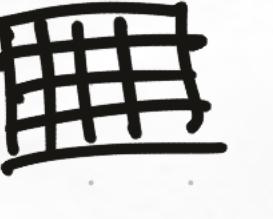


DATA STORES IN FABRIC

LAKEHOUSE -

DATA WAREHOUSE -

KQL DATABASE

DATA TYPES	STRUCTURED (TABLES) SEMI-STRUCTURED (CSV, JSON) UNSTRUCTURED (IMAGE, AUDIO)	STRUCTURED (TABLES)	STRUCTURED - SEMI-STRUCTURED.
LANGUAGES	SPARK - SPARK SQL, PYSPARK, SPARKR SCALA -  PYTHON (PANDAS) / T-SQL (READ-ONLY)	T-SQL / - QUERIES STORED PROCS  READ + WRITE.	KQL SQL
+ (COPilot?) low-code/no-code.	DATA WRANGLER	X - Coming soon. VISUAL QUERIES	X
ECOSYSTEMS	SPARK } MACHINE LEARNING PYTHON } DATA VALIDATION	SQL PROJECTS DBT - SOURCE CONTROL - VALIDATION.	.
SECURITY CONFIGURATION	LH SPARK - NONE SQL - RLS* → VIEWEL ROLES OWNER.	DW+ OBJECT-LEVEL (TABLE, VIEW) ROW-LEVEL COLUMN-LEVEL DYNAMIC DATA MASKING.	KQL ROW-LEVEL (RLS).
TYPICAL WORKLOADS	FILE → STRUCTURED TRANSFORMATION ↳ COMPLEX ↳ MACHINE / DATA SCIENCE.	- ANALYTICAL MODELLING DIMENSIONS FACTS STAR SCHEMAS AGGREGATIONS.	INCOMING STREAMING DATA TIME-SERIES ANALYSIS ↳ REAL-TIME.
UNIQUE FEATURE	✓ GIT	X TABLE CLONING.	X
PERSONAS	✓ DATA ENGINEERS ✓ DATA SCIENTIST	DBT (Developers POWER BI Devs.)	Data Engineers Analysts