Download filebeat in windows machine: https://www.elastic.co/downloads/past-releases/filebeat-7-17-12

(Download file beat which matches yours elk version)

Go to filebeat.yml

In filebeat inputs → type enabed ,path ,tags are configured

```
# ============== Filebeat inputs =======================
filebeat.inputs:
# Each - is an input. Most options can be set at the input level, so
# you can use different inputs for various configurations.
# Below are the input specific configurations.
# filestream is an input for collecting log messages from files.
- type: log
 # Unique ID among all inputs, an ID is required.
 #id: my-filestream-id
 # Change to true to enable this input configuration.
 enabled: true
 # Paths that should be crawled and fetched. Glob based paths.
    - C:\Windows\System32\winevt\Logs\Microsoft-Windows-Sysmon%4Operational.evtx
 tags: ["sysmon"]
   #- /var/log/*.log
   #- c:\programdata\elasticsearch\logs\*
```

In logstash output ip and port of .conf file con.d folder of logstash

Navigate to filbeat path:

PS C:\WINDOWS\system32> cd "C:\Program Files\Filebeat"

Apply changes

Check configuration of filebeat

.\filebeat.exe -e test config

```
PS C:\Program Files\Filebeat\. Onfig path: [C:\Program Files\Filebeat\. Onfig
```

Install filebeat

PowerShell.exe -ExecutionPolicy UnRestricted -File .\install-service-filebeat.ps1

Start the service of filebeat

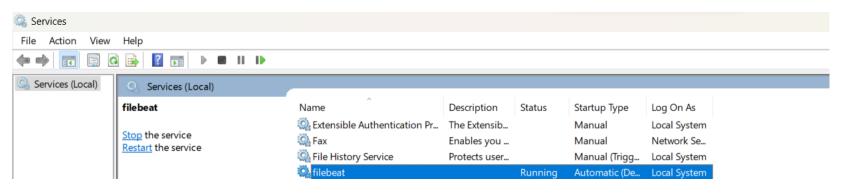
PS C:\Program Files\Filebeat> Start-Service filebeat

To check configuration of filebeat

PS C:\Program Files\Filebeat> .\filebeat.exe test config Config OK

Search services in windows

There you can see status of filebeat



Get-Process -Name "filebeat"

To check Filebeat logs

.\filebeat.exe -e

```
| Section | Color | Co
```

Go to conf.d folder

In this folder you write configuration code for logstash to port to elk

root@lokesh-manikanta:/# cd /etc/logstash/conf.d/

Create a file with extention .conf

root@lokesh-manikanta:/etc/logstash/conf.d# touch sysmon.conf

To known any other conf file

```
root@lokesh-manikanta:/etc/logstash/conf.d# ls
sysmon.conf
```

Write a code inside sysmon.conf

root@lokesh-manikanta:/etc/logstash/conf.d# nano sysmon.conf

```
CNU nano 6.2 sysmon.conf

tnput {
    beats {
        port >> 5044
    }
}

filter {
    if "sysmon" in [tags] {
        match=>["message"=>["%[OATESTAMP:Date] %[COGLEVEL:M(IP:tp) %[GREEDYDATA:data]","%[DATESTAMP:Date1] %[GREEDYDATA:data1]","%[DATESTAMP:Date2] %[GREEDYDATA:data2]"]
    }

# Add additional filter plugins for further processing as needed
}

output {
    elasticsearch {
        hosts => ["192.168.195.148:9200"]
        user => "elastic"
        password => "urgin:9uporAvshicSn441"
        index => "sysmon-%[+YYYY.MM.dd]"
}

}
```

