

## inputs.conf

```
[monitor://<PATH>]
host = google.com
sourcetype = google_access
crcSalt = <SOURCE>
initCrcLength = 256 bytes
#Cannot be less than 256 or more than 1048576
ignoreOlderthan = 1d
```

```
[root@ip-172-31-32-132 local]# cat inputs.conf  
[monitor:///opt/monitor/file1.txt]
```

```
host=uf  
index=main  
sourcetype=secure_access  
_TCP_ROUTING = indexer
```

```
[monitor:///opt/monitor/file2.txt]
host=uf
index=main
sourcetype=secure_access_linebreak
```

#####

```
[root@ip-172-31-32-132 local]# c  
[tcpout:indexer]  
server = 15.206.159.98:9997  
[root@ip-172-31-32-132 local]#
```

```
root@ip-172-31-32-132 monitor]#  
root@ip-172-31-32-132 monitor]# pwd
```

```
opt@monitor
root@ip-172-31-32-132 monitor]# ls
file1.txt file2.txt transform.txt
root@ip-172-31-32-132 monitor]#
root@ip-172-31-32-132 monitor]# cat /opt/splunkforwarder/etc/system/local/inputs.conf
monitor:///opt/monitor/file1.txt]
  st=uf
  index=main
  sourcetype=secure_access
  TCP_ROUTING = indexer

monitor:///opt/monitor/file2.txt]
  st=uf
  index=main
  sourcetype=secure_access_linebreak
  TCP_ROUTING = indexer

monitor:///opt/monitor/transform.txt]
  st=uf
  index=main
  sourcetype=transform_rule
  TCP_ROUTING = indexer
root@ip-172-31-32-132 monitor]#
root@ip-172-31-32-132 monitor]#
root@ip-172-31-32-132 monitor]#
```

rops.conf

```
[re_access]
LD_LINEMERGE=false
BREAKER=([\r\n]+)
K_ONLY_BEFORE_DATE=null
INARY_CHECK=true
SET=UTF-8
TIMESTAMP_LOOKAHEAD=50
FORMAT=%a %b %d %Y %H:%M:%S
```

```
re_access]
K_ONLY_BEFORE_DATE =
TIME_CONFIG =
BREAKER = ([\r\n]+)
TIMESTAMP_LOOKAHEAD = 50
INARY_CHECK = true
LD_LINEMERGE = false
FORMAT = %a %b %d %Y %H:%M:%S
.asia/Kolkata
ory = Custom
ption = this is for tutorial
own_type = true
```

```
re_access_linebreak]
K_ONLY_BEFORE_DATE =
TIME_CONFIG =
BREAKER = ([\r\n]+)?(?=\w{3}\s\w{3}\s\d{2})  

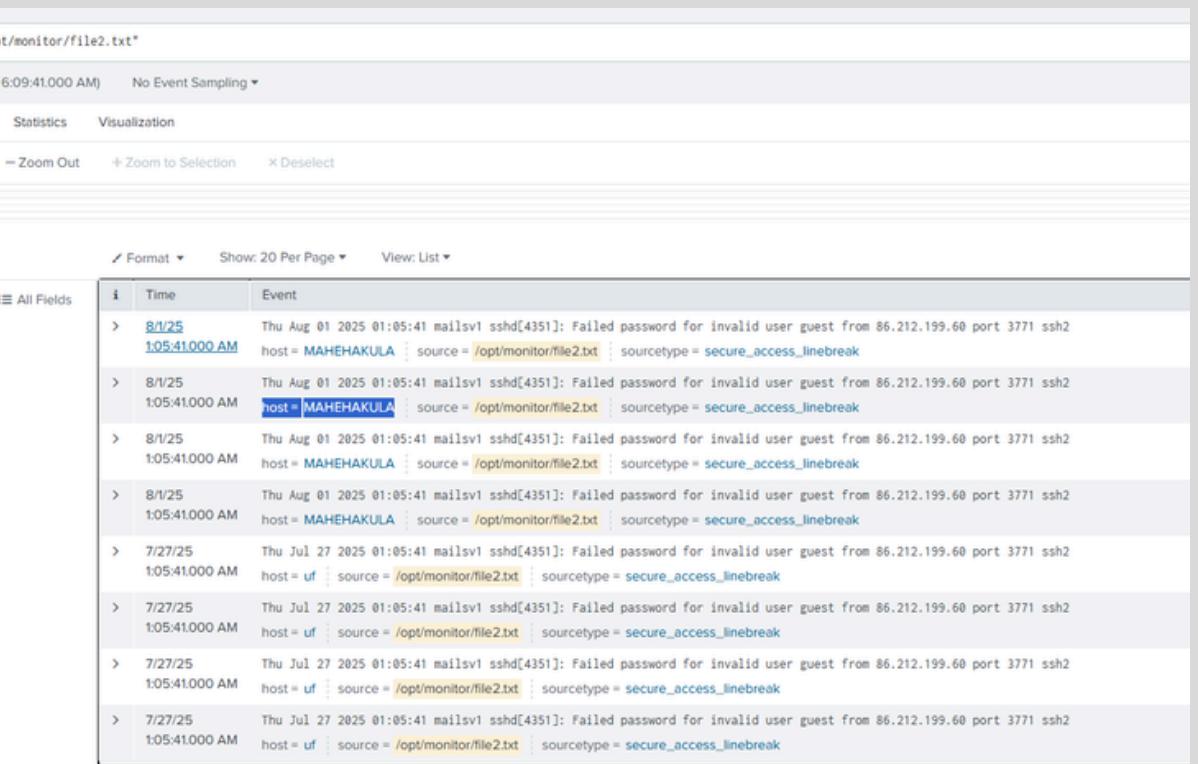
INARY_CHECK = true
LD_LINEMERGE = false
ory = Custom
own_type = true
$FORMs-rule1=renamehost
```

