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DATA LAKEHOUSES Date lake house combines the best fedures at Data lake and data warehouse to provide flexible and low to cost data storage If used low cost storage that werd in defetable and merge all lake into single system. which enable data team to work faster as they don't have to access molfiple sktem Data lakehouse provide most aplaked data la Date science, machine learning an) BA projects

A DATH MESH: It I lest.

The Decembralized form of date Sterage where the ownership of dates belongs to the producer of that dates Dusiness Jemain fereg marketing, finance which provide according and time saving for the Lecision making, and more hexible & responsive Late architecture. 4 DWH VS DL * Dala wavehouse consist of strudurel Lita as DL consist of unstructured later. p Dale warehouse store Late in optimized form in schemes while lake lake store date in vow form & DWH is used fransactional services or EPR & CRM shows as also in contain historical data while De is used for exploratory analysis and ML on vaw data * DWH comes with high cost do because of high access time vs dota lake comes with low cost and scalable

& OLIP VS OLAP Unlike transaction process (DUTP) is a transact ional database that is designed for day to Ley service fer an organization. It stores real fine transaction data Its is a fast & efficient data storage and religional. where as OLAP (Online analytical broces) is it is designed for data analyst and reporting is it contain large amount of historical data OLAP database are optimized for queries & date analysis on I typically used madel for rapy querying