

SCHEDULER VS EXECUTOR

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Problem statement

People think in two protocols in terms of PO433:

- Executors
- Schedulers/senders/receivers

People often use the terms of schedulers and senders/receivers interchangeably.

From our perspective they are not the same things.



Example

From P0443 1.5.3 Scheduler:

- "Like executors, schedulers act as handles to an execution context.
- Unlike executors, schedulers submit execution lazily, but a single type may simultaneously model both concepts.



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THE STATE OF THE ART





























CAN WE DO THE FOLLOWING?





Apply the 5th item from P2235R0

From P2235R0 :

• "5. Separate algorithms, most likely and preferably with names other than 'execute', can be provided in e.g. P1897 to allow straightforward fire-andforget on schedulers or senders."





