Notified Access Implementation Discussion

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MPI Forum

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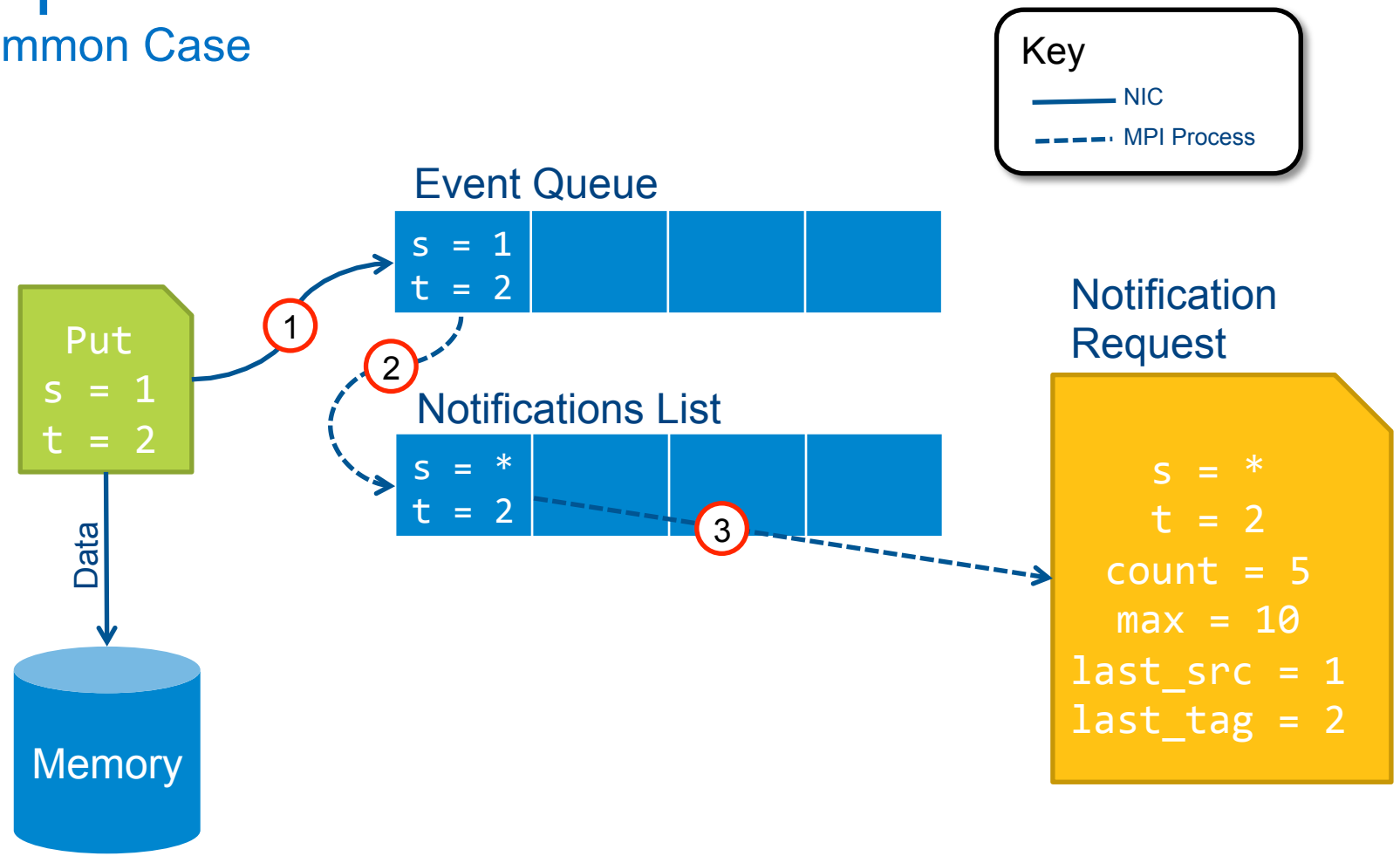
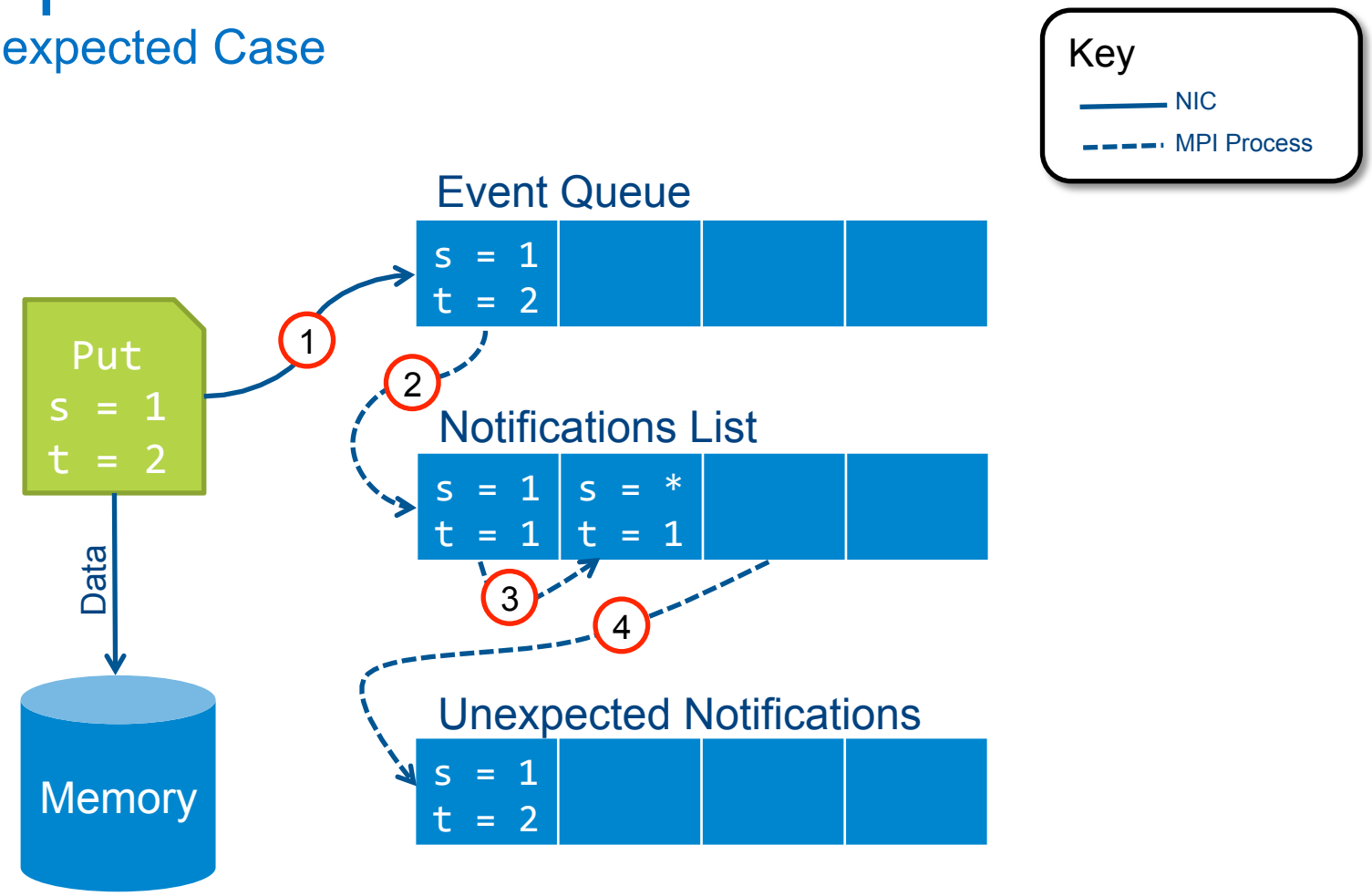
Implementation Sketch

Common Case



Implementation Sketch

Unexpected Case



Implementation Gotchas

Event queue and unexpected notification space exhaustion at target

- Requires flow control
- Need to preserve RMA ordering

RMA would need to perform ordered tag matching

- Adds overhead, could impact performance for small messages

Things that could make this proposal better

- Eliminate returning last source/tag in MPI_Status
- Eliminate unexpected notifications
- Eliminate matching ordering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