

# Pattern: Polling publisher

## Context

You have applied the Transactional Outbox (<transactional-outbox.html>) pattern.

## Problem

How to publish messages/events into the *outbox* in the database to the message broker?

## Forces

## Solution

Publish messages by polling the database's outbox table.

## Examples

- Eventuate Tram framework (<https://github.com/eventuate-tram/eventuate-tram-core>) implements polling.

## Resulting context

This pattern has the following benefits:

- Works with any SQL database

This pattern has the following drawbacks:

- Tricky to publish events in order
- Not all NoSQL databases support this pattern

## Related patterns

- The Transactional Outbox (<transactional-outbox.html>) pattern creates the need for this pattern.
- The Transaction log tailing (<transaction-log-tailing.html>) pattern is an alternative solution

## Learn more

- My book *Microservices patterns* (</book>) describes this pattern in a lot more detail.
- The Eventuate Tram framework (<https://github.com/eventuate-tram/eventuate-tram-core>) implements this pattern

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