
Stefan Djokic

Circuit Breaker Pattern

Simple use-case

swipe >>>



With Circuit Breaker



e-commerce
checks with the
circuit breaker
first "breaker are
you closed?"

Yes I am.

e-commerce knows
it can call payment
service



e-commerce
checks with the
circuit breaker
first "breaker are
you closed?"

Nope.
I'm open

e-commerce knows
payment service is
not available and
does not call it.

e-commerce got an answer about availability in 10ms
instead of waiting timeout (for example 10s)

What if payment service
becomes available?



e-commerce
checks with the
circuit breaker
first "breaker are
you closed?"

Nope.
I'm half-open



This gives a signal to the e-commerce platform that it can send requests, but that only a certain number of requests will be processed.

What is that number?

Well, as many as it takes for the circuit breaker to understand that the payment service is in good condition.

After that, it will switch it to CLOSED.

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