CONFIDENTIAL

<u>Intrusion Report</u> for CDC

Iowa State University TEAM 5

VERSION 12:00PM

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Executive Summary

The purpose of Intrusion Reports is to inform White Team of any detected intrusion attempts. Detailed in this document is descriptions of all attempted attacks/hacks/intrusions on any of our servers within our network. Screenshots and raw log data pertaining to any abnormalities will be complemented with explanations. Steps taken to mitigate attacks, if determined that an attack is imminent, occurring, or passed will be highlighted in this document.

Server Reporting

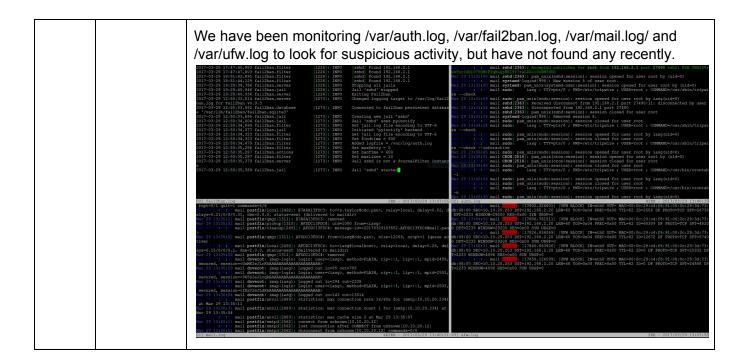
Firewall Server Report (Reporter: Stefan)

Time	Event	Description and evidence		
	N/A	Nothing to report We did not see much activity in the firewall logs against the firewall server itself. We did see the red team attempt to access protected directories as well as scan for potential vulnerabilities on our servers.		

2017-04-01 15:07:43	2	TCP	Attempted Information Leak	10.10.20.238 Q ⊞	52435	10.0.50.70 Q ⊕	5818	1:2002910 X	ET SCAN Potential VNC Scan 5800-5820
2017-04-01 15:07:42	2	TCP	Attempted Information Leak	10.10.20.238 Q ⊞	51907	10.0.50.70 Q ⊞	80	1:2009362 *	ET WEB_SERVER /system32/ in Uri - Possible Protected Directory Access Attempt
2017-04-01 15:07:42	2	TCP	Attempted Information Leak	10.10.20.238 Q ⊞	51907	10.0.50.70 Q ⊞	80	1:2009362 *	ET WEB_SERVER / system32/ in Uri - Possible Protected Directory Access Attempt
2017-04-01 15:07:42	2	TCP	Attempted Information Leak	10.10.20.238 Q ⊞	51907	10.0.50.70 Q ⊕	80	1:2009362 X	ET WEB_SERVER /system32/ in Uri - Possible Protected Directory Access Attempt
2017-04-01 15:07:42	3	TCP	Unknown Traffic	10.10.20.238 Q ⊞	51907	10.0.50.70 Q ⊕	80	119:18 ⊞ ★	(http_inspect) WEBROOT DIRECTORY TRAVERSAL
2017-04-01 15:07:31	3	TCP	Unknown Traffic	10.10.20.238 Q ⊞	49715	10.0.50.70 Q ⊕	80	119:31 ((http_inspect) UNKNOWN METHOD
2017-04-01 15:07:26	2	TCP	Attempted Information Leak	10.10.20.238 Q ⊕	50061	10.0.50.70 Q ⊕	5901	1:2002911 X	ET SCAN Potential VNC Scan 5900-5920
2017-04-01 15:07:22	1	TCP	Web Application Attack	10.10.20.238 Q ⊞	49715	10.0.50.70 Q ⊕	80	1:2002677 X	ET SCAN Nikto Web App Scan in Progress
2017-04-01 15:07:07	2	TCP	Attempted Information Leak	10.10.20.238 Q ⊞	63660	10.0.50.70 Q ⊕	80	1:2009361 X	ET WEB_SERVER cmd.exe In URI - Possible Command Execution Attempt

Mail Server Report (Reporter: Stefan)

Time	Event	Description and evidence
	N/A	Nothing to report



AD Server Report (Reporter: Megan)

