilities to address.
- **Customizable Scheduling** You can schedule security assessment scans periodically or on-demand.
- **State-of-the-Art Updates** Security updates for SonicWALL Vulnerability Scanning Service security are backed by NAI (Network Associates) Labs, a leader in advanced security technology.
- **Instant Expertise** SonicWALL Vulnerability Scanning Service provides expert remedies to fix detected security vulnerabilities.

 Assured Security - This service delivers peace of mind for network administrators as their public servers are checked for security vulnerabilities on an ongoing basis.

Getting Started

Before You Start

Using the Vulnerability Scanning Service requires that you register your SonicWALL Internet Security Appliance at http://www.mysonicwall.com. You can create a user account to activate and manage services for all of your SonicWALL Internet Security Appliances.

Note: For the latest version of this manual and other SonicWALL documentation, go to http://www.sonicwall.com/ products/documentation.html

What is mySonicWALL.com?

mySonicWALL.com delivers a convenient, centralized way to register all your SonicWALL Internet Security Appliances and Security Services. It eliminates the hassle of registering individual SonicWALL appliances and upgrades to streamline the management of all your SonicWALL security services. Instead of registering each SonicWALL product individually, using mySonicWALL.com allows you to have a single user profile where you can manage all you product registrations and security services.

What Can I Do with mySonicWALL.com?

You can use MySonicWALL.com to:

- Register all your SonicWALL appliances and services in one place
- Access firmware and security service updates
- Get SonicWALL alerts on services, firmware, and products
- Check status of your SonicWALL services and upgrades linked to each
 registered SonicWALL Internet security appliance
- Manage (activate, change or delete) your SonicWALL security services
 online

How do I Get Started with mySonicWALL.com?

The first step to using mySonicWALL.com is creating a user account. Go to http://www.mysonicwall.com and follow the instructions for setting up a new user account.

Microsoft[®] Internet Explorer 6.0

Microsoft[®] Internet Explorer 5.x is recommended for viewing your Service Reports. If you are using IE 6.0 as a web browser, you must configure it appropriately using the following steps:

- 1. Open IE 6.0, and select **Tools** from the menu bar, and then select **Internet Options**.
- 2. Select the **Security** tab, and click the **Trusted Sites** icon. Click the **Sites...** button.
- 3. Type the URL <u>https://www.mcafeeasap.com</u> into the **Add this Web site to the zone:** field. Click **Add**, and then **OK**.

Trusted sites	<u>?</u> ×
You can add and remove Web sites from this zone will use the zone's security settings	one. All Web sites
Add this Web site to the zone:	
https://www.mcafeeasap.com	Add
Web sites:	
	Remove
Require server verification (https:) for all sites in thi	s zone
OK	Cancel

If you continue to experience problems with your Vulnerability Scanning Service, contact SonicWALL tech support at <http://techsupport.son-icwall.com/vsstech.html.

Activating the SonicWALL Vulnerability Scanning Service

1. Log into http://www.mysonicwall.com using your username and password.

Note: If you do not have a user account at mysonicwall.com, see the **Before You Start** section of this manual.

2. Click on your SonicWALL Internet Security Appliance and review the list of services.

Service Management	Microsoft Internet	Explorer					
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SONICWALL				HOME	I NEWS I WHERE TO BI	JY I CONTACT US	1
My SonicWALL	My Products	Preferences	Personal Info	Feedback	Tech Support	Help	
	SERVICE MANA	GEMENT					
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LOG OUT							
	DELETE OR TRA	NSFER PRODUC	T CONTRACT				
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Please <u>click here</u> for more information about	APPLICABLE SE	RVICES					
mysonicvall.com.	1. New Firm	ware		D	OWINLOAD		
	2. Content I	ilter			NSTALLED		
	3. VPN Upgr	ade			ACTIVATE 🔎		1.1
	4. VPN Clier	it Upgrade			activate 🗷		
	5. Node Upp	rade			activate 🧭		
	6. <u>Premium</u>	Support			NSTALLED 🧭		
	 Extended 	Warranty			NSTALLED		
	8. <u>Vulnerab</u>	lity Assessment	Service		ACTIVATE 🧭		
			BACK				
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3. Locate the service **SonicWALL Vulnerability Scanning** and click **Activate**. The **Activation** screen is displayed.



