**Machine Programming 4 – Simple Distributed File System**

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In MP4, we developed a Stream Processing Application ‘Crane’ similar to Apache’s Storm. Some key design decisions are as follows:

1.

**Applications:-**

1. **Emitting twitter users details who tweeted about a trending topic namely “ongoing- event”.**

**Topology:-**

Spout Input- TT\_anotations.csv file containing twitter trending topics with tweeted.

Filter Bolt- Filter only the tweets with topic related to “ongoing-event”.

Join Bolt- Reading the tweet files of all the users who tweeted about the “ongoing-event” and emitting their details.

Sink Bolt- Saving the twitter user details in a file.

**Comparison- Storm vs Crane**

1. **Filtering the tweets with trending topics namely “ongoing-event”, “meme” and “news”**

**Topology:-**

Spout Input- TT\_anotations.csv file containing twitter trending topics with tweeted.

Filter Bolt- Filter only the tweets with topic related to “ongoing-event”, “meme” and “news”.

Sink Bolt- Saving tweets regarding the trending topics.

**Comparison- Storm vs Crane**

1. Using Transform

**Comparison- Storm vs Crane**