SFORMS-<class> = <transform\_stanza\_name>,  
sform stanza name?>

## transforms.conf

```
[renamehost]
DEST_KEY = MetaData:Host
REGEX =.*
FORMAT = host::UniversalForwarder
##Renaming host name during parsing stage
```

```
[root@ip-172-31-38-148 local]# [root@ip-172-31-38-148 local]# cat props.conf  
[secure_access]  
BREAK_ONLY_BEFORE_DATE =  
DATETIME_CONFIG =  
LINE_BREAKER = ((\r\n|n)+)  
MAX_TIMESTAMP_LOOKAHEAD = 50  
NO_BINARY_CHECK = true  
SHOULD_LINEMERGE = false  
TIME_FORMAT = %a %b %d %Y %H:%M:%S  
TZ = Asia/Kolkata  
category = Custom  
description = this is for tutorial  
dropdown_type = true  
  
[secure_access_linebreak]  
BREAK_ONLY_BEFORE_DATE =  
DATETIME_CONFIG =  
LINE_BREAKER = ((\r\n|n)+) (?=\w{3}\s\w{3}\s\d{2}))  
NO_BINARY_CHECK = true  
SHOULD_LINEMERGE = false  
category = Custom  
dropdown_type = true  
TRANSFORMS-rule1=renamehost  
  
[transform_rule]  
TRANSFORMS-rule1= renamehost  
  
[root@ip-172-31-38-148 local]# [root@ip-172-31-38-148 local]# cat transforms.conf  
[renamehost]  
DEST_KEY = MetaData:Host  
REGEX = .*  
FORMAT = host::MAHEHAKULA  
[root@ip-172-31-38-148 local]# [root@ip-172-31-38-148 local]# pwd  
/opt/splunk/etc/apps/search/local  
[root@ip-172-31-38-148 local]# █
```



- How data is processed in Splunk?
- Stages - Pipelines & Queues
- 
- How to add metadata Fields for all events in splunk?
- How to send redundant data to NullQueue?
- How to send data to a specific tcput group/indexer/group?
- HTTP event Collector -
  - Token Generation
  - Port configuration
  - send sample data to main index

- 4 phases
- input
  - parsing
  - indexing
  - searching

During Parsing phase

- [Parsing queue](#) → [Parsing Pipeline](#) → [Agg queue](#) → [Merging Pipeline](#) → [Typing queue](#) → [Typing Pipeline](#) → [Index Queue](#) → [Index Pipeline](#)

```
https://docs.splunk.com/Documentation/Splunk/9.4.2/Admin/Propsconf
https://docs.splunk.com/Documentation/Splunk/9.4.2/Admin/Inputsconf
https://docs.splunk.com/Documentation/Splunk/9.4.2/Admin/Transformsconf#transforms.conf
https://help.splunk.com/en/splunk-enterprise/search/spl-search-reference/9.1/time-format-variables-and-modifiers/date-and-time-format-variables
https://help.splunk.com/en/splunk-enterprise/get-started/get-data-in/9.3/get-data-with-http-event-collector/use-curl-to-manage-http-event-collector-tokens-events-and-services
```

```
outputs.conf
[tcpout:indexer]
server = 15.206.159.98:9997, idx2:9997, idx3:9997
```

**How to add metadata Fields for all events in splunk?**

```
##### INDEXER #####
props.conf
[default]
TRANSFORMS-appltoall = apply_to_all
```

```
transforms.conf
[apply_to_all]
REGEX = .
FORMAT = processed_by::SplunkSessionIndexer1
WRITE_META = true
```