4. To activate your subscription, enter the Activation Key located on the back of this manual and review the terms and conditions of the service. Check the I have read and agreed to all of the terms and conditions mentioned above. box, then click Submit. Your Vulnerability Scanning Service is now activated.

Page 6

Status - Vulnerability Scanning Service

After the Vulnerability Scanning Service is activated, the following screen appears.

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Address @ http://10.2.5	100/NAS/NASSI	tus.asp?Product	ID=18&ServiceID	=92&SerialNumb	er=0040100F157	0	-	∂Go
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SONICWALL >	INTERNET SEC	URITY SOLUT	IONS					
My SonicWALL	My Products	Preferences	Personal Info	Feedback	Tech Support	Help		
Logged in: LAP Writer	STATUS - VULN	ERABILITY SCA	NNING SERVICE					
LOG OUT	SERVICE ST	ATUS		NU	MBER OF SCANS			
	1. Total				96			
Please click have for	2. Complete	d			0			
more information about	4. Remainin	a			75			
mysonicvan.com.								
	EXECUTION	STATUS	d. clining and a start	C				
Mu Familaaa	no scriedules	nave been creat	to, click the con	ingure button to i	contigure a scan			
Ply Services	p. o. no i							
Schedule	LAST 10 CO	IPLETED SCANS						
	1. Apr 25, 2	001 at 12 PM (GN	T-08:00)					
Report	3. Apr 25, 2	001 at 2 PM (GMI	-00:00)					
	4. Apr 25, 2	001 at 4 PM (GMT	-08:00)					
Status	5. Apr 26, 2	001 at 2 PM (GMT	-08:00)					
	6- Apr 26, 2	001 at 4 PM (GMT	-08:00)					
Renew	7. Apr 27, 2	001 at 2 PM (GMT	-08:00)					
	8. Apr 27, 2	001 at 4 PM (GMT	-08:00)					
	 Apr 28, 2 Apr 28, 2 	001 at 2 PM (GMI	-08:00)					
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		Copyrig	ht 2001 SonicWAL	t.				-
41 					J	internet		11.

The Navigation Bar

The Navigation bar located on the left side of the window allows you to perform the following functions:

- My Services My Services allows you to display another service for your Internet security appliance.
- Schedule Schedule displays your list of Profile Names and you can add additional profiles in this view.
- Report Report displays the Vulnerability Scan Report list for your Profile Names.
- Status Selecting Status displays the Service Status, Execution Status, and the last 10 completed scans of your network.
- **Renew** To renew your scanning service, click **Renew** and type in your Activation key.

Creating Scanning Profiles

- 1. Log into **http://www.mysonicwall.com** using your username and password. Click on the product name on which you have activated the Vulnerability Scanning Service.
- Click on Vulnerability Scanning Service. The Status screen is displayed in the browser window. Click Schedule to begin scheduling IP addresses for vulnerability scanning. The following screen is displayed:



 This screen displays all profiles that have been previously configured. To add profiles to the Schedules section, click Add located in the navigation bar. The Add a New Profile screen is displayed as shown below:

🕘 NetScan Sch	nedules - Microsoft Internet Explorer	_ & ×
] Eile Edit ⊻iew	Favorites Tools Help	10
] ⇔Back → » Ad	dress 🖻 http://167.216.147.204/NAS/ModifyNASProfile.asp	▼ @Go
SONICWALL	NOME INEWS I WHERE TO BUT I CONTACT US	<u>*</u>
My SonicWALL	My Products Preferences Personal Info Feedback Tech Support Help	
Logged in: LAP_Writer Los out Please dick here for more information about mysoniceall.com.	Profiles - Valorzability Scanning Service Add New Profile Profile Name Profile Name Date: Name: Date: Name:	
Ny Services Schedule Report	Prequency: Outsterly Use of IP Addresses Phase specify all IP Addresses IP Addres	
Status Renew		

- 4. Create a name for the profile such as "Server Group", "Remote Server Group", "San Francisco Network", by typing the name into the **Profile Name** box.
- 5. Select the date of the first scan for this profile using the **Date** menu boxes.
- 6. Select the time of the scan using the **Time** and **Time Zone** menus.
- 7. Select the **Frequency** of scanning for this profile.
- Enter one or more IP addresses in the IP Address field. IP addresses can be added as a single address, a group of addresses, or as a range of addresses. Groups of IP addresses must have semi-colons separating the addresses. For instance, a group of addresses can be entered as follows: 172.172.172.172.172.172.100. Or, 172.172.172.2-6;172.172.172.100.

