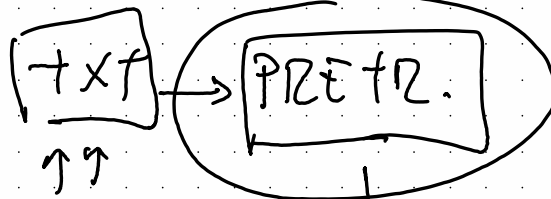
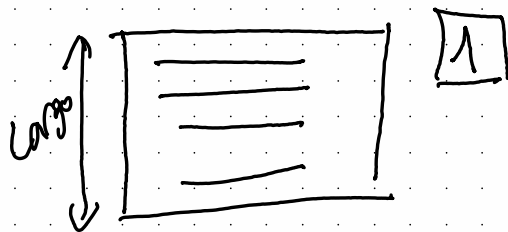
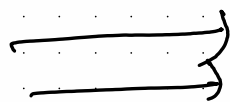
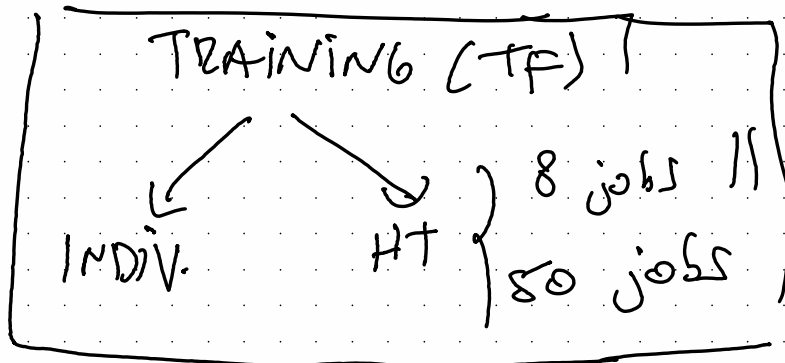
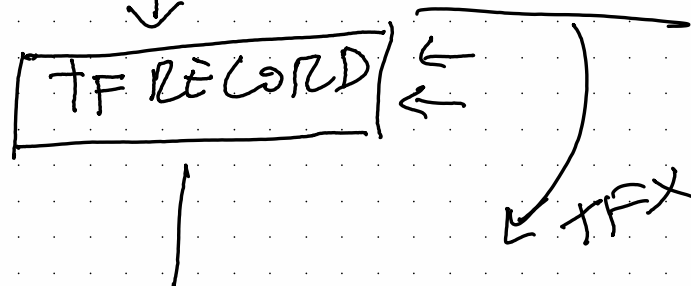


NLP [IMDB]



APACHE  
BEAM  
TF TRANSF.



DEPLOYMENT  
API

HT 3 epochs = 27  
⋮

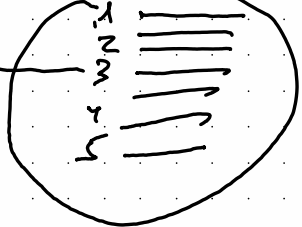
PRETR.

IMDB

- TRAIN

POS

NEG



KBS

60 MB



TEST

POS

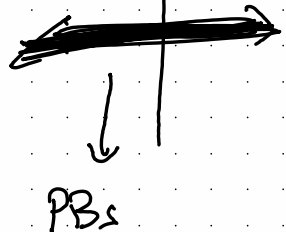
NEG



[ALMAC.]

