Apache Beam in the Data Processing Life Cycle

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Data trends

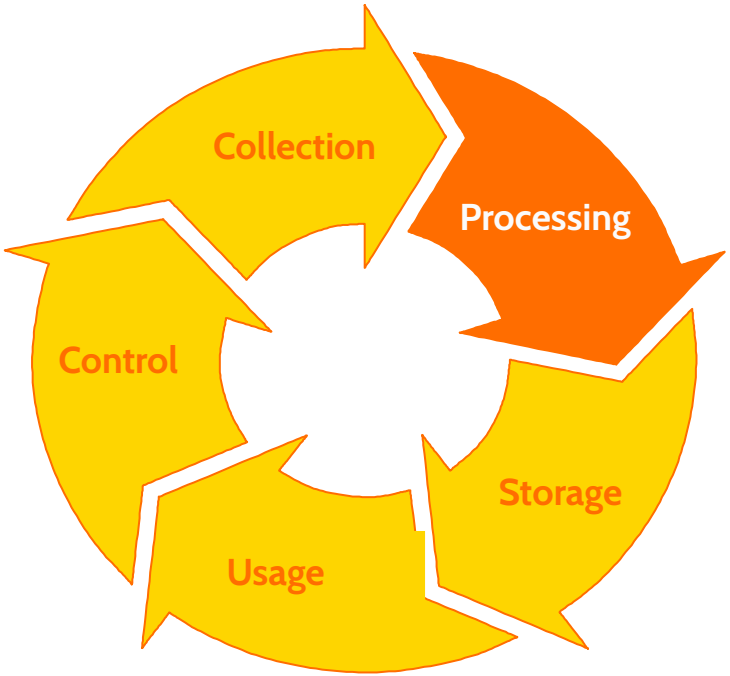
Happening Now

- Migration to the Cloud
- Massive amounts of (raw) data
- Emergence of new regulations
- Need to reduce time to insights

Emerging Trends

- Data reliability
- Real-time analytics
- Governed data democratization
- AI/ML operationalization

Data analytics & data processing



The data analytics cycle

Data analytics encompasses the complete data management cycle, from collection to quality and access control.

Data processing is a component of the Data Analytics practice. It generates valuable insights and information.

The data processing life cycle and where Beam sits

Types of data processing & examples

- Always fresh and up to date content
- Add resources for other runners, new IO connectors, sinks and sources
- Build more use case based code samples and demos

Where Apache Beam sits

The Apache Beam value proposition for emerging trends

Thank You!