D	Tryest dock from Uf to Splunk Indexer	Reciew fort = 9997 Reciew fort = 9997 Splunk Indexer + Splunk Enterprise.
	Source	
	(hoviston 2 servem. (2) One Lerver - Juntall Uf Second Server - Juntall SE	1 UF 2 HEC Token (Http event Gilector) 3 TCP or UPP
	(3) Enable Recieving port on Indexer. (9) Conf. on the Source end. (1) Fulleybook	(4) Scripted Inform.
	(2) outpubront (5) Sending defauted log hosphirala (1) Sending Specific Lendon logs.	Hert Splunkdog Gmig splunk
	Frontleshooty Validation	f Gmig splunk Country Communication

Splunk UF -----> wget -O splunkforwarder-9.3.0-51ccf43db5bd-Linux-x86_64.tgz "https://download.splunk.com/products/universalforwarder/releases/9.3.0/linux/splunkforwarder-9.3.0-51ccf43db5bd-Linux-x86_64.tgz"

Installation of Splunk UF -----

- 1 wget -O splunkforwarder-9.3.0-51ccf43db5bd-Linux-x86_64.tgz "https://download.splunk.com/products/universalforwarder/releases/9.3.0/linux/splunkforwarder-9.3.0-51ccf43db5bd-Linux-x86_64.tgz" 2 II
- 3 tar xvzf splunkforwarder-9.3.0-51ccf43db5bd-Linux-x86_64.tgz ----------> Untaring the package having tar.gz format 4 II ----
- 5 clear
- 8 cd splunkforwarder/bin/ -----> cd is for change directory
- 9 ./splunk start -----> Starting the splunk service 10 clear
- 11 history

Installation of Splunk Indexer ----

- $1\ \ wget\ -O\ splunk-9.3.0-51ccf43db5bd-Linux-x86_64.tgz\ "\underline{https://download.splunk.com/products/splunk/releases/9.3.0/linux/splunk-9.3.0-51ccf43db5bd-Linux-x86_64.tgz\ "\underline{https://download.splunk.com/products/splunk/releases/9.3.0/linux/splunk-9.3.0-51ccf43db5bd-Linux-x86_64.tgz\ "\underline{https://download.splunk.com/products/splunk/releases/9.3.0/linux/splunk-9.3.0-51ccf43db5bd-Linux-x86_64.tgz\ "\underline{https://download.splunk.com/products/splunk/releases/9.3.0/linux/splunk-9.3.0-51ccf43db5bd-Linux-x86_64.tgz\ "\underline{https://download.splunk.com/products/splunk/releases/9.3.0/linux/splunk-9.3.0-51ccf43db5bd-Linux-x86_64.tgz\ "\underline{https://download.splunk.com/products/splunk/releases/9.3.0/linux/splunk-9.3.0-51ccf43db5bd-Linux-x86_64.tgz\ "\underline{https://download.splunk-9.3.0-51ccf43db5bd-Linux-x86_64.tgz\ "\underline{https://download.splunk-9.5.0-51ccf43db5bd-Linux-x86_64.tgz\ "\underline{https://download.splunk-9.5.0-51ccf43db5bd-Linux-x86_64.tgz\ "\underline{https://download.splunk-9.5.0-$
- ${\tt 3\ tar\ xvzf\ splunk-9.3.0-51ccf43db5bd-Linux-x86_64.tgz}$
- 4 II
- 5 cd splunk/bin/
- 6 ./splunk start
- 7 history

If the date forwardig is stoppeds

() ling Idx IP - Connectivity

() Coop & Connectivity

(1) ling Idx II - Gunechinty

(2) Telnet Il Idx 9997 - Gunechinty

(3) Splunkdolog - check the lags.

