

CastleGarde NetAudit User Guide

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Introduction

This User Guide is for CastleGarde NetAudit

CastleGarde provides On-Demand, a suite of Penetration Testing tools designed to be used by the Client to test many common Internal Vulnerabilities at their respective organizations. The Windows based client interface provides an "On-Demand" scanning feature in order to validate a secure environment when changes are made to the network. The software and tools utilized by the CastleGarde NetAudit environment are supplied, managed, and maintained by CastleGarde remotely; so you can be sure that you're using the most up to date industry proven tools when assessing you're internal network.

Installation

- Download the latest CastleGarde NetAudit Client from http://netaudit.castlegarde.com/
- Install it step-by-step basing on the installation wizard.

Getting Started

Login

Using your credential to login

Connect To Server	NetAudit
Connect To	192.168.109.15
User Name	chris •
Password	Cancel Connect

Create and Run

Create a new session utilizing the Sessions tab, use the New button. This will create a new entry in the Sessions list with an auto generated name (Unnamed 65 for this one example), it would be selected (highlighted) automatically.

VetAudit 4	_ 🗆 💌 📈
∓	
Start Page 🕱 Sessions Parameters Hosts Result Compare	
+ x 5 > = x 🗘 🛛	
New Delete Rename Run Stop Delete Schedule Active	
Sessions Scans Schedule Hosts	
Sessions Scan Details	
Name Parameter Created LastModified A Hosts Errors	
Unnamed 62 Standard 4/29/2013 5:04 AM 04/29/2013	
Unnamed 63 Standard 5/27/2013 12:35 PM 05/27/2013	
Unnamed 64 Standard 5/27/2013 12:43 PM 05/27/2013	
Unnamed 65 5/27/2013 12:46 PM 05/27/2013	
Ť	
Scans	
Created Started Finished State Progress	

Click the **Parameters** tab and select the **Standard** parameter in the left panel, then click Use button. This will automatically assign the Default set of tests to this **Session**.

_] .		
Start Page 🗶 Se	ssions Parameters Hosts Result Compare	re
Use Save Export Import Parameter		Restore eference And Options
Parameter Templates Name Normal Quick Standard Host Discovery	NVTs Options Preferences [□] MacOS X Local Security Checks (282) [□] [□] MacOS X Local Security Checks (282) [□] [□] Gain a shell remotely (241) [□] [□] [□] Gain a shell remotely (241) [□]	Content

Click the **Hosts** tab. Select the **From-To** button (between the CIDR and Wildcard options) to allow a range of IPs to be entered.

- a. Enter a small range of IPs that you want to scan for a test, like 192.168.1.1 to 192.168.1.20
- b. Click the Add button to take the entered IP range and add it to the Include list of IPs.

NetAudit 4			
Start Page 🗷 Sessions Parameters	Hosts Result Compare		
Single Mask CIDR From Wildcard URL To IP Entry Format	Add Exclude Change Delete Clear		
- Input IP	ro IP: 192 - 168 - 1 - 20	 Validation Result From IP :192.168.1.1 To IP :192.168.1.20 IP Count :20 Overlay With :192.168 	.1.1-192.168.1.20
Include Count Type Single Notation Count Type Single 192.168.1.1-192.168.1.20 20 From To		Base	Mask
Exclude			
Notation Count Type Single Fr	om To f	Base Mask	CIDR Wildcard

Click the **Session** tab and Click the **Run** button. This action will add the required items from the prior step to this **Session** and will also enable the **Run** button.