[OBJETOS]

GCS  
(S3, A2, BLOBS)



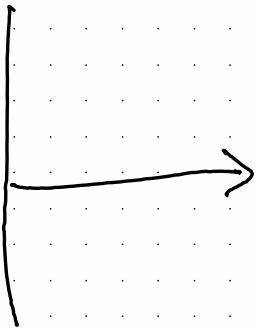
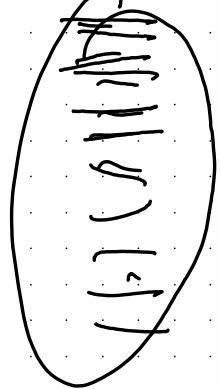
PBS

[COMPUTO]

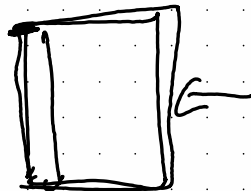
[VERTEX A]

"SERVERLESS"

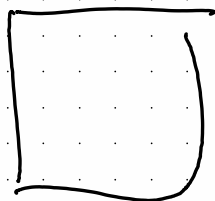
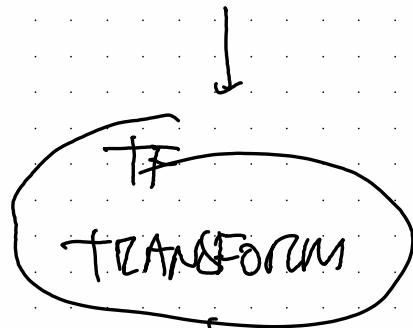