Save and close Sysmon.conf

```
Sysmon.conf code:
input {
 beats {
  port => 5044
 }
}
filter {
 if "sysmon" in [tags] {
     grok {
 match=>{"message"=>["%{DATESTAMP:Date} %{LOGLEVEL:LOGLEVEL} %{IP:ip} %{GREEDYDATA:data}","%{DATESTAMP:Date1}
\% \{LOGLEVEL: LOGLEVEL1\} \ \% \{GREEDYDATA: data1\}'', "\% \{DATESTAMP: Date2\} \ \% \{GREEDYDATA: data2\}'']
   }
 }
  # Add additional filter plugins for further processing as needed
 }
}
output {
 elasticsearch {
  hosts => ["192.168.195.148:9200"]
  user => "elastic"
  password => "u7gin9UoF4vSh1c5n44I"
  index => "sysmon-%{+YYYY.MM.dd}"
 }
}
Restart logstash
```

root@lokesh-manikanta:/etc/logstash/conf.d# systemctl restart logstash

Start the services of the logstash

root@lokesh-manikanta:/etc/logstash/conf.d# sudo service logstash start

To see logs of logstash (logs will be stored in logstash-plain.log)

```
root@lokesh-manikanta:/etc/logstash/conf.d# tail -f /var/log/logstash/logstash-logs | [2023-09-23T02:46:37,853][MRFO] [logstash.outputs.elasticsearch] Elasticsearch version determined (7.17.13) {:es_version=>7} | [2023-09-23T02:46:37,853][WARN] [logstash.outputs.elasticsearch] [main] Detected a 6.x and above cluster: the 'type' event field won't be used to determine the document _type {:es_version=>7} | [2023-09-23T02:46:37,993][WRFO] [logstash.outputs.elasticsearch] [main] Config is not compliant with data streams. 'data_stream => auto' resolved to 'false' [2023-09-23T02:46:38,491][INFO] [logstash.outputs.elasticsearch] [main] Using a default mapping template {:es_version=>7, :ecs_compatibility=>:disabled} | [2023-09-23T02:46:38,491][INFO] [logstash.javapipeline | [main] Starting pipeline {:pipeline_id=>"main", "pipeline.workers"=>2, "pipeline.batch.size"=>125, "pipeline.batch.delay"=>50, "pipeline.max_inf light"=>250, "pipeline.sources"==["fetc/logstash/conf.d/sysmon.conf"], :thread=>"#*Thread:0%Sc8da86f run>"] [2023-09-23T02:46:39,520][INFO] [logstash.javapipeline | [main] Pipeline Java execution initialization time {"seconds"=>1.02} | [2023-09-23T02:46:39,587][INFO] [logstash.javapipeline | [main] Pipeline started {"pipeline.id"=>"main"} [2023-09-23T02:46:39,846][INFO] [logstash.javapip
```

Go to Date → Index Mangement

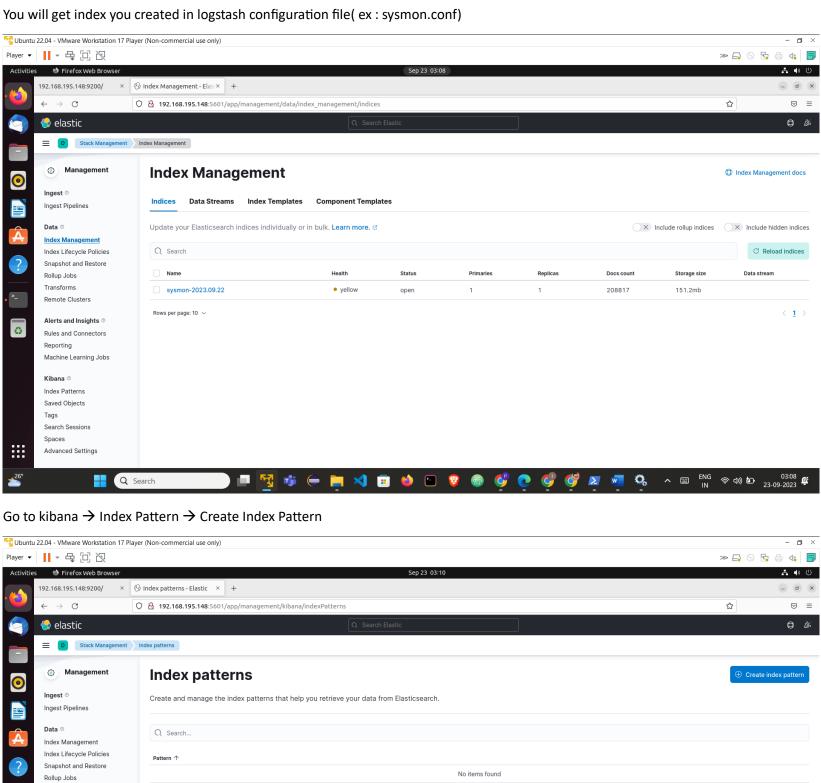
Transforms Remote Clusters Alerts and Insights ① Rules and Connectors Reporting Machine Learning Jobs

