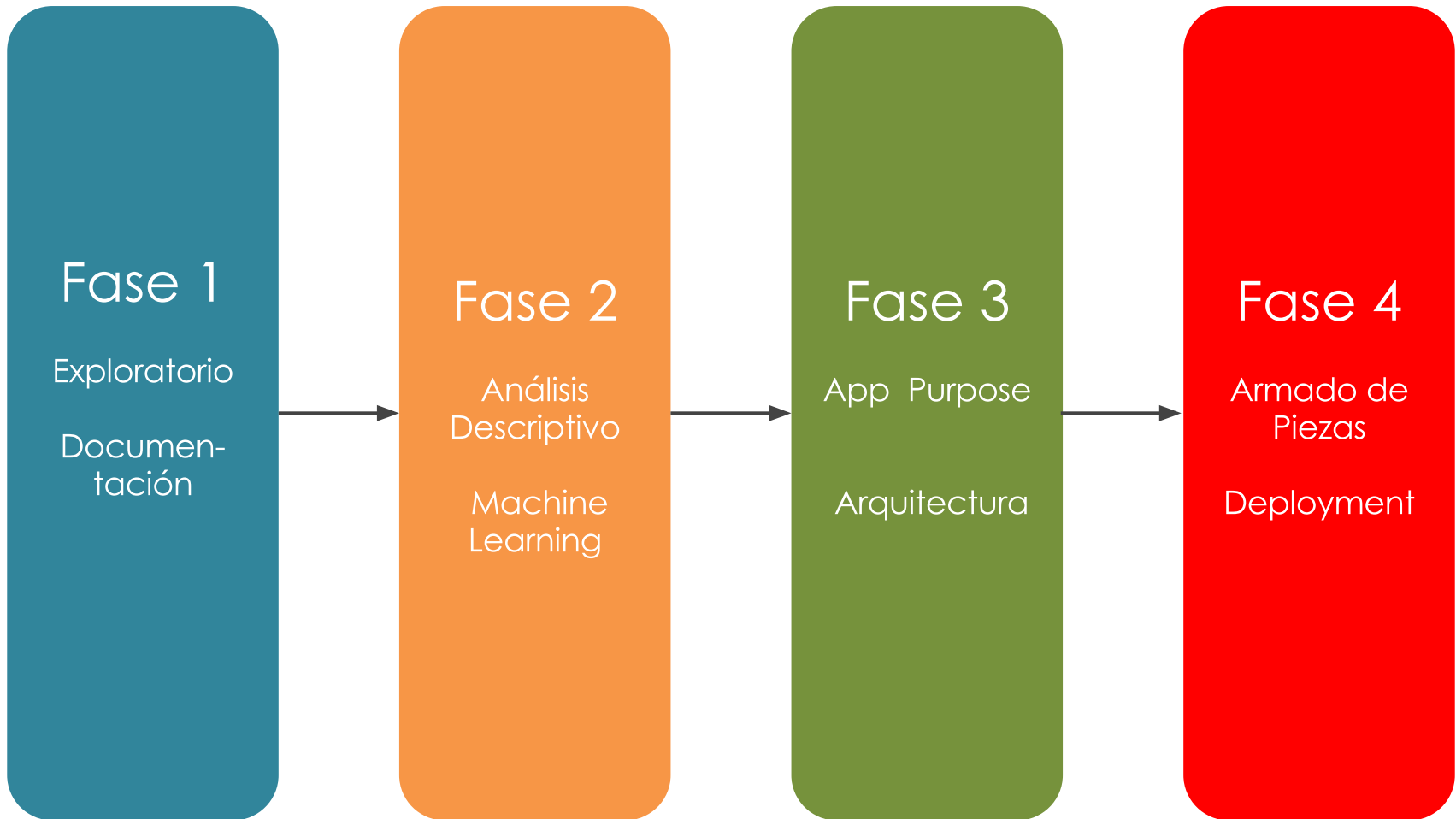


Go Google Yourself !