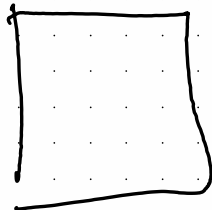
TXH



TF RECORD (BINARIO)



PROTOCOL  
BUFFERS



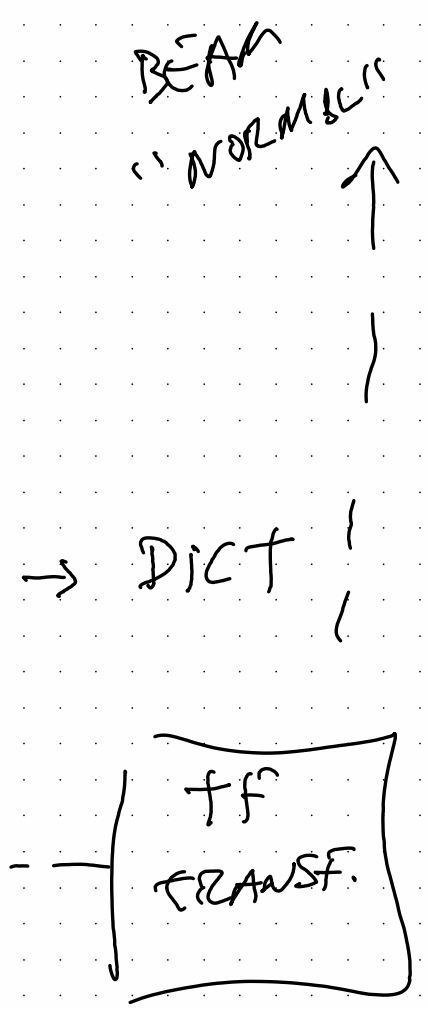
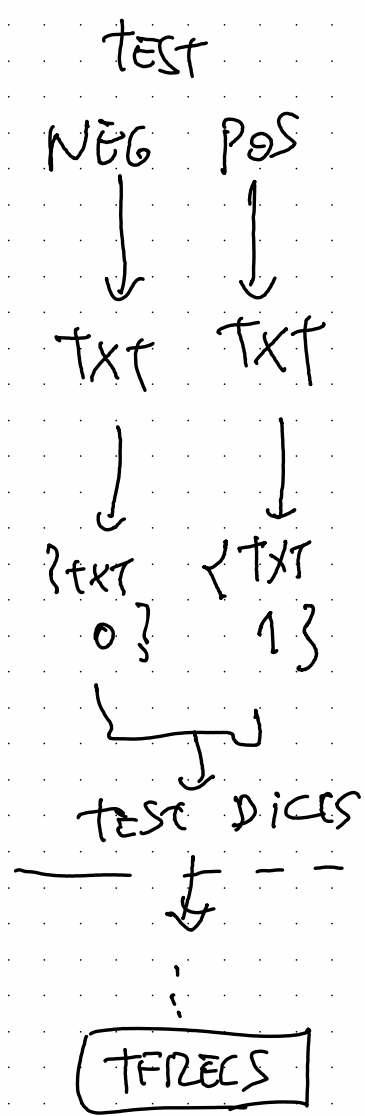
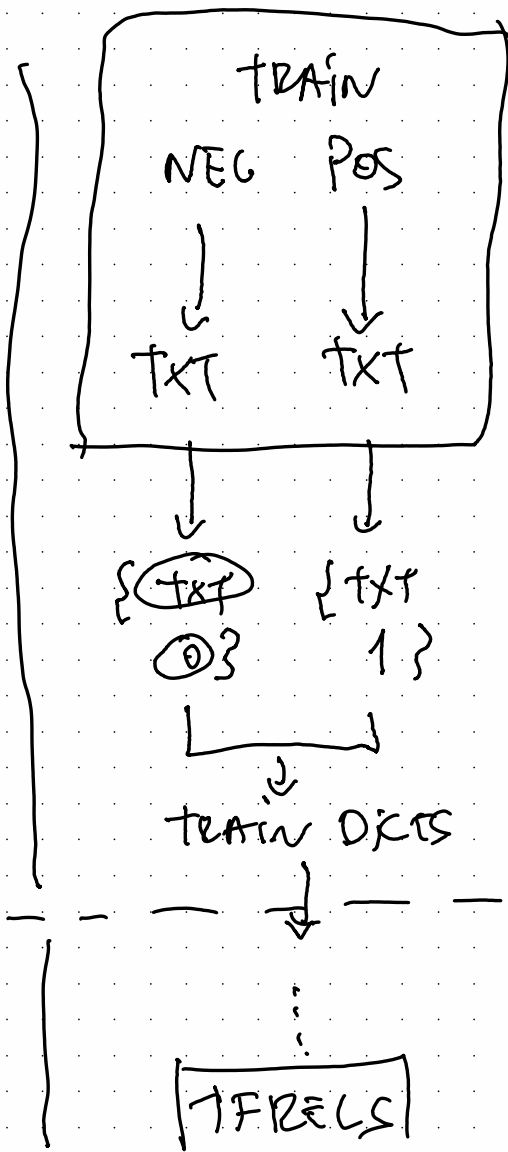
PARALEZ.  
ATTACHE  
BEAM