	Result	Compare					
+ × 🗉 🕑 🗉 × 🔞 🙂							
New Delete Rename Run Stop Delete Schedule Activ	ve						
Sessions Scans Schedule Hos	sts						
Sessions		Scan Details					
Name Parameter Created LastModified		Hosts Errors					
Unnamed 62 Standard 4/29/2013 5:04 AM 04/29/2013		IP	FQDN DNS MacAddress			-	ledium
Unnamed 63 Standard 5/27/2013 12:35 PM 05/27/2013		192.168.1.1		8			
Unnamed 64 Standard 5/27/2013 12:43 PM 05/27/2013		192.168.1.2			0	0	
Unnamed 65 Standard 5/27/2013 12:46 PM 05/27/2013		192.168.1.3		-6			
V	r	192.168.1.4					
Scans		192.168.1.5		6			
Created Started Finished State Progress		192.168.1.6					
05/27/2013 12:53 PM Scanning 0 %		192.168.1.7					
		192.168.1.8			0		
		192.168.1.9		-			
		192.168.1.10		-			

Note: The scan can take 20 minutes to multiple hours depending on how may IP addresses are entered, network load and target (host) configuration. You can shut down the client and reconnect later to see the progress.

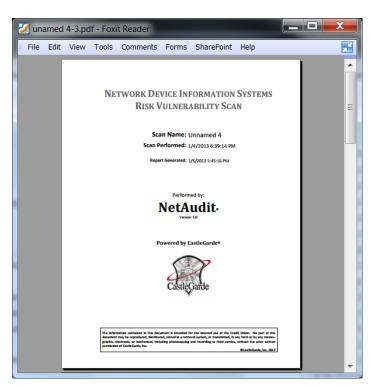
View Result

Select the **Session** and **Scan** you're working with. Click the **Result** tab to get the summary and review the summary information.

Start Page 🛛 Sessions Paran	neters	Advanced	Hos	ts	Result	Compare Admin	istration
Image: Constraint of the second sec	Batch Fix	Fix Ex	port DF				
Group 192.168.109.9 (52)		nerabilities IP	Risk	Port	Protocal	NVT Family	NVT Name
 None (24) Critical (4) 		192.168.109.9	None	8834	tcp	Service detection	Remote listeners enumeration (Linux / AIX)
 tcp (4) Gain a shell remotely (2) 		192.168.109.9	None	22	tcp	General	Backported Security Patch Detection (SSH)
A system shell on the remc		192.168.109.9	Critical	22	tcp	Gain a shell remotely	Bash Remote Code Execution (Shellshock) (CVE-2014-6277 / 0
Debian Local Security Checks Low (5)		192.168.109.9	Critical	22	tcp	Gain a shell remotely	Bash Remote Code Execution (Shellshock)
▲ Medium (14)		192.168.109.9	None	22	tcp	Service detection	Remote listeners enumeration (Linux / AIX)
 ▶ tcp (14) ▲ High (5) 		192.168.109.9	None	22	tcp	General	SFTP Supported
 tcp (5) Debian Local Security Checks 		192.168.109.9	Low	22	tcp	Misc.	SSH Weak MAC Algorithms Enabled
The remote Debian host is		192.168.109.9	Low	22	tcp	Misc.	SSH Server CBC Mode Ciphers Enabled
		192.168.109.9	None	22	tcp	Misc.	SSH Algorithms and Languages Supported
		192.168.109.9	None	22	tcp	General	SSH Protocol Versions Supported
		192.168.109.9	None	22	tcp	Service detection	SSH Server Type and Version Information
		192.168.109.9	None	22	tcp	Service detection	Service Detection

Export Report

Generate a PDF with the **Export PDF** button as shown on the prior page.





Tips

To change the name of the **Session**: At creation, the **Session** will be assigned an auto-generated name, such as "Unnamed nn", to change it to a more meaningful name, just press the **Rename** button to change it.

How to Use the Quick Scan Wizard

Select (click) the **Start Page** tab; click the **Quick Scan Wizard** link. This will begin processing through the **Quick Scan Wizard**.

🔽 NetAudit 4						X
Start Page	× Sessions	Parameters	Hosts	Result	Compare	
	_				_	
Quick Start						Â
For a quick scan	it will use recom	nanded setting Q	uick Scan	<u>Wizard</u>		
						Ψ.