Note: The IP address to be scanned must be a public, routable address for the scanning service to be able to scan for vulnerabilities.Private addresses such as 192.168.168.168 and 10.0.0.1 should not be entered in a profile for scanning.

9. Click **Save** to store the profile or click **Cancel** to discard the profile.

Scheduled Vulnerability Scanning Service Notification

From the **Profile Summary** screen, you can submit a profile for a vulnerability scan at anytime by clicking **Scan Now**.

Note: You can also click on the **Profile Name** and select **Scan Now** from **Modify Profile** screen.

File Edit View	Favorites	Tools Help	rternet Expl	orer				
⇔Back ▼ " Ad	dress 🗐 http	0://167.216.14	7.204/NAS/NAS	Profiles.as	o 7MODE = ADD&	ProductID=188	SerialNumber=0040100F15	(de Go
SONICWALL				в	OME I NEWS I WHERE TO	BUY I CONTACT US		-
My SonicWALL	My Products	Preferences	Personal Info	Feedback	Tech Support	Help		
Logged in: LAB. Weiter	Schedules - V	ulnerability Sca	nning Service					
Logged III. EAF_WITCH	From this s	ection, you can ade	d/manage your sch	edules.				
LOG OUT	List of Sch	nedules						
	1. <u>∀S</u>	<u>s</u>	SCAN N	ow	DELETE 🕺			
Please <u>click here</u> for more information about	2. <u>Ple</u>	asanton Firewall	SCAN N	ow	DELETE 🙁			
mysonicwall.com.			ADD BA	ск				
My Services								
f chadula								
schedule								
Report								
Status								
Renew								

After clicking **Scan Now**, a confirmation screen is displayed. Click **Continue** to submit the **Scan Profile**.

NetScan Sta	tus - Microsoft Internet Explorer	_ & X
Eile Edit View	Favorites Icols Help	
] ⇔Back ▼ " Add	Iress 🖻 http://167.216.147.204/NAS/NASOnDemand.asp	<u>▼</u> ¢Go
SONICWALL		*
My SonicWALL	My Products Preferences Personal Info Feedback Tech Support Help	
Logged in: LAP_Writer	SCAN CONFIRMATION	
LOS OUT	Scan Profile Vetalis Profile Name: VSS Date: May 4,2001	
Please <u>did. here_</u> for more information about mysonicxall.com.	Time: 5 PM Time Zone: (GMT-08:00)Pacific Time(US & Canada);Tijuana Frequency: Daily	
	List of IP Addresses 167.216.147.204	
My Services	Click Continue if you want to schedule this scan "Now" regardless of the Scan Time and Frequency already been configured.	
Schedule	CONTINUE CANCEL	
Report Status		
Renew		
		-

The **Scan Profile** is submitted for scanning and the following screen is displayed.

🐴 NetScan Sch	edules - Microsoft Internet Explorer	
j Eile Edit ⊻iew	Favorites Iools Help	35)
] ⇔Back ▼ " Ad	dress 🖻 /NASProfiles.asp?ProductID=18&ServiceID=92&SerialNumber=0040100F15	70&STATUS=ONDEMAND 🔽 🔗 Go
SONICWALL	HOME I NEWS I WHERE TO BUY I CONTACT US	<u>*</u>
My SonicWALL	My Products Preferences Personal Info Feedback Tech Support Help	
Logged in: LAP_Writer	Schedules - Yulnerability Scanning Service Schedule has been submitted. From this section, vou can add/manage vour schedules.	
Please <u>click here f</u> or more information about mysonicvall.com.	List of Schedules 1. <u>VSS</u> SCAN NOW DELETE SCAN NOW 2. Pleasantum Firewall SCAN NOW DELETE SCAN	
My Services	A00 BACK	
Schedule Report		
Status Renew		
		-

The **Vulnerability Scanning Service** scans the IP address within the next four hours and notifies you when your scan report is ready. After a scan profile is submitted for execution, using either **Scan Now** or a scheduled scan, an e-mail message is generated for the following events:

- A vulnerability scan is pending
- A vulnerability scan is completed.

