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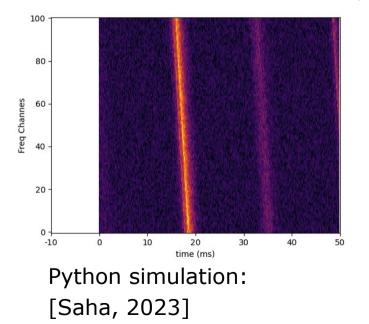
Pulsar Data Analysis Update on Tool Status

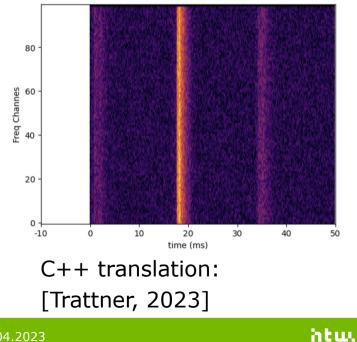


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Implementation of Pulsar Simulation

Simulation of Pulsar data is at first conceptualized in Python and then translated to C++ for performance

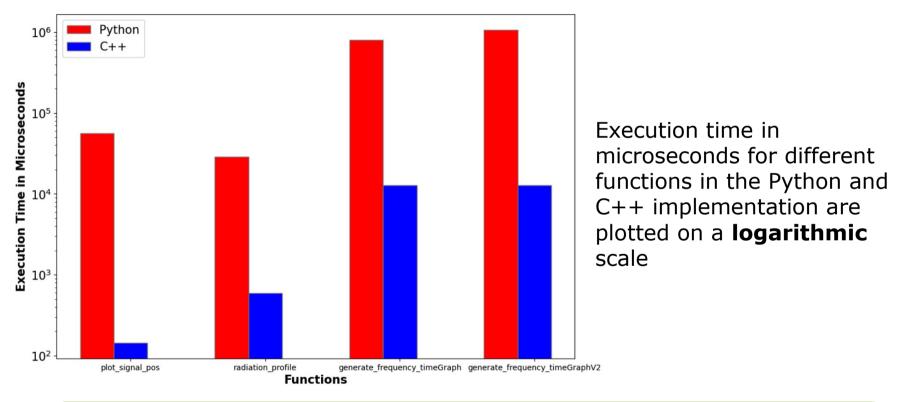




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Python vs C++ Execution Time

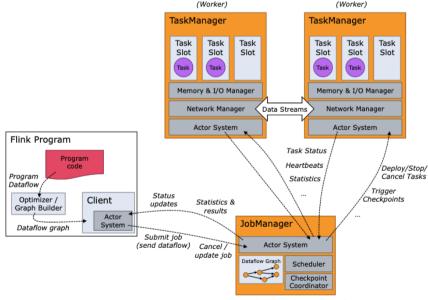


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Next steps: Making Decisions for Architecture



⁽Master / YARN Application Master)

- How can performance in parallel processing scale up?
- How can we distribute data chunks to individual workers?
- When is data loaded into memory and can we use this to optimize performance?
- Can we make decisions now that help avoid data lakes?
- Current research object: Apache Flink (overview left)

https://nightlies.apache.org/flink/flink-docs-release-1.16/docs/concepts/flink-architecture/

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