**To sent data to Null queue when ever there is an event with (Code=F)**

```
props.conf
[source::/opt/monitorlogs/nullQueueLogs.txt]
TRANSFORMS-nullQueue = send_to_nullqueue
```

```
transforms.conf
[send_to_nullqueue]
REGEX = Code\=F
DEST_KEY = queue
FORMAT = nullQueue
```

**To sent data to a specific tcp group when ever there is an event with (Code=F)**

```
[source::/opt/monitorlogs/nullQueueLogs.txt]
TRANSFORMS-TCPGrpp= send_to_Group
```

```
transforms.conf
[send_to_nullqueue]
REGEX = Code\=F
DEST_KEY = _TCP_ROUTING
FORMAT = indexer --- Outputs.conf tcpgroup
```

**To send code=f to a specific index**

```
[source::/opt/monitorlogs/indexLogs.txt]
TRANSFORMS-index = send_to_index
```

```
transforms.conf
[send_to_index]
REGEX = Code\=F
DEST_KEY = _MetaData:Index
FORMAT = apple
```



## transforms.conf | Splunk Enterprise (last updated)

2025-07-04T13:09:40.897Z)

The following are the spec and example files for transforms.conf.

[splunk.com](http://splunk.com)

- \* NOTE: Keys are case-sensitive. Use the following keys exactly as they appear.
- 
- queue : Specify which queue to send the event to (can be nullQueue, indexQueue).
  - \* indexQueue is the usual destination for events going through the transform-handling processor.
  - \* nullQueue is a destination which causes the events to be dropped entirely.
- \_raw : The raw text of the event.
- \_meta : A space-separated list of metadata for an event.
- \_time : The timestamp of the event, in seconds since 1/1/1970 UTC.
- 
- **MetaData:Host** : The host associated with the event.
  - The value must be prefixed by "host::"
- 
- **\_MetaData:Index** : The index where the event should be stored.
- 
- **MetaData:Source** : The source associated with the event.
  - The value must be prefixed by "source::"
- 
- **MetaData:Sourcetype** : The source type of the event.
  - The value must be prefixed by "sourcetype::"
- 
- **\_TCP\_ROUTING** : Comma separated list of tcput group names (from outputs.conf)
  - Defaults to groups present in 'defaultGroup' for [tcpout].
- 
- **\_SYSLOG\_ROUTING** : Comma separated list of syslog-stanza names (from outputs.conf)
  - Defaults to groups present in 'defaultGroup' for [syslog].
- 
- \* NOTE: Any KEY (field name) prefixed by '\_' is not indexed by Splunk software, in general.

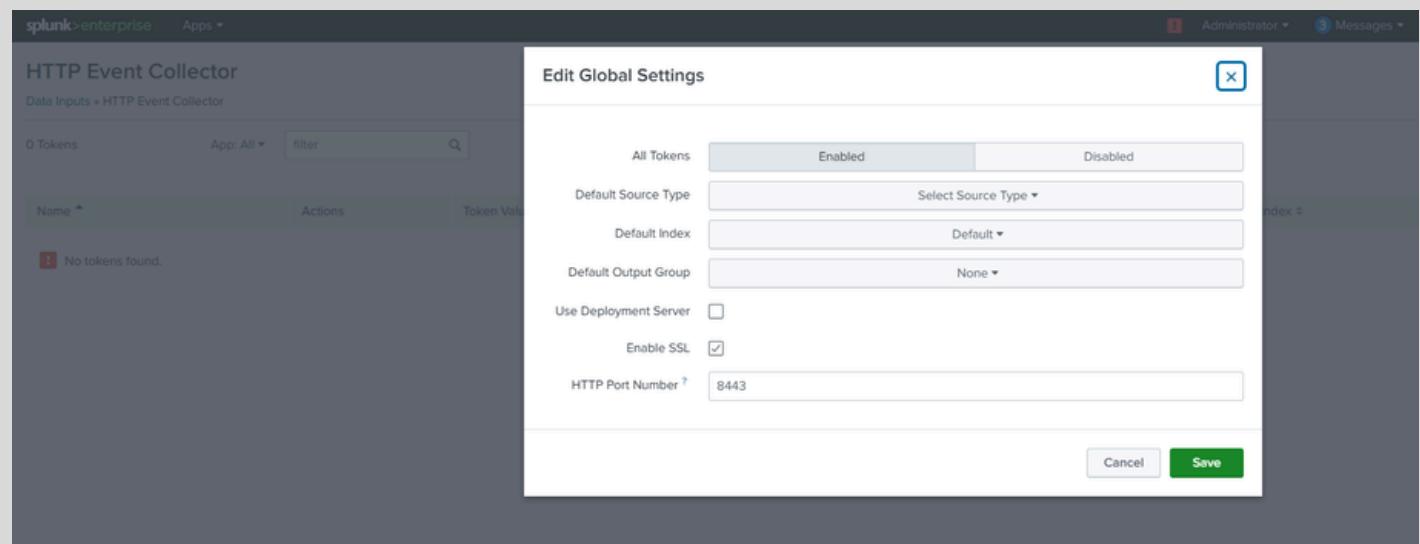
## HEC

Go to WEb → Settings → Data(Data inputs) → HTTP Event Collector

Go to global settings → Enable it (you can change port as needed)

