

# BufferedFilter operator

This operator can be used to reduce data rate. It buffers incoming elements on port 0 (left) for `bufferTime` and evaluates a predicate over the elements on port 1 (right). If the predicate for the current element `e` evaluates to true, all elements from port 0 that are younger than `e.startTimestamp()-bufferTime` will be enriched with `e` and delivered for `deliverTime`. Each time the predicate evaluates to true, the `deliverTime` will be increased.

## Parameter

- `Predicate`: The predicate that will be evaluated on element of port 1
- `BufferTime`: The time in history, the elements will be kept in history
- `DeliverTime`: The time in the future, the elements will be delivered

## Example

### BufferedFilter Operator

```
output = BUFFEREDFILTER({predicate = 'id == 2 || id == 4 || id == 10', bufferTime = 5000, deliverTime = 20000},  
left, right)
```