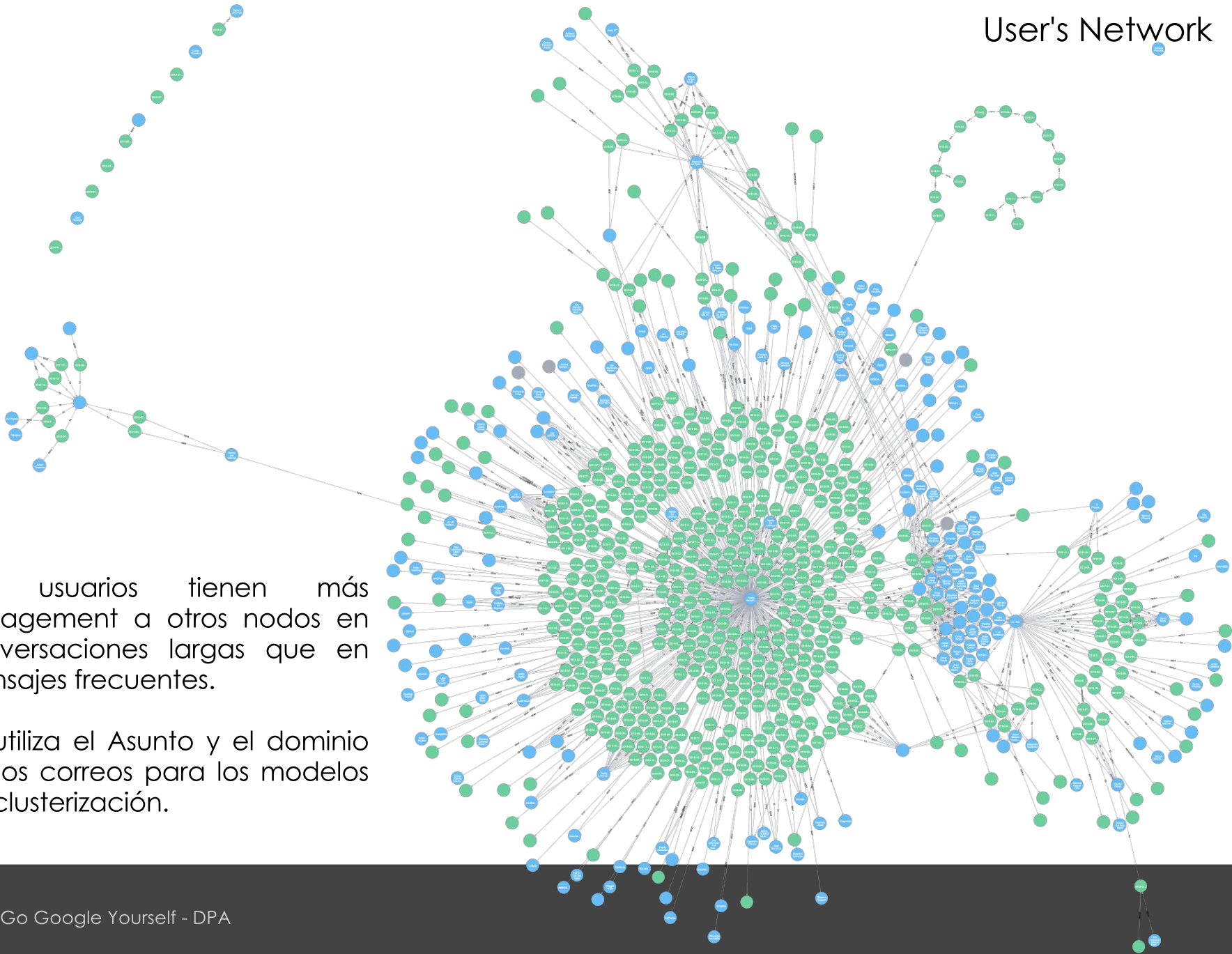
Alfredo, Alaín, Eduardo, Pedro V

Desarrollo

Fases de una Web-App cool

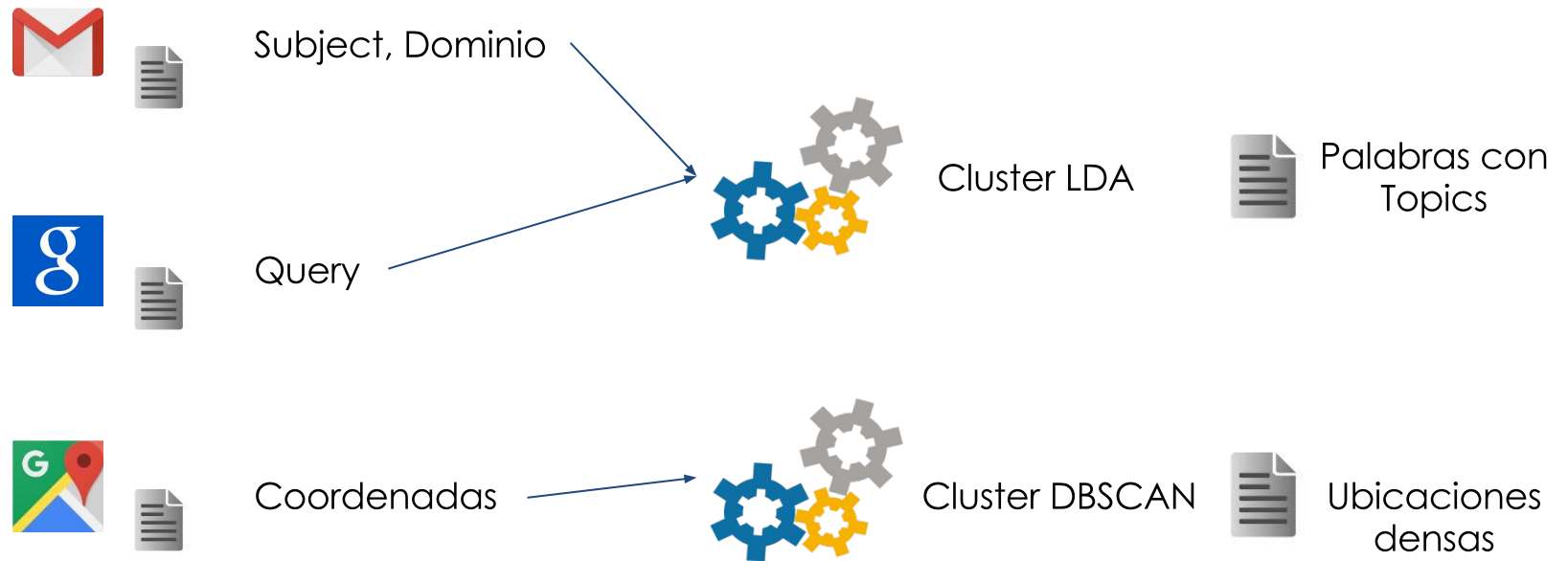


