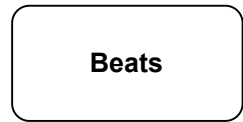| ElasticSearch	Logstash	Kibana	Beats

Used for storing and searching collected Data	Used for collecting & filtering the input data	Provides a graphical user interface	Multiple light weight data collector

ELK FLOW

1. First the Beats are attached to remote servers from where the beats collect the information from various sources.

2. After collecting all the data needed they either ship the data to Logstash for filtration or directly send the data to ElasticSearch

3. The data is then stored in ElasticSearch , from here it will not be directly sent to Kibana. Kibana first needs to check where ElasticSearch is and then go and get the data itself.

Server → Data Collection → Ship → Data Aggregation & Processing → Indexing & Storing → Analysis & Visualization

Logstash

Elastic

Kibana

Server → Data Collection