TaskRouter: A Newly Designed Online Data Processing Framework

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June, 2016
What is TaskRouter?

- A pure software framework for the development of flow based online data processing systems. It is
  - Distributed, with flexible data flow
  - Small and easy to use

- Its core design intends to solve the following common issues of distributed computing
  - Data transmission.
  - Monitoring the status of all data flow modules
  - Load balance for distributed task processing
  - Node failures detection and automatic recovery

- So, Framework users can focus on the data processing algorithms
What will be shown in the poster?

- Core design
- A prototype online software based on TaskRouter
- Preliminary test results

Component View of TaskRouter

Prototype Online Processing Implementation based on TaskRouter

Failure Auto Recovery
Thanks!

Wish to see you later!