Failing and Recovering Quickly with the Circuit Breaker



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Introduction



Reactive

Stabilizes local and remote

Cuts connection

Mirrors real world circuit breaker

Open or closed



Circuit Breaker Open and Closed





Circuit Breaker Policy Versions

Original

V4.0

Advanced

V4.2



Comparing the Original and Advanced Circuit Breaker

Original Circuit Breaker

Simple sum of failures

No minimum throughput

Advanced Circuit Breaker

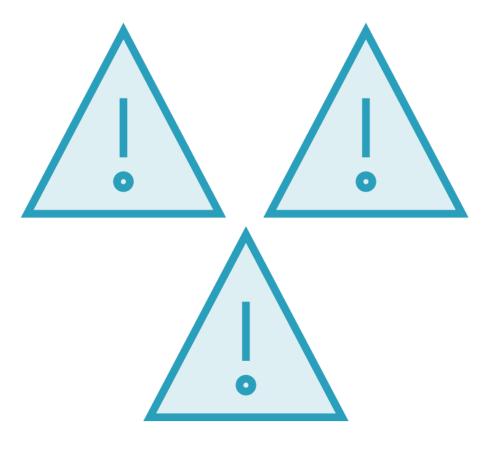
Percentage of failures over time

Has minimum throughput



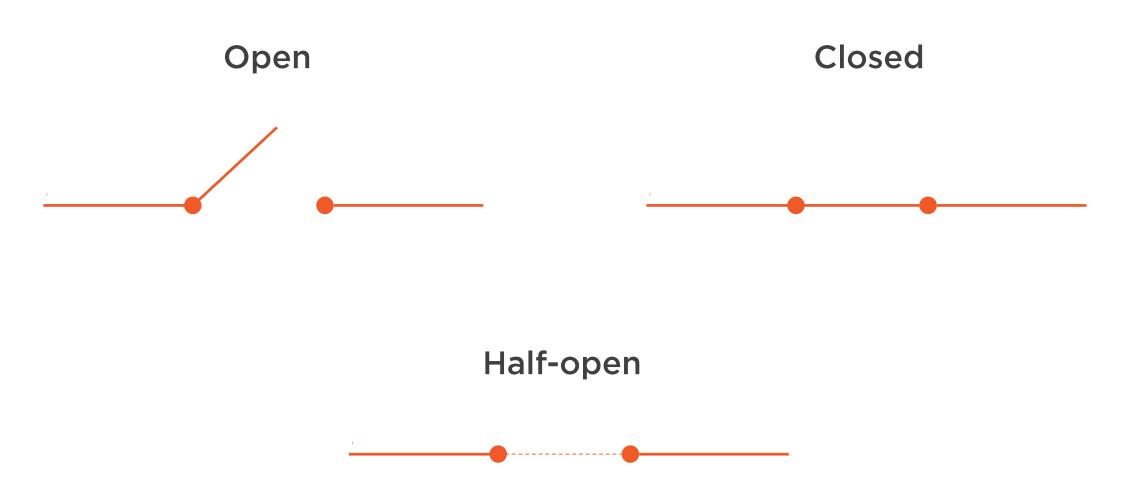
When the Circuit Breaks







Circuit Breaker States





Circuit Breaker Policy States

Closed to open

Open to half-open

Half-open back to open

Half-open to closed



Original Circuit Breaker



Advanced Circuit Breaker



Summary



What a circuit breaker is

How and why

Usage examples

Demos