> W/o Indexer Act. > With Indexer

mique

SPL Command ----> index=_internal source=*splunkd.log* host="ip-172-31-92-111.ec2.internal" log_level=ERROR

Log Path ----> /home/ec2-user/splunkforwarder/var/log/splunk

Outputs.conf ------> This need to be on the Forwarder side (/home/ec2-user/splunkforwarder/etc/system/local)

[monitor:///tmp/forward-data/test.txt]

disabled = 0

[monitor:///tmp/forward-data/test1.txt] index = vk idxsourcetype = vk_src disabled = 0

Inputs.conf ------> This need to be configured on forwarder side (/home/ec2-user/splunkforwarder/etc/system/local)

[tcpout]

defaultGroup = default-autolb-group

[tcpout:default-autolb-group] server = 54.175.14.11:9997

[tcpout-server://54.175.14.11:9997]

./splunk enable forward-server 54.175.14.11:9997 [Indexex IP_adress:receiving_port_number] --------> Connect the forwarder with Indexer ./splunk list forward-server ----> List the indexers connected with forwarder

HEC Tokens- Http Event Collectors

C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector -H "Authorization:Splunk f5d5cc47-62de-462a-925f-6c7a71ac06b8" -d "{\"sourcetype\": \"trail\", \"event\":\"hello world\"}" {"text":"Success","code":0} C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector -H "Authorization:Splunk f5d5cc47-62de-462a-925f-6c7a71ac06b8" -d "{\"sourcetype\": \"trail\", \"event\":\"hello world123\"}"

{"text":"Success","code":0} C:\Users\Vivek>

C:\Users\Vivek>

HEC CODE -----

C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector -H "Authorization:Splunk ad2fe798-6c06-4a34-8edb-04fe0811a758" -d "{\"sourcetype\": \"trail\", \"event\":\"hello world123\"]"

{"text":"Data channel is missing","code":10}

C:\Users\Vivek> C:\Users\Vivek>

C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector/ack?channel=03f3d08c-52b3-4819-9d59-b70fea7f9e62 -H

"Authorization:Splunk ad2fe798-6c06-4a34-8edb-04fe0811a758" -d "{\"sourcetype\": \"trail\", \"event\":\"hello world12 3 with acks\"}"

{"text":"Invalid data format","code":6}

C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector?channel=03f3d08c-52b3-4819-9d59-b70fea7f9e62 -H "Authorization:Splunk ad2fe798-6c06-4a34-8edb-04fe0811a758" -d

"{\"sourcetype\": \"trail\", \"event\":\"hello world123 with acks\"}"

{"text":"Success","code":0,"ackId":0}

C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector?channel=03f3d08c-52b3-4819-9d59-b70fea7f9e62 -H "Authorization:Splunk ad2fe798-6c06-4a34-8edb-04fe0811a758" -d

"{\"sourcetype\": \"trail\", \"event\":\"hello world1234 with acks\"}" {"text":"Success","code":0,"ackId":1}

C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector?channel=03f3d08c-52b3-4819-9d59-b70fea7f9e62 -H "Authorization:Splunk ad2fe798-6c06-4a34-8edb-04fe0811a758" -d

"{\"sourcetype\": \"trail\", \"event\":\"hello world12345 with acks\"}"

{"text":"Success","code":0,"ackId":2} C:\Users\Vivek>

C:\Users\Vivek>

C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector/ack?channel=03f3d08c-52b3-4819-9d59-b70fea7f9e62 -H

"Authorization:Splunk ad2fe798-6c06-4a34-8edb-04fe0811a758" -d "{\"acks\": [0]}"

{"acks":{"0":true}}

C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector/ack?channel=03f3d08c-52b3-4819-9d59-b70fea7f9e62 -H "Authorization:Splunk ad2fe798-6c06-4a34-8edb-04fe0811a758" -d "{\"acks\": [6]}"

{"acks":{"6":false}}

C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector/ack?channel=03f3d08c-52b3-4819-9d59-b70fea7f9e62 -H "Authorization:Splunk ad2fe798-6c06-4a34-8edb-04fe0811a758" -d "{\"acks\": [2]}"

{"acks":{"2":true}}

C:\Users\Vivek>curl -k https://127.0.0.1:8088/services/collector/ack?channel=03f3d08c-52b3-4819-9d59-b70fea7f9e62 -H "Authorization:Splunk ad2fe798-6c06-4a34-8edb-04fe0811a758" -d

"{\"acks\": [22]}" {"acks":{"22":false}}

Tomorrows (12th Ang.)

(1) App & Add-on.

(2) Scorpted Input:

(3) Syslogy (Security Logs)