Comparision of various datawarehouse tools

	Redshift	BigQuery	Snowflake	IBM Db2	PostgreSQL	Azure Synapse Analytics
Type of Data	Structured	Structured and Semi-structured	Structured and Semi-structured	Structured	Structured	Structured and Semi-structured
Scaling for data storage	Scales horizontally by manually adding new nodes	Automatically resizes your warehouse without storage limits	Automatically scales to keep queries fast	Automatically scales by adding new nodes as needed	Requires manual data partitioning to scale effectively	Automatically scales by adding new nodes as needed without storage limits
Scaling for Performance	You can manually add nodes to keep queries fast	Uses available resources as needed,no configs to improve speed	Clusters automatically spin up and down depending on usage	Auto-scales clusters when needed to keep queries fast	Generally run on a single machine	Manual OR option for auto-scaling to keep queries fast
Maintenance	Requires some manual maintenance	Fully managed	Fully managed	Fully managed	Requires manual maintenance	Requires some manual maintenance
Ecosystem	AWS ecosystem	Google Cloud Platform ecosystem	AWS& Google Cloud	IBM ecosystem	Large ecosystem of compatible products	Microsoft ecosystem
Cost	Pay per hour based on nodes or per bytes scanned	Pay per query(more data drives cost per query up) and flat rate	Pay for storage and compute time	Pay for storage and compute time	Free	Pay for storage and Compute time