You will be ushered automatically to the **Hosts** tab, please select the **From-To** button (between the CIDR and Wildcard options) to allow a range of IPs to be entered.

- a. Enter a small range of IPs you want to scan for a test, like 192.168.1.1 to 192.168.1.20
- b. Click the Add button to take the entered IP range and add it to the Include list of IPs.

=				
Start Page 🕱 Sessions Paramet	rs Hosts Result Compare			
Single Mask CIDR From Wildcard UF To IP Entry Format		Clear Quick Run		
From IP : 192 · 168 · 1 · 1	To IP : 192 · 168 · 1	• 20	ation Result	
Notation :192.16	.1.1-192.168.1.20	* (IP Count :20 Overlay With :192.168.	1.1-192.168.1.20
Include				
Notation Count Type Sir	gle From	То	Base	Mask
► 192.168.1.1-192.168.1.20 20 FromTo	192.168.1.1	192.168.1.20		
Exclude Notation Count Type Single	From To	Base	Mask	CIDR Wildcard

Click **Run** (glowing). You will get a message and be ushered automatically to the **Sessions** tab; the Session and Scan which the system creates for you is then started and highlighted.

Start Page X Sessions Parameter						
Start Page Sessions Paramete		lt Compare				
± X 🗉 🕨 = X	00					
New Delete Rename Run Stop Delete	Schedule Active					
Sessions Scans	Schedule Hosts					
Sessions	Scan Details					
Name Parameter Created	Hosts Errors					
Unnamed 61 Quick 4/29/2013 3:41 /	IP	FQDN DNS MacAddress Statu	s OS Ports	High Me	dium Low	
Unnamed 62 Standard 4/29/2013 5:04 /	192.168.1.1			0	0 0	
Unnamed 63 Standard 5/27/2013 12:35	192.168.1.2					
• Unnamed 64 Standard 5/27/2013 12:43	192.168.1.3					
	192.168.1.4	-				
cans	192.168.1.5	-		0	0 0	
Created Started Finished State P	192.168.1.6					
05/27/2013 12:44 PM Scanning	192.168.1.7		0	0	0 0	
Solution and a solution of the						
	192.168.1.8					
	192.168.1.9	-				
		-				

Note: The scan can take 20 minutes to multiple hours depending on how may IP addresses are entered, network load and target (host) configuration. You can shut down the client and reconnect later to see the progress.

Select the **Session** and **Scan** you're working with, Click the **Result** tab to get a summary and review the summary information.

Generate a PDF with the **Export PDF** button.

Note

Ignore Scheduling scans until you get a few On-Demand (Run it now) working and feel comfortable with the tool.

How to Schedule a Scan

Select a **Session** in the **Session** tab. For example and as represented in the following screenshot, we select the third session, the Unnamed 7.

NetAudit 4		herepeak					
<u></u>							
Start Page	Sessions	Parameter Advanced	l Hosts	Result	Administration	n (0 /4)	
+ × 5	i 🕨 🔳	× 🗘					
New Delete Rena	me Run Stop	Delete Schedule					
Sessions	Scans	Schedule					
Sessions				8	Details		
Name	Parameter	Created L	astModified	Hos	ts Errors		
Unnamed 4	quick	1/4/2013 6:07 P 0	1/04/2013				
Unnamed 6	quick	1/4/2013 11:32 0	1/04/2013				
Unnamed 7	standard	1/5/2013 6:26 P 0	1/05/2013				
Unnamed 8	standard	1/9/2013 4:12 A 0	1/09/2013				
Scans							
	tarted Finishe	d State	Progress				
01/05/2013 0	6:26 PM 06:30	PM Finished					
01/05/2013 0	6:33 PM 06:37	PM Finished					
01/09/2013 0	2:59 AM 03:02	AM Finished					
rrent Session : Unna	amed 7						Server Status :

Select or Edit the scan parameter thru the Parameter tab, and add target IP ranges in the Hosts tab.