Time	Event	Description and evidence						
	Nothing to	Keywords	Date and Time	Source	Event ID	Task Category		
	•	Audit Success	8/18/2010 8:10:58 PM	Microsoft Windows security auditing.	5140	File Share		
	Report	Audit Success	8/18/2010 8:10:52 PM	Microsoft Windows security auditing.	4634	Logoff		
	•	Audit Success	8/18/2010 8:10:52 PM	Microsoft Windows security auditing.	4624	Logon		
		Audit Success	8/18/2010 8:10:52 PM	Microsoft Windows security auditing.	4672	Special Logon		
		Audit Success	8/18/2010 8:10:38 PM	Microsoft Windows security auditing.	4634	Logoff		
		Audit Success	8/18/2010 8:10:38 PM	Microsoft Windows security auditing.	4624	Logon		
		Audit Success	8/18/2010 8:10:38 PM	Microsoft Windows security auditing.	4672	Special Logon		
		Audit Success	8/18/2010 8:10:38 PM	Microsoft Windows security auditing.	4634	Logoff		
		Audit Success	8/18/2010 8:10:38 PM	Microsoft Windows security auditing.	4624	Logon		
		Audit Success	8/18/2010 8:10:38 PM	Microsoft Windows security auditing.	4672	Special Logon		
		Audit Success	8/18/2010 8:09:52 PM	Microsoft Windows security auditing.	4634	Logoff		
		Audit Success	8/18/2010 8:09:52 PM	Microsoft Windows security auditing.	4624	Logon		
		Audit Success	8/18/2010 8:09:52 PM	Microsoft Windows security auditing.	4672	Special Logon		
		Audit Success	8/18/2010 8:09:06 PM	Microsoft Windows security auditing.	4663	File System		
		Audit Success	8/18/2010 8:09:06 PM	Microsoft Windows security auditing.	4663	File System		
		Audit Success	8/18/2010 8:08:52 PM	Microsoft Windows security auditing.	4634	Logoff		
		Audit Success	8/18/2010 8:08:52 PM	Microsoft Windows security auditing.	4624	Logon		
		Audit Success	8/18/2010 8:08:52 PM	Microsoft Windows security auditing.	4672	Special Logon		
		Audit Success	8/18/2010 8:07:52 PM	Microsoft Windows security auditing.	4634	Logoff		
		Audit Success	8/18/2010 8:07:52 PM	Microsoft Windows security auditing.	4624	Logon		

File Server Report (Reporter: Daniel)

Time	Event	Description and evidence
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Syslog file changes

Syslog is reporting OK things, such as the time being synced. We see no evidence of nefarious behavior on this server.

Apr 1 09:59:00 ubuntuftp kernel: [34877.553283] grsec: time set by /lib/systemd (/systemd-timedated[systemd-timedat:30040] uid/euid:0/0 gid/egid:0/0, parent /sbi n/init[init:1] uid/euid:0/0 gid/egid:0/0

Apr 1 09:59:00 ubuntuftp kernel: [34877.554837] grsec: time set by /lib/systemd /systemd-timedated[systemd-timedat:30040] uid/euid:0/0 gid/egid:0/0, parent /sbi n/init[init:1] uid/euid:0/0 gid/egid:0/0

Apr 1 09:59:00 ubuntuftp kernel: [34877.55402] systemd-timedated[30040]: Chang ed local time to Sat Apr 1 09:59:00 2017

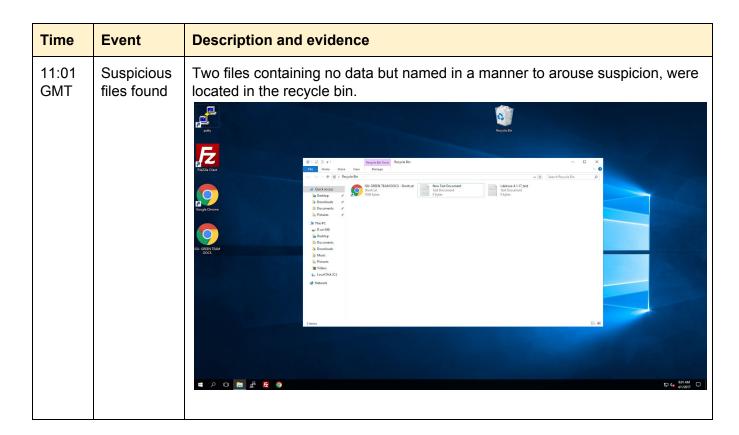
Dr 1 10:17:01 ubuntuftp CRON[30339]: (root) CMD ( cd / && run-parts --report /etc/cron.hourly)

7 /Var/IOG/Malliod: Wall Server IOGS
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DNS/NTP Server Report (Reporter: Daniel)