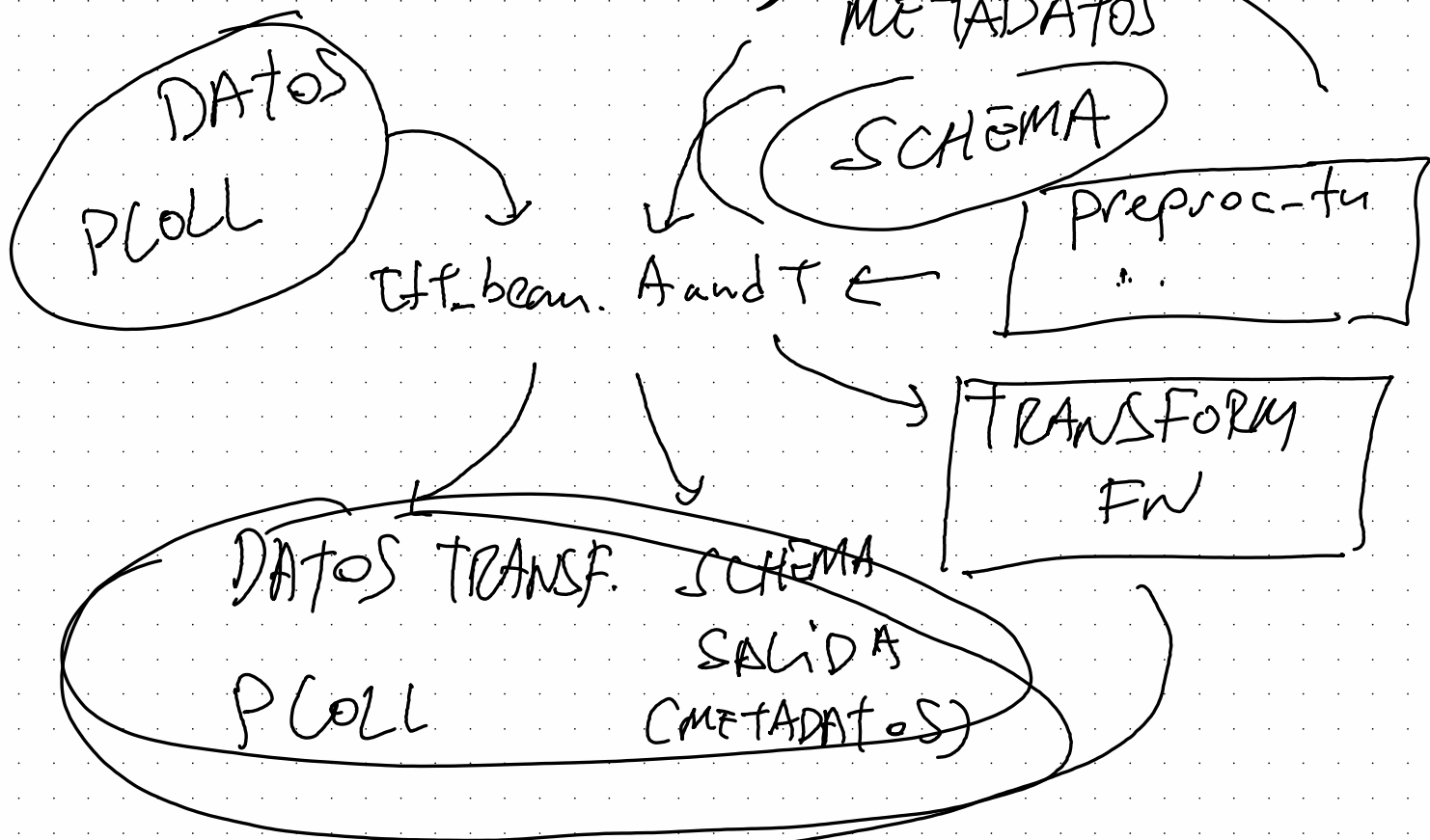
mins → 7-8

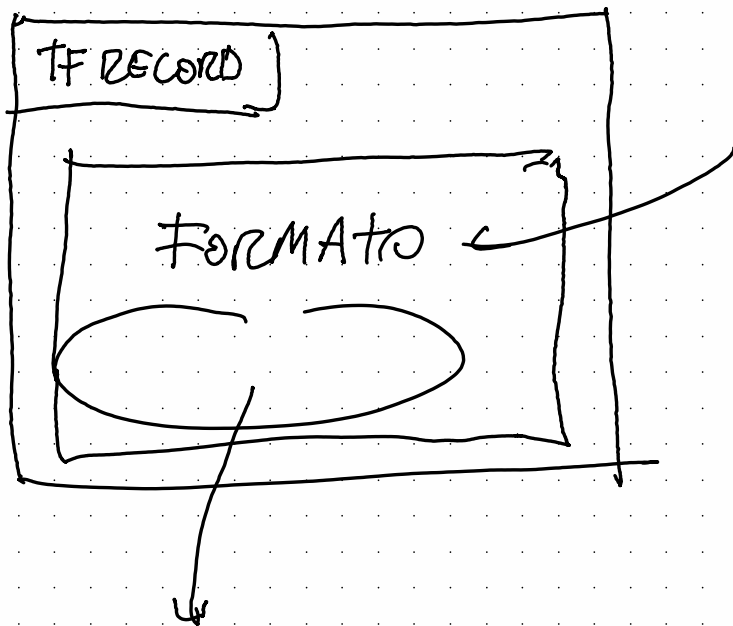
5min

gcloud auth login

gcloud auth application - default login







PARQUET  
AVRO

...

TF EXAMPLE