

Building Distributed Systems with Akka.NET Clustering

INTRODUCING CLUSTERS AND WHAT THEY CAN DO FOR YOU

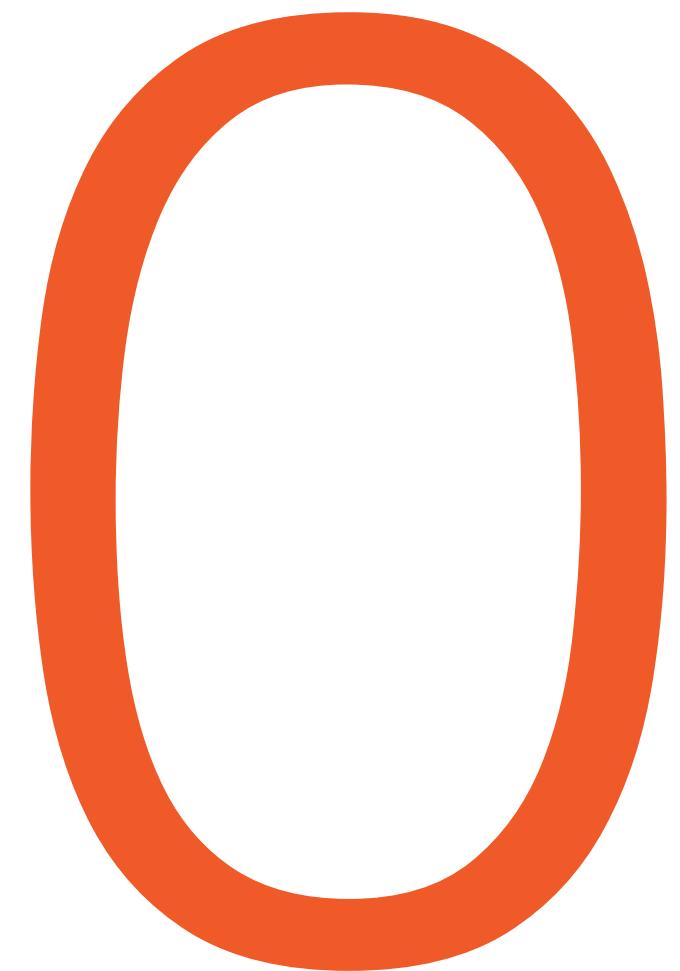


Simon Anderson

@thelegendofando

Complex





Code changes

build your very own
concurrent, distributed
system which is
fault tolerant and can
scale up or down





Node 1



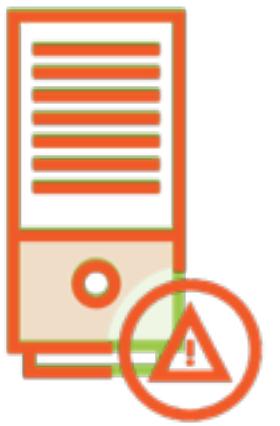
Node 2



Node 3



Node 1



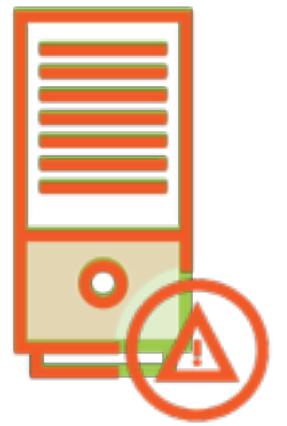
Node 2



Node 3



Node 1



Node 2



Node 3



Summary

- Clusters
- Fault tolerance
- Scalability
- Globomantics



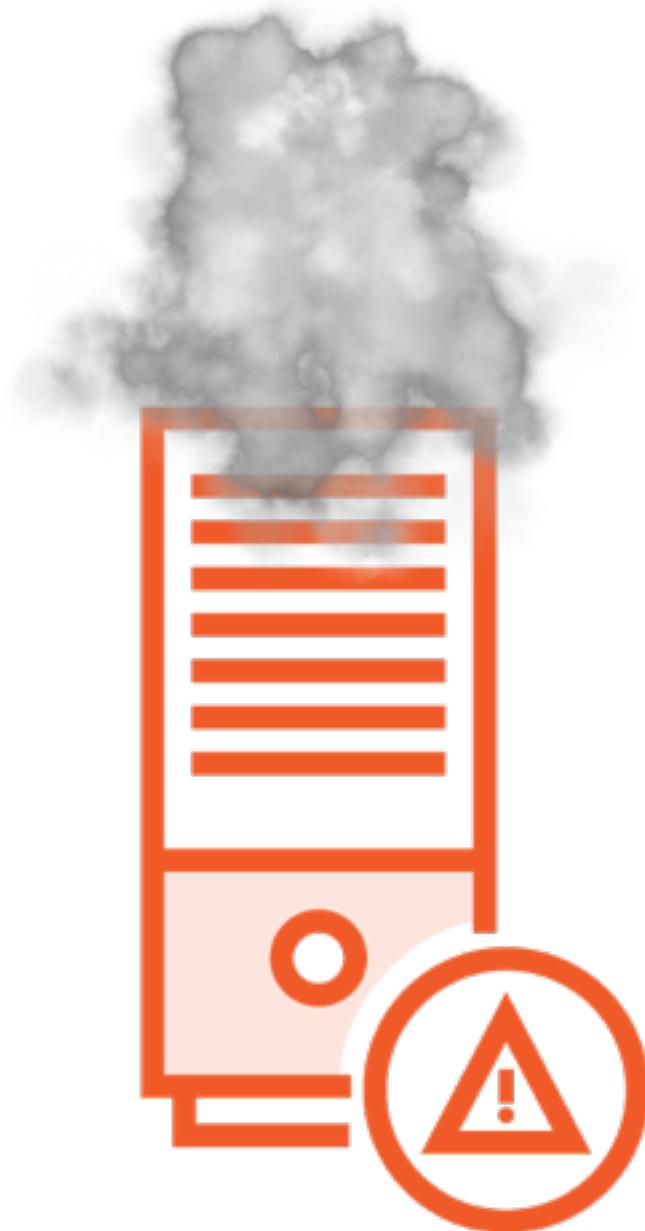
Video recommendation service



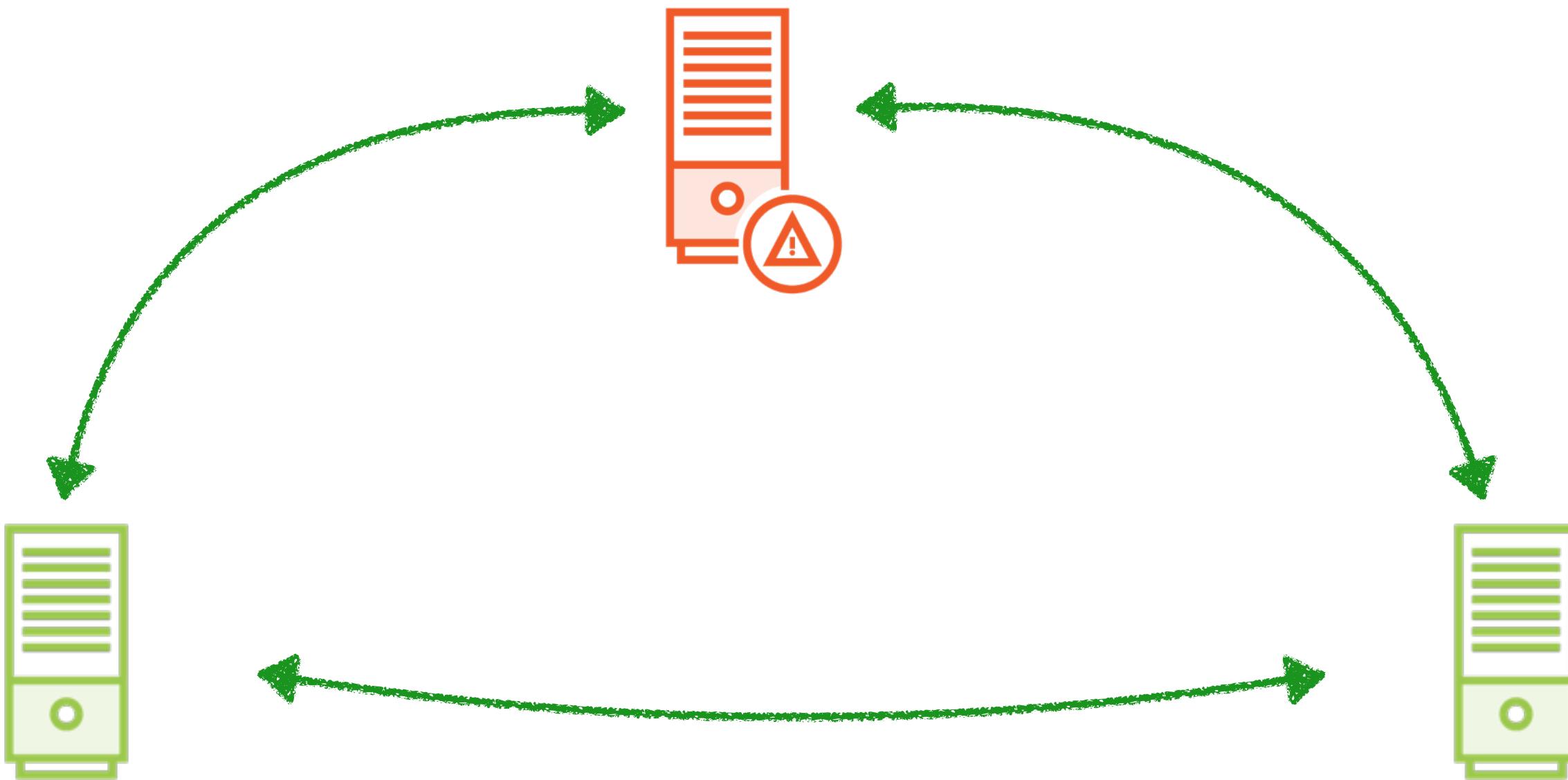


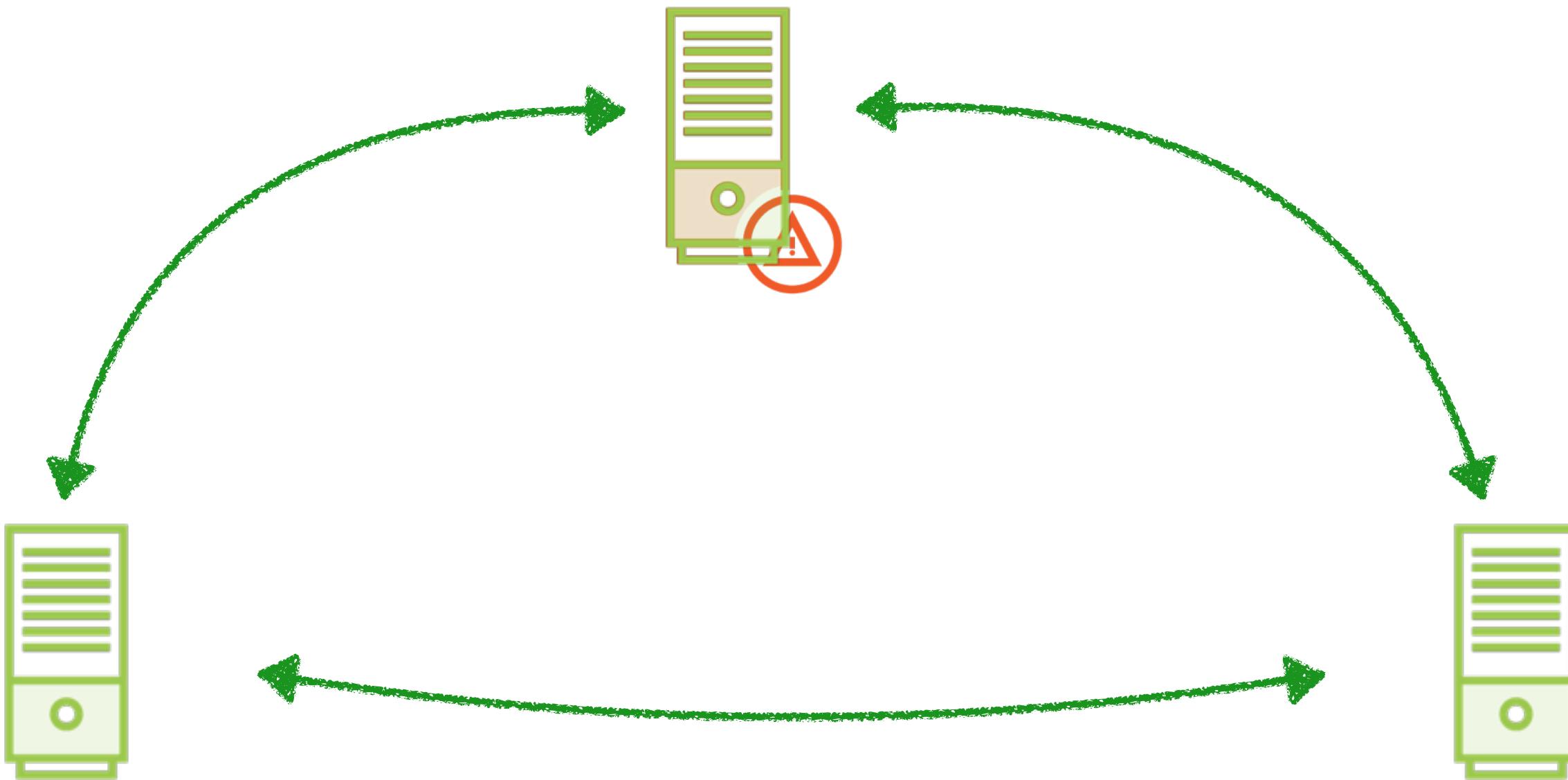












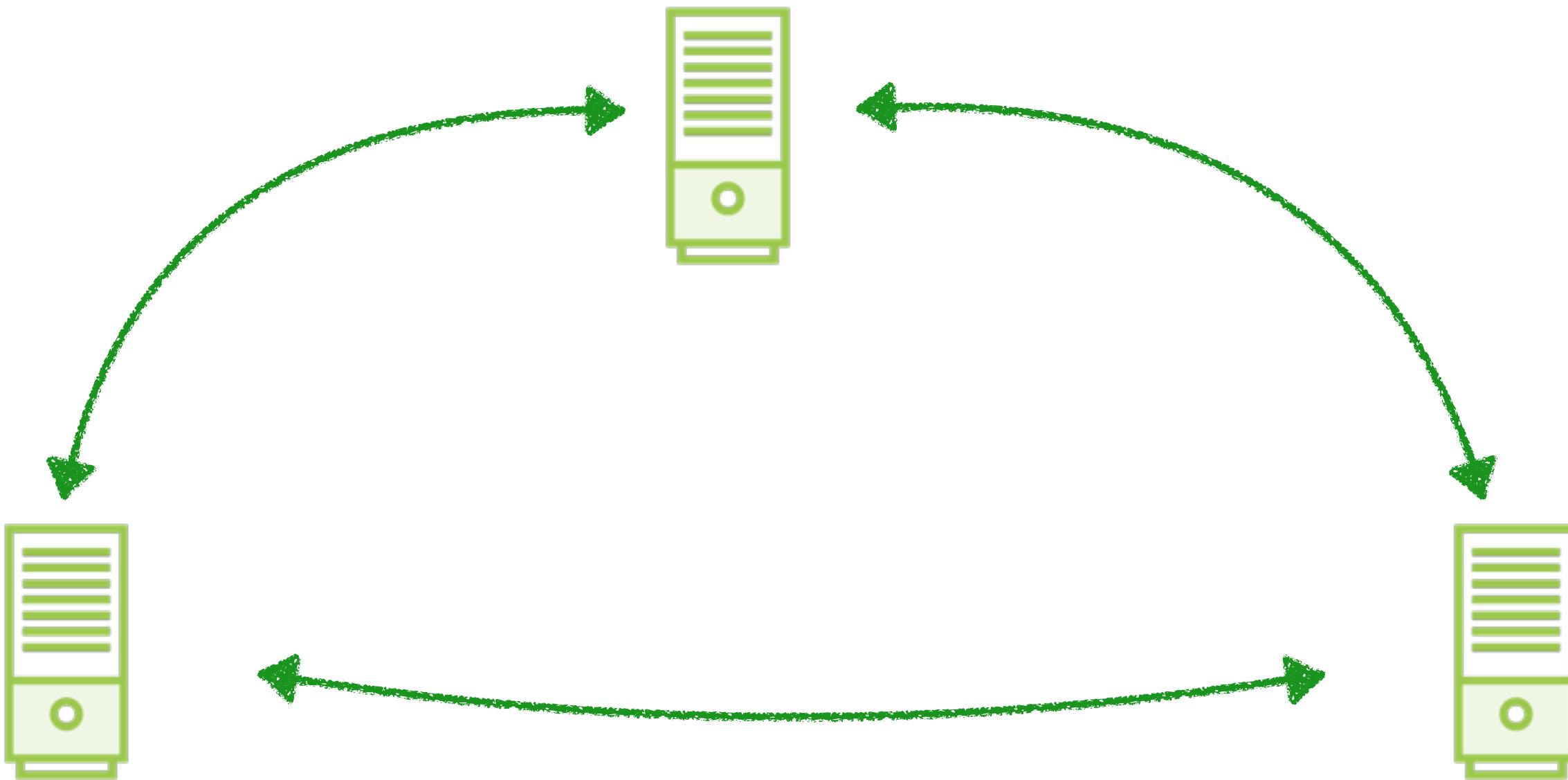
Fault Tolerance