Samples of the e-mail messages are shown below.



SonicWALL Vulnerability Scanning Report - Message (Plain Text)	_ 0 ×
Ele Edit View Insert Format Icols Actions Help	
🗴 🖉 🖉 🖓 Reply to Al 📢 Forward 🖹 😰 🐥	IU ■ ■ ■ ■ 目目 ∉ •
From: nas@sonicwal.com	Sent: Fri 5/4/2001 2:13 PM
To:	
Co	
Subject: SonicWALL Vulnerability Scanning Report	
Dear	Z
Thank you for using the Vulnerability Scanning Service from SonicUALL.	
Your report is ready to be viewed. To securely access the report,	
please login to: <u>https://www.mysonicwall.com</u>	
Sincerely	
SonicUALL Customer Care	
If you have any problems or questions, please contact us at	
https://www.mysonicwall.com	
	×

Viewing Vulnerability Scanning Service Reports

To view scan reports, log back into www.mysonicwall.com and view the **Status** page again. The **Status** window is displayed below:

ALL ALL	race [4] http://167.216.147	204 MIAC MIACCEsture sero 20rodi vHD = 198 Cori-	MM umbor =0040	100E15708.ConvicoID	80
	1035 P21100.7/107.210.147.	204/14A5/14A55tatus:asp1F1000cttD=1085818	air (dimber =0040		
ONICWALL			CONTACT US		
My SonicWALL	My Products Preferences	Personal Info Feedback Tech Support	Help		
	STATUS - Vulnerability Scappin	a Service			
ged in: LAP_Writer		g service			
LOG OUT	Service Status	Number of Scans			
	1. Total	96			
	2. Completed	29			
lease <u>click here</u> for	3. Scheduled	0			
mysonicwall.com.	4. Remaining	67			
	Free subline Obstan				
	Schedule Name	Next Execution Date			
	1. VSS	May 7, 2001 at 12 PM (GMT-08:00)			
	2. VSS	Pending			
My Services	3. Pleasanton Firewall	May 14, 2001 at 11 AM (GMT-08:00)			
Schedule	Last 10 completed scaps				
	 Laura"s Test 	Apr 25, 2001 at 12 PM (GMT-08:00)			
Report	2. Laura''s Test	Apr 25, 2001 at 2 PM (GMT-08:00)			
	3. Remote Server Config	Apr 25, 2001 at 3 PM (GMT-08:00)			
Status	4. Remote Server Config	Apr 25, 2001 at 4 PM (GMT-08:00)			
	5. Laura''s Test	Apr 26, 2001 at 2 PM (GMT-08:00)			
Renew	6. Remote Server Config	Apr 26, 2001 at 4 PM (GMT-08:00)			
	Laura''s Test	Apr 27, 2001 at 2 PM (GMT-08:00)			
	8. Remote Server Config	Apr 27, 2001 at 4 PM (GMT-08:00)			
	9. Laura''s Test	Apr 28, 2001 at 2 PM (GMT-08:00)			
	10. Remote Server Config	Apr 28, 2001 at 4 PM (GMT-08:00)			

Microsoft[®] Internet Explorer 5.x is recommended for viewing your Service Reports. If you are using IE 6.0 as a web browser, you must configure it appropriately using the following steps:

- 1. Open IE 6.0, and select **Tools** from the menu bar, and then select **Internet Options**.
- 2. Select the **Security** tab, and click the **Trusted Sites** icon. Click the **Sites...** button.
- 3. Type the URL <u>https://www.mcafeeasap.com</u> into the **Add this Web site to the zone:** field. Click **Add**, and then **OK**.

Trusted sites	? ×
You can add and remove Web sites from this zo in this zone will use the zone's security settings	ne. All Web sites
Add this Web site to the zone:	
https://www.mcafeeasap.com	Add
Web sites:	
	Remove
₩ Require gerver verification (https:) for all sites in this	zone
ОК	Cancel

If you continue to experience problems with your Vulnerability Scanning Service, contact SonicWALL tech support at http://techsupport.sonicwall.com/vsstech.html.

Click **Report** in the navigation bar of the **Vulnerability Assessment Service** window. A **Report** screen appears with the three types of reports: by **Report Sorted by Scan Sessions**, **Vulnerabilities Across IP Addresses**, and **Report Sorted by IP Address**.

