Batch Processing

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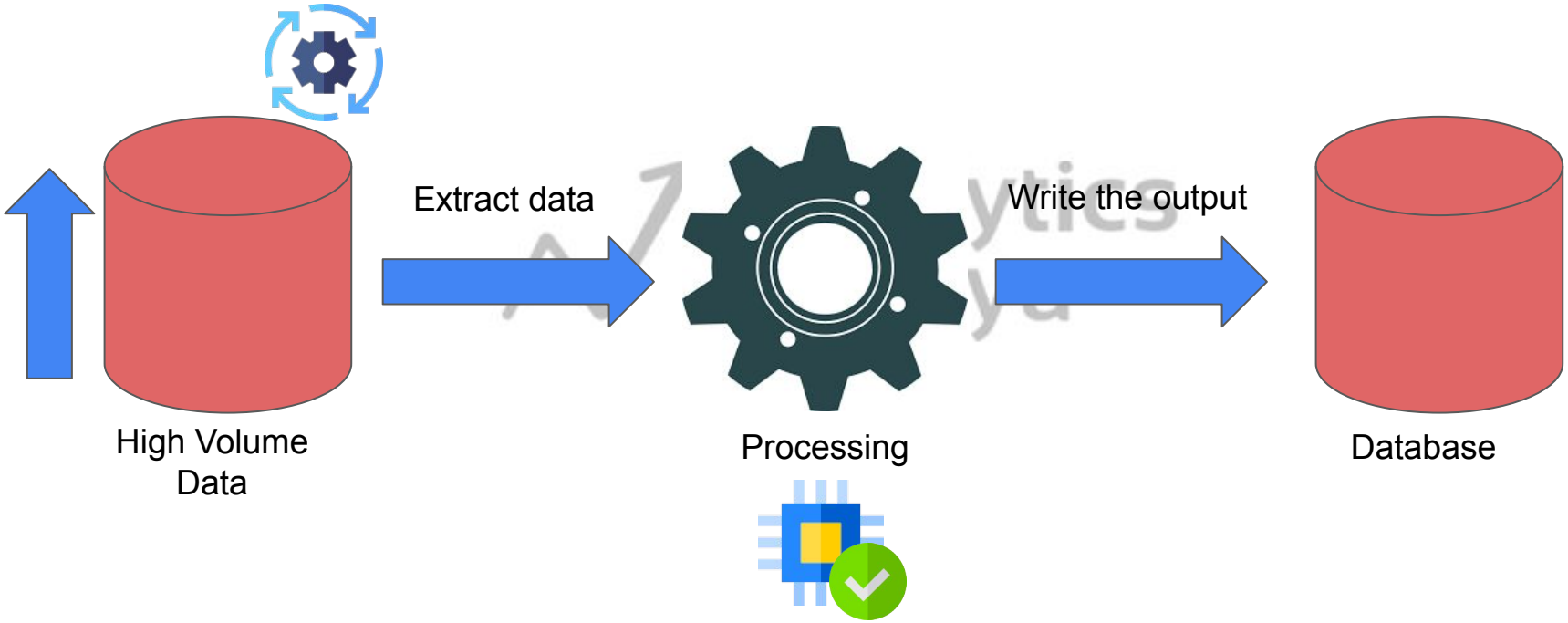
Batch Processing

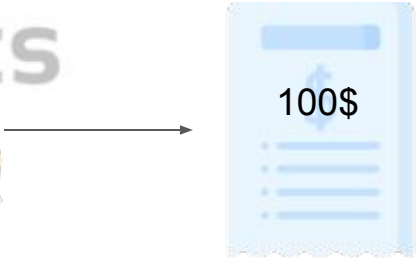
Batch Processing



Batch Processing - Examples

Wholesale Company

Credit Card



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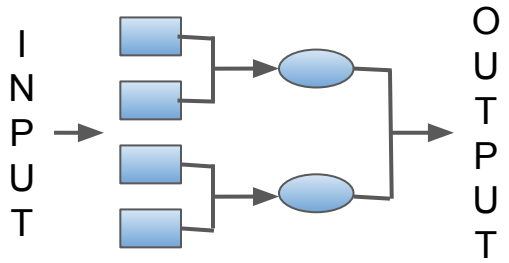
Batch Processing Tools and Frameworks

Most popular tools and frameworks:



Batch Processing vs Stream Processing

	Batch Processing	Stream Processing
Data Scope	Queries or processing over all or most of the data in the dataset	Queries or processing over data within a rolling time window, or on just the most recent data record

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Batch Processing vs Stream Processing

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Data Set	Large batches of data	Continuous streams of data

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Performance	Latency could be minutes, hours, or days	Latency must be guaranteed in milliseconds
Complex analytics	Simple aggregations like average time spent	Complex aggregations like sliding windows.