Switch to **Sessions** tab, click **Schedule** button, you will see a dialog as depicted by the following screenshot.

Once 1/9/20	013 4:05:36 AM	
Description		
Repeat Mode	Once 🔹	
Starts on	Wednesday, January 09, 2013 🗨 💌 Ends o	n Wednesday, January 09, 2013 💌 💌
		CANCEL DONE

Using this dialog, we can **edit/schedule** for selected session. In the **Description** textbox, we can add a descriptive message for this specific schedule.

Repeat Mode

Schedule can be set as run once or recurrently by utilizing the Repeat Mode.

Once

Runs only one time.

Once 1/9/20	013 10:	:00:	00	PM	I						
Description											
Repeat Mode	Once							•			
Starts on	Wednesday, January 09, 2013 🗬					013 🖨	•	Ends	on	Thursday, January 10, 2013 12	
	•	1	Janu	ary,	201	5	•				
	Su	Мо	Tu	We	Th	Fr	Sa				
	28	29	30	31	1	2	3				
	4	5 12	6 13	7 14	8 15	9 16	10 17				
	18	19	20	21	22	23	24				CANCEL
	25	26 2	27 3	28	29 5	30 6	31 7				
		2	3	4	Э	0	/				
				10	0:00	PM	•				
	7:00 P	M				4		_			
	8:00 P	м									
	9:00 P	м									
	10:00	PM									

To set the **Start** or **End** time of schedule, please click the drop down arrow of time selection control.

Day

Day 1/9/20	13 4:05:36 AM		
Description			
Repeat Mode	Day 🗸		
Starts on	Wednesday, January 09, 2013 🗨 💌	Ends on	Wednesday, January 09, 2013 🗨 💌
Repeat Every	1 Days		
			CANCEL DONE

Repeat the schedule in **Day** mode. For example, we selected this **repeat mode**, set start time at 10:00 PM January 9, and set "**Repeat Every**" to 1. The schedule will run now at 10:00 PM every day. As another example, we can set "**Repeat Every**" to 3 and kept the other setting the same as the previous example. The **schedule** will now run at 10:00 PM every 3rd day starting on January 9.

Week

Week 1/9/2	013 4:05:36 AM	
Description		
Repeat Mode	Week	
Starts on	Wednesday, January 09, 2013 🗨 🔹 Ends on Wednesday, January 09, 2013 🗬 🗸	
Repeat Every	Sun V Mon Tue Wed Thur V Fri Sat	
	CANCEL	IE

Repeat the schedule in **Repeat Mode "Week".** Set start time at 10:00 PM January 9, check "**Mon**" and "**Fri**", set **Repeat Every** to 2, so the **schedule** will run at 10:00 PM on Monday and Friday, every 2 weeks starting on January 9th.

Month

Month 1/9/	2013 4:05:36 AM	
Description		
Repeat Mode	Month	
Starts on	Wednesday, January 09, 2013 💽 🖌 Ends on	Wednesday, January 09, 2013 🗨 👻
Repeat Every	Day of Month Week of Month Months	
		CANCEL DONE

Repeat the schedule in **month** mode, for example, we select this repeat mode, set start time at 10:00 PM Jan 9, set **repeat every** to 1, so the schedule will run at 10:00 PM of 9th day of every month.

Click **Done** button will save the editing schedule.

Tips

Note

1. After we add **schedule** to **session**, the session will be run at the scheduled time span automatically.

2. If we need change the **schedule**, reopen the dialog to edit it more.

3. For any **session**, maximum 1 scheduling gets running per day.

Index

Sesson 1,2,3,4,5,6,7,8,9, Scan 1,2,3,4,5,6,7,8,9, Schedule, 7,8,9 Parameter, 1,2,3,4,5,6,7,8,9