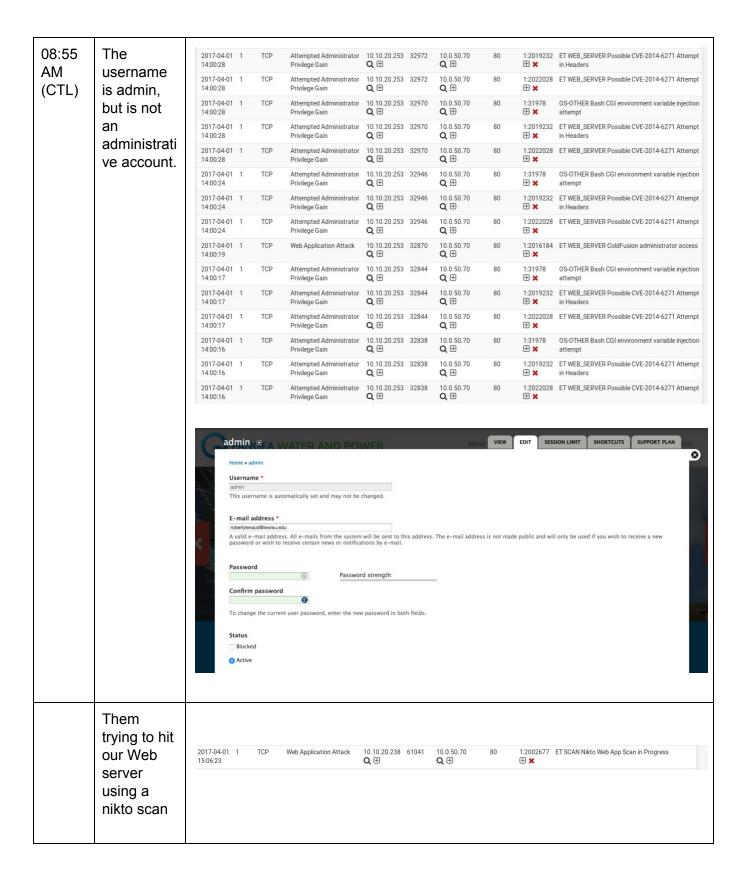
Time	Event	Description and evidence
11:23(GMT)	Checked the system logs	Only thing we could find in logs were DNS errors. We do not believe this has to do with an intrusion, but one of our engineers will look into this to ensure there are no vulnerabilities involved.
		Apr 1 01:31:41 dns named[46225]: managed-keys-zone: journal rollforward failed: unexpected error Apr 1 01:31:41 dns named[46225]: all zones loaded Apr 1 01:31:41 dns named[46225]: running Apr 1 01:33:03 dns ntpd[87906]: dispatch_imsg in main: pipe closed Apr 1 02:00:02 dns syslogd: restart Apr 1 03:34:33 dns dnscrypt-proxy[68909]: Unable to retrieve server certificate S Apr 1 03:35:07 dns last message repeated 2 times Apr 1 03:35:20 dns last message repeated 11 times Apr 1 03:46:44 dns last message repeated 8 times Apr 1 03:57:20 dns last message repeated 8 times Apr 1 03:57:20 dns last message repeated 8 times Apr 1 04:00:01 dns syslogd: restart Apr 1 04:00:03 dns dnscrypt-proxy[68909]: Unable to retrieve server certificate S Apr 1 04:03:51 dns dnscrypt-proxy[68909]: Unable to retrieve server certificate S Apr 1 04:03:51 dns dnscrypt-proxy[68909]: Unable to retrieve server certificate S Apr 1 04:03:51 dns dnscrypt-proxy[68909]: Unable to retrieve server certificate S Apr 1 04:03:51 dns dnscrypt-proxy[68909]: Unable to retrieve server certificate S Apr 1 04:03:51 dns dnscrypt-proxy[68909]: Unable to retrieve server certificate S Apr 1 04:03:36 dns last message repeated 5 times Apr 1 04:23:36 dns last message repeated 5 times

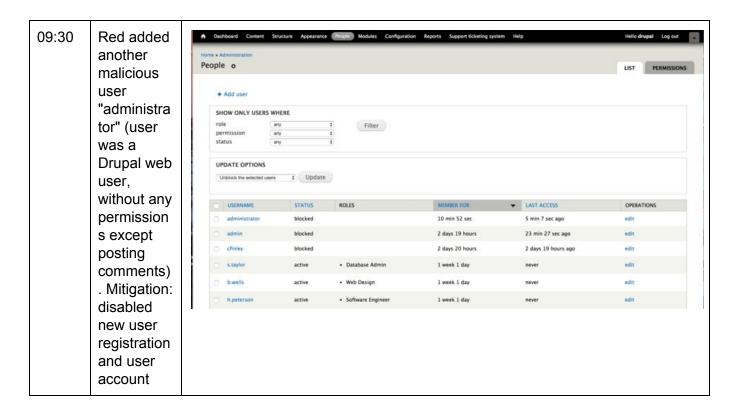
RDP Server Report (Reporter: Logan)



WWW Server Report (Reporter: Megan)

Time	Event	Description and evidence
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Social Engineering/Intelligence Report

Several people have asked us questions regarding our servers and a few have been taking pictures of us. We do not know if these people are red team or not, so we are being extremely cautious with them. Our team leader asked a "reporter" to walk into the hallway with him if he wanted to interview him, rather than having strangers loiter near our screens which could show potentially sensitive data.