User's Network



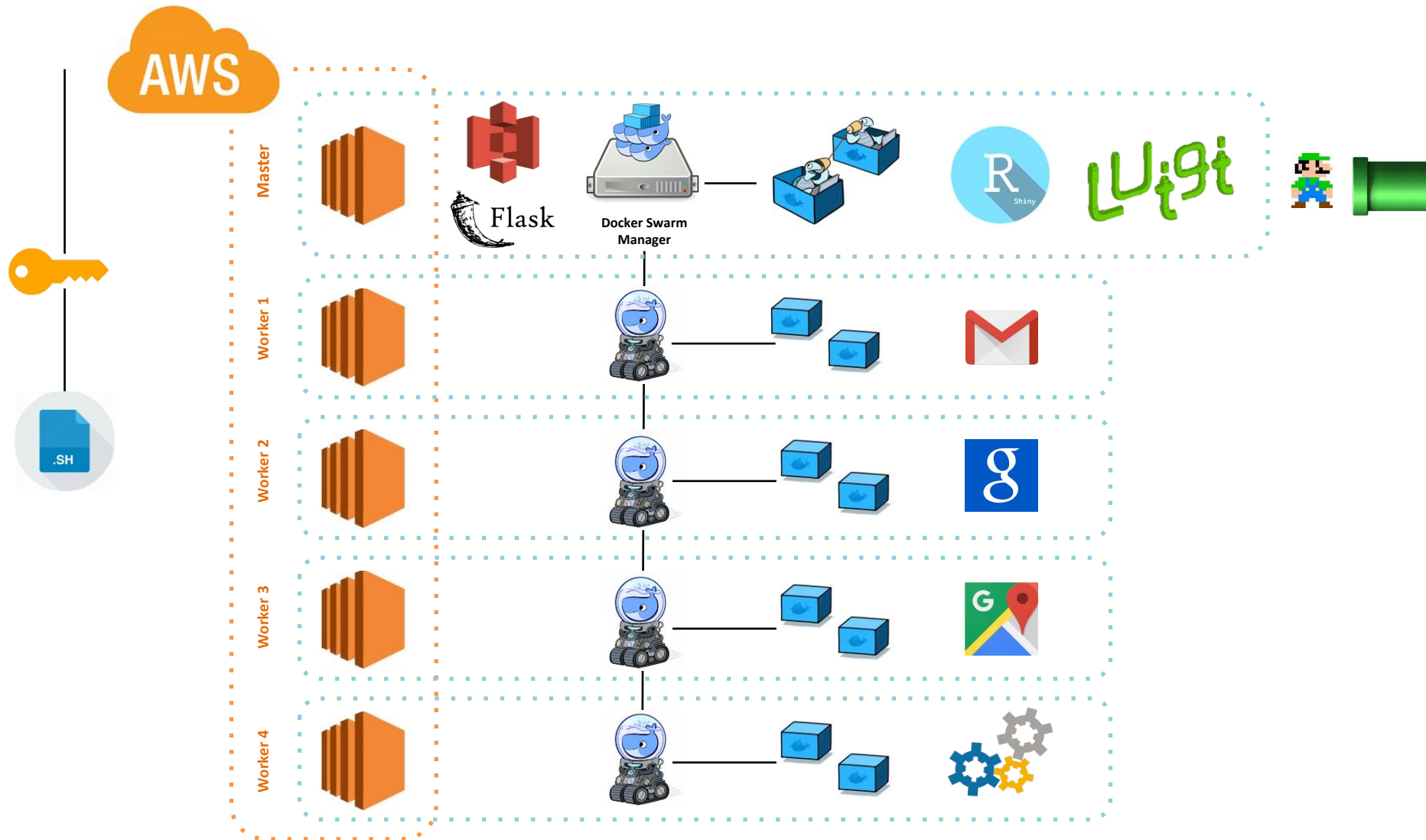
Los usuarios tienen más engagement a otros nodos en conversaciones largas que en mensajes frecuentes.

Se utiliza el Asunto y el dominio de los correos para los modelos de clusterización.



