



# Stateful Processing

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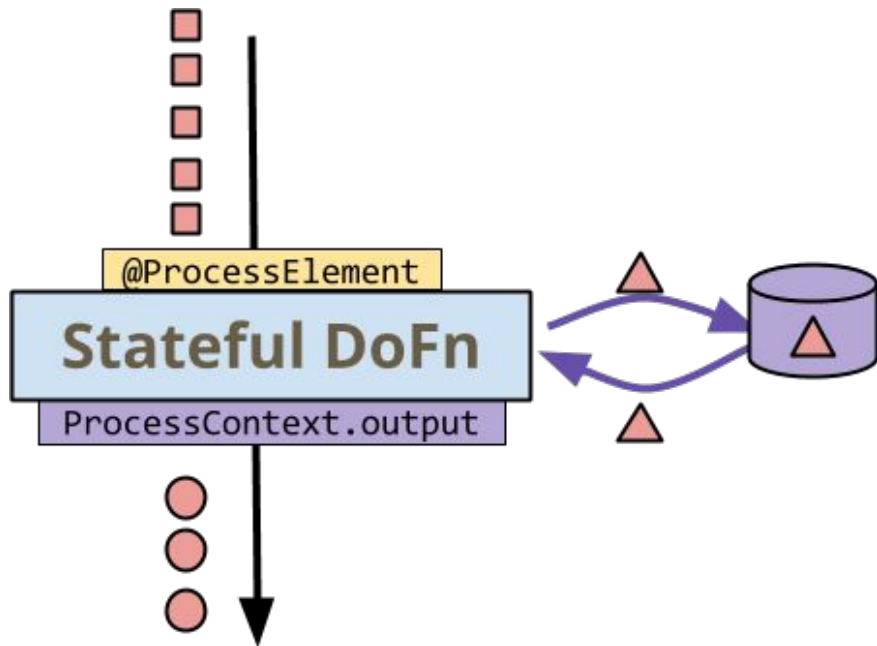


# Agenda

- Stateful Processing
- Code
- Demo
- Resources

# Stateful Processing

- With State, DoFn has ability to access persistent mutable state
- All the elements are key-value pairs
- Runner invokes DoFn method with each element for a key+window
- DoFn Reads and Writes state
- DoFn emits output to the runner once either process element is done or timer callback is triggered.



# Demo



# Resources

- Concept: <https://beam.apache.org/blog/stateful-processing/>
- Code: <https://github.com/rakeshcusat/beam-starter-python/pull/1>
- Reach out for help on [Discord channel](#)

# Anything else?