Index Patterns Saved Objects Tags Search Sessions Spaces

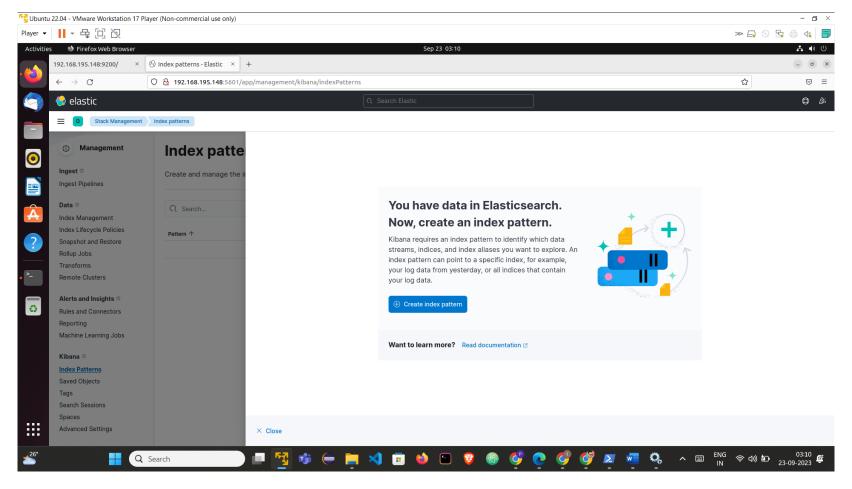
Advanced Settings

Q Search

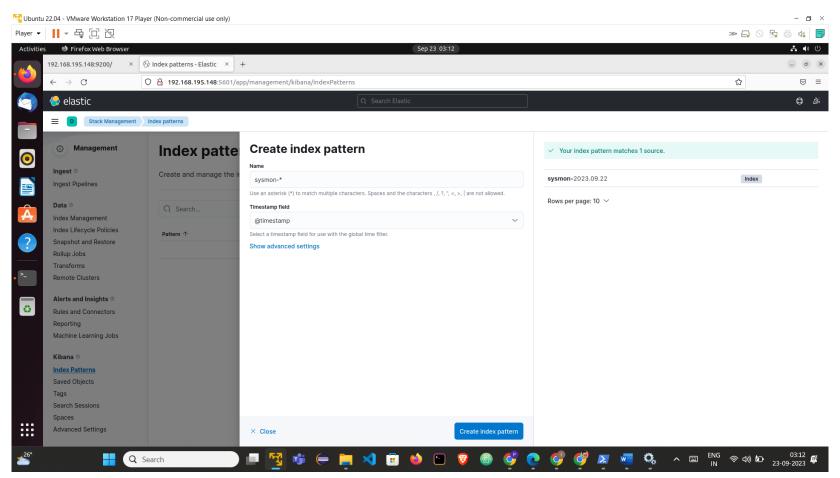
:::



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Give name and time stamp and click on create index pattern



Go to discover choose what Index you created