Arquitectura

Web-App Deployment



Front-End



Browser



Takeout-Data.zip



Data Pipeline

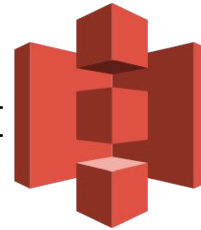


App Container EC2 Instance



Flask

Web Service port:5000



Amazon S3



Recommender System

Back-End



Docker Swarm Manager



EC2 Worker 1



pre_ubic.py



S3 Bucket



DBSCAN.py



EC2 Worker 2



pre_busq.py



S3 Bucket



LDA.py



EC2 Worker 3



pre_email.py



S3 Bucket



LDA.py

Front-End



Browser



Takeout-Data.zip



Data Pipeline

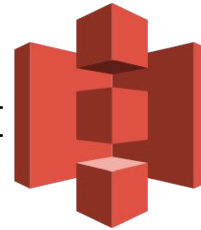


App Container EC2 Instance



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Web Service port:5000



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EC2 Worker 3



pre_email.py



S3 Bucket



LDA.py

Wt9i

Front-End



Browser



Takeout-Data.zip



Data Pipeline

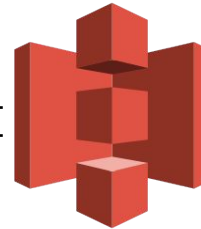


App Container EC2 Instance



Flask

Web Service port:5000



Amazon S3



Recommender System

Back-End



Docker Swarm Manager



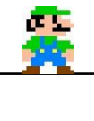
EC2 Worker 1



pre_ubic.py



S3 Bucket



DBSCAN.py



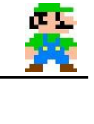
EC2 Worker 2



pre_busq.py



S3 Bucket



LDA.py



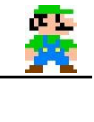
EC2 Worker 3



pre_email.py



S3 Bucket



LDA.py

Luigi

Front-End



Browser



Takeout-Data.zip



Data Pipeline



Recommender System

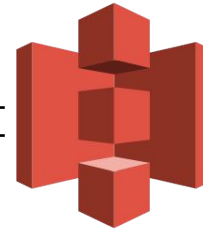


App Container EC2 Instance



Flask

Web Service port:5000



Amazon S3

Back-End



Docker Swarm Manager



EC2 Worker 1



pre_ubic.py



S3 Bucket



DBSCAN.py



EC2 Worker 2



pre_busq.py



S3 Bucket



LDA.py



EC2 Worker 3



pre_email.py



S3 Bucket



LDA.py

Wt9i

Demo

Shiny

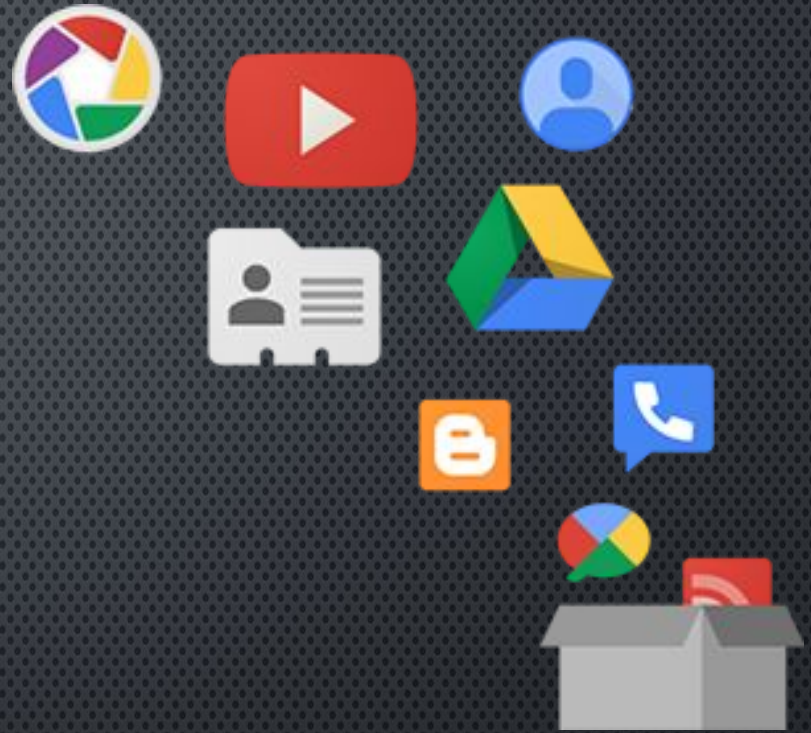
Hide Done ☐

TakeoutPipeline()

Dependency Graph



- Testers para interfaz de usuario
- Mejora de modelos
- Ajustar todos los temas de permisos
- Optimización en las tareas del pipeline
- PySpark para paralelización de modelos, etc...



Gracias !

Alfredo, Alaín, Eduardo, Pedro V