Generate a token

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



```
[root@ip-172-31-46-101 local]# cd /opt/splunk/etc/apps/search/local/
[root@ip-172-31-46-101 local]# ls
indexes.conf  inputs.conf
[root@ip-172-31-46-101 local]# cat in
cat: in: No such file or directory
[root@ip-172-31-46-101 local]# cat inputs.conf
[splunktcp://9997]
connection_host = ip

[http://apple_index]
disabled = 0
host = ip-172-31-46-101.ap-south-1.compute.internal
index = apple
indexes = apple
token = 2745dc24-e308-4f0d-8f0a-4f05914d6ba6
[root@ip-172-31-46-101 local]#
```

- masking data
- HEC - acknowledgement

### props.conf

```
[<SOURCETYPE>]
```

```
[source:<SOURCE>]
```

```
[host:<HOST>]
```

### How to mask the sensitive info

on indexer/hf

### props.conf

```
[access_log]
```

```
SEDCMD-maskCreditcard = s/(\d{12,16})/XXXXXXXXXXXX/g
```

### props.conf

```
[access_transforms]
```

```
TRANSFORMS-maskdata = maskcarddata
```

### transforms.conf

```
[maskcarddata]
```

```
REGEX = (\d{12,16})
```

```
FORMAT = $1::XXXXXXXXXX
```

```
DEST_KEY = _raw
```

### HEC ACK:

<https://help.splunk.com/en/splunk-enterprise/get-started/get-data-in/9.3/get-data-with-http-event-collector/use-curl-to-manage-http-event-collector-tokens-events-and-services>

```
curl --location 'https://43.205.111.108:8443/services/collector/raw?channel=00872DC6-AC83-4EDE-8AFE-8413C3825C21&sourcetype=mydata' \
--header 'Authorization: Splunk be3cc297-83bf-4554-9280-5ef8fb98fddb' \
--header 'Content-Type: application/json' \
--data ""hello World""
```

```
curl --location 'https://43.205.111.108:8443/services/collector/ack?channel=00872DC6-AC83-4EDE-8AFE-8413C3825C4C' \
--header 'Authorization: Splunk f26f5849-00c1-41b8-923b-65e46b1622f5' \
--header 'Content-Type: application/json' \
--data '{"acks": [1,3,4]}'
```

/opt/splunk/{etc,bin,auth}/

filename.conf – configuration file  
 [stanza] →  
 attribute1 = value1  
 attribute2 = value2  
 host = google1.com → example

#### File precedence

/opt/splunk/etc/system/local → 1<sup>st</sup>  
 filename.conf – configuration file  
 [stanza] →  
 attribute1 = value1  
 attribute2 = value2  
 host = google1.com

/opt/splunk/etc/apps/ta\_nix/local/ → 3<sup>rd</sup>  
 filename.conf – configuration file  
 [stanza] →  
 attribute1 = value1  
 attribute2 = raghu  
 host = test.com  
 source = abc\_access.log

/opt/splunk/etc/apps/ta\_nix/default/ → 5<sup>th</sup>  
 filename.conf – configuration file  
 [stanza] →  
 attribute1 = mahesh  
 attribute2 = value2  
 host = test.com  
 source = xyz.log

/opt/splunk/etc/apps/00\_nix/local/ → 2<sup>nd</sup>  
 filename.conf – configuration file  
 [stanza] →  
 attribute1 = value1  
 attribute2 = raghu  
 host = test.com

/opt/splunk/etc/apps/00\_nix/default/ → 4<sup>th</sup>  
 filename.conf – configuration file  
 [stanza] →  
 attribute1 = mahesh  
 attribute2 = value2  
 host = test.com  
 source = xyz222.log

/opt/splunk/etc/system/default → LAST – DO NOT EDIT  
 filename.conf – configuration file  
 [stanza] →  
 attribute1 = value1  
 attribute2 = value2  
 host = google1.com

<https://dev.splunk.com/enterprise/docs/developapps/manageknowledge/fileprecedence/>

