



PERFORMANCE







BIG AND INDUSTRIES Big Oata Consulting



CLOUD DRAWBACKS





AMAZON COMPLIANCE

- ISO-27001
- ISO-27017/18
- PCI DSS L1
- HIPAA
- **EU DATA PROTECTION DIRECTIVE**
- **EU MODEL CLAUSES**



HADOOP IN THE CLOUD?

AZURE HDINSIGHT

AMAZON EMR

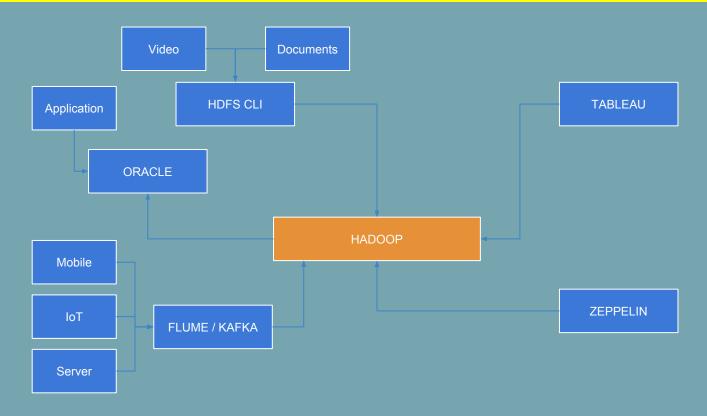
GOOGLE DATAPROC





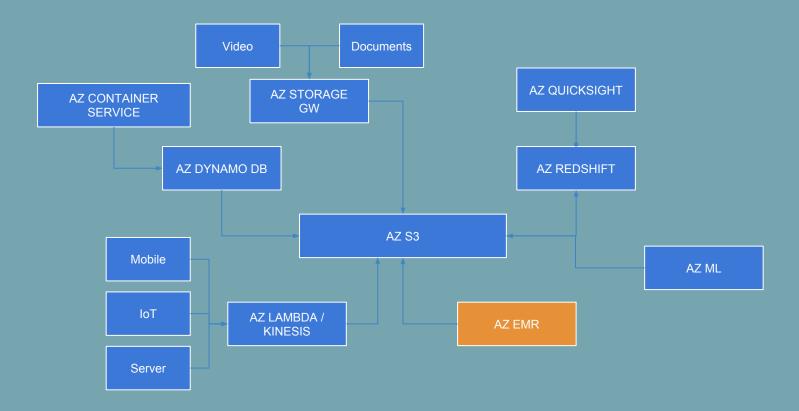


CLASSIC HADOOP BIG DATA ARCHITECTURE



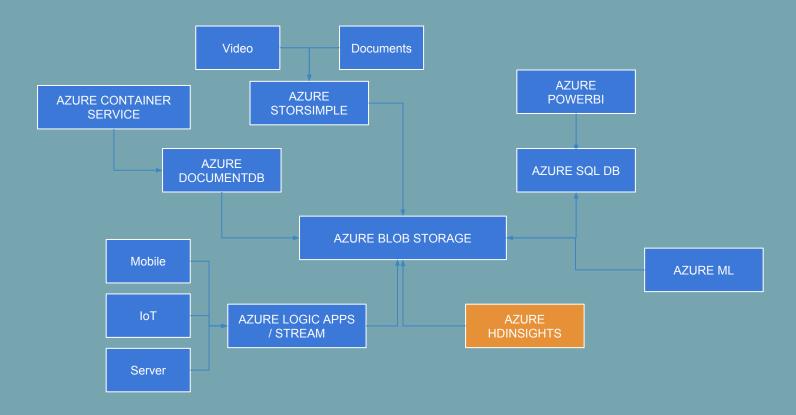


CLOUD BIG DATA ARCHITECTURE (AWS)





CLOUD BIG DATA ARCHITECTURE (AZURE)







BIG DATA SECURITY RECOMMENDATIONS ON AWS

- USE AWS IAM
- APPLY VPC-ENDPOINT RESTRICTIONS
- APPLY S3 POLICY RESTRICTIONS
- USE S3 CLIENT MANAGED ENCRYPTION
- INVEST IN AWS CLOUD HSM
- USE AWS CLOUD TRAIL
- USE AWS EMR WITH A CUSTOM CRYPTO CODEC



