1.Flume Ng: Flume is a reliable and distributed system for efficiently collecting, aggregating and moving volume of data from many different sorces to a centralized data store. Flume NG is work related to new revision of flume and is the subject of this post. Events,sink,channel,agent,client and configuration provider are the major components of flume

2.Reliablity:Flume is reliable and provides end to end reliability because of is transactional approach in data flow with the help of source and sink which is responsible for pass reliably from one end to another end in a flow

3.Flume distribution: flume supports multiple flow.the event flows from one source to multiple channel and multiple destination.A flow multiplexer is defined for achiving this.

4. Types of channel:fume has there types of channel they are

JDBC channel:It stores data in emeded derby database

File channel:It writes contents to a fle on the file system after reading the event from a source.once the contents are delivered successfully these files are deleted

Memory channel:It is fastest channel among the three nature has the risk data loss. The channel that you chose completely depends on the nature of big data application and the value of each event.In this channel eents are read from the source into memory and passed to the sink