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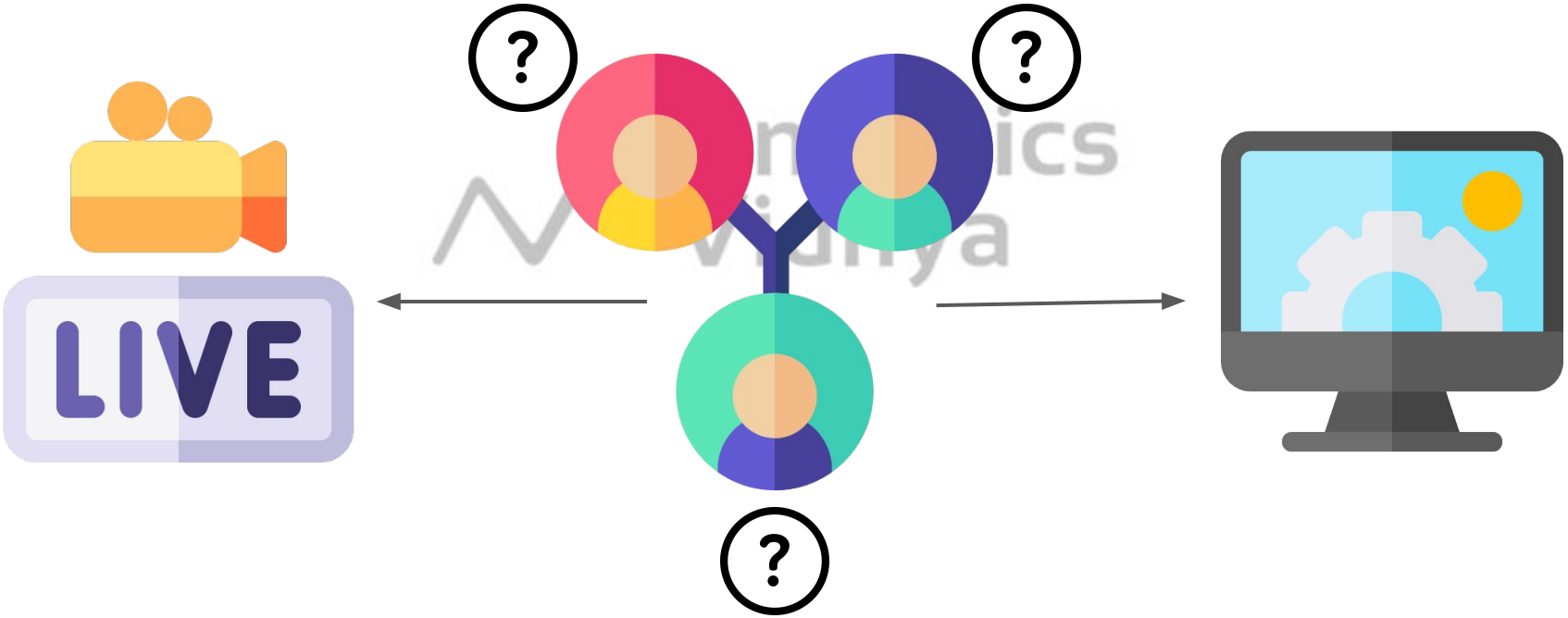
Which One to Choose ?

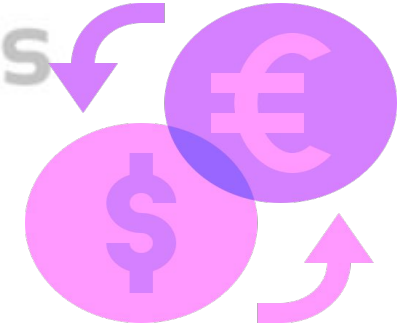


Batch Processing

Examples are things like:

Invoices

Payroll processes



Financial Transactions

Stream Processing

Examples are things like:

Cyber Security and
Fraud Detection

Thank You