Service Report	ort - Microsoft Internet Explorer	_ & ×
j Eile Edit ⊻iew	Favorites Icols Help	100 U
] ⇔Back ▼ "] Add	dress 🖻 tp://167.216.147.204/Report/Report.asp?ProductID=18&SerialNumber=0040:	100F1570&ServiceID=92 💌 🔗 Go
SONICWALL	HOME I NEWS I WHERE TO BUY I CONTACT US	
My SonicWALL	My Products Preferences Personal Info Feedback Tech Support Help	
Logged in: LAP_Writer	Vulnerability Report	
LOG OUT	To better manage your security, SonicWALL Vulnerability Scanning Report is now available in two viewing optio Scan Session and Report Sorted by IP Address. In addition, from the Report Sorted by IP Address viewing opt Differential Report by Scan Session to view reporting differences between two chosen scan dates.	
Please <u>click here</u> for more information about mysonicvall.com.	⊛- Report Sorted by Scan Session	
	Vulnerabilities Across IP Addresses	
	⊞- Report Sorted by IP Address	
My Services		
Schedule		
Report		
Chattan .		
status		
Renew		
	<	
	copyright 2001 Somewalt.	

Reports Sorted by Scan Sessions

Reports Sorted by Scan Sessions lists the vulnerability scans by the date an IP address is scanned. To view a report, click on the **Scan Session** to be reviewed and then the IP address of the computer.



Reports can be viewed as **Vulnerabilities Across IP Addresses**. The report lists the IP address scanned, vulnerabilities according to High, Medium, or Low Risks, and the date of the last scan. An example report is displayed below:

	, - +		,					-
ONICWALL					HOMETNEWSTWHERE	TO BUY I CONTACT US		
My SonicWALL	My Products	Preferences	Personal Inf	o Feedba	tk Tech Suppor	rt Help		
iged in: LAP_Writer	Vulnerabilities A	cross IP Addres	ses					
LOG OUT								
	By clicking on an	IP address belo	w, you'll receive	detailed reportir	g on the last scan pe	rformed across IP Ad	dr	
lease click here for	Vulnerability Scar complexity, ease	ning Service. Vu of fix, impact, po	Inerability inform pularity and root	nation available cause. Summa	anges from types of y reports on the reso	vulnerabilites found b lution of each vulnera	bil	
re information about mysonicvall.com.	available.							
	ID Address	High Risk	Medium Risk	Low Risk	Last Case Time			
	IP Address	Vulnerabilities	Vulnerabilities	Vulnerabilities	Last Scan Time			
My Services	167.216.147.204	0	0	5	May 7 2001 1:26PM			
, if our record	102.100.100.1	0	2	9	May 3 2001 4:14PM			
Schedule		0	0	0	May 7 2001 1:38PM			
Denest								
Keport								
Status								
Renew								

Reports Sorted By IP Address

By selecting one of the IP addresses in the IP Address list, you can view a vulnerability report for that IP address. Select an IP address to display the report.

									_
SONICWALL									
My SonicWALL	My Products	Preferences	Personal Info	Feedback	Tech Support	Help			
ogged in: LAP Writer	Deports for Sci	an nerformed on	5/7/04 4-26-04 DM			-	<u>^</u>		
	reporta for ou	an periorned on	37701 1.20.01 P.M.						
LOG OUT			Vu	Inerabilities Four	nd				
	SonicWALL Vu	Inerability Scanni	ng Service scanned	IP Address 167.3	216.147.204 and foun	d a total of 5 v			
Please click here for	High Risk Vuln	erabilities							
nore information about mysonicwall.com.	The scan found	d 0 high risk vuln	erabilities.						
	Medium Nisk Vuinerabilities The scan found 9 medium rick vulnerabilities								
	Low Risk Vuln	erabilities	differ abilitie a.						
	The scan found	5 low risk vulne	rabilities.						
My Services									
				Detail Reports					
Schedule	Graphical Surr	mary Report							
	Report Sorted	By Risk Factor							
Report	Report Sorted	By Complexity							
Status	Report Sorted	By Impact							
Jacus	Report Sorted	By Popularity							
Renew	Report Sorted	By Root Cause							
	_		Differentia	Deport D. Com	Cassion				
	Select two diff	erent dates for t	binerentia he differential repo	t of IP Address 1	150551011	1			
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	Scan Data Onr	Select Scan	Date T Scan F	sato Turo: Selec	t Scan Date				
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	<					•			
		Copyri	pht 2001 SonicWALL	_					

Differential Report by Scan Session

You may also view Vulnerability Reports by choosing separate scan sessions to compare data. By selecting a range of dates, the report displays any new vulnerabilities that may result from any network administration, maintenance, or upgrades over a period of time. After selecting a range of dates, click **Differential Report by Scan Session** to review the report.



Vulnerability Report Output

If vulnerabilities are found by **SonicWALL Vulnerability Scanning Service**, a report is generated with the number vulnerabilities and the risk level of each vulnerability. The **Vulnerability Report** also lists several ways of viewing the report in detail:

- Graphical Summary Report
- Report Sorted by Risk Factor
- Report Sorted by Complexity
- Report Sorted by Ease of Fix
- Report Sorted by Impact
- Report Sorted by Popularity
- Report Sorted by Root Cause

A sample Vulnerability Report is show below:



Graphical Summary Report

The **Graphical Summary Report** displays the number of vulnerabilities found during an IP address scan in a graphical format.

Report Sorted By Risk Factor

The risk levels of vulnerabilities are sorted by Low, Medium, and High Risk.

Report Sorted by Complexity

Complexity describes the difficulty involved of exploiting a vulnerability.Some attacks against computer systems are more complicated than others; exploiting a vulnerability in a WWW CGI program may involve merely inserting a "magic" character in a form field, while other attacks may require a carefully coordinated series of interactions with obscure network services. Unfortunately, the complexity of an attack has more of an effect on the likelihood of it being defended, rather than the likelihood of an attacker using it as the attacker is probably wielding an arsenal of complex attacks to leverage against a computer system. Ironically, complex attacks are the most popular with hackers.

The **Vulnerability Scanning Service Report** sorts vulnerabilities by **Low**, **Medium**, and **High Complexity**. Each category is explained in the report.

Report Sorted by Ease of Fix

Ease of Fix describes the simplicity of a vulnerability fix. When faced with a large number of serious vulnerabilities, it is important that security problems be solved as efficiently as possible. Because some problems are easier to solve than others, quickly addressing the easy problems first may rapidly increase the security of a vulnerable system. Other fixes may pose the risk of disrupting services and require careful scheduling to resolve.

The report is sorted by the following categories: **Trivial**, **Simple**, **Moderate**, **Difficult**, and **Infeasible**. Each category is explained in the report.

Report Sorted by Impact

Impact describes the specific threat posed by a vulnerability. A security problem in a computer system can pose many different risks. Some problems are more serious than others. While all problems should be considered in an audit, it is more important that the most serious and farreaching vulnerabilities be addressed before the minor ones. SonicWALL Vulnerability Scanning Service breaks down the implications of a vulnerability into several different categories. Each category represents an aspect of a computer system threatened by a security vulnerability. The report is sorted by these categories: **System Integrity**, **Confiden-tiality**, **Availability**, **Accountability**, **Authorization**, **Data Integrity**, and **Intelligence**.

Report Sorted by Popularity

Popularity describes the likelihood that a vulnerability can be exploited. It is important to understand that all attackers are not equally capable. The presence of vulnerabilities is not a strong indicator that a system has been compromised. However, the presence of well-known, widely exploited problems may be cause for immediate concern.

The report is sorted by these categories: **Obscure**, **Widespread**, and **Popular**.

Report Sorted by Root Cause

Root Cause describes the underlying cause of vulnerability. Many security problems can be avoided, proactively, by maintaining security awareness in the planning and design stages of network engineering. Others may be the result of poor operational practice such as a lack of focus on network security. Identifying the root cause of vulnerabilities in a network allows patterns of vulnerability to be identified.

The report is sorted by these categories: **Misconfiguration**, **Software Implementation Problems**, and **Insecure Design**.

Page 20

Activation Key



SonicWALL, Inc. 1160 Bordeaux Dr. Sunnyvale, CA 94089-1209 Phone: 408-745-9600 Fax: 408-745-9300 Email: sales@sonicwall.com Web: www.sonicwall.com

Part # 232-000130-00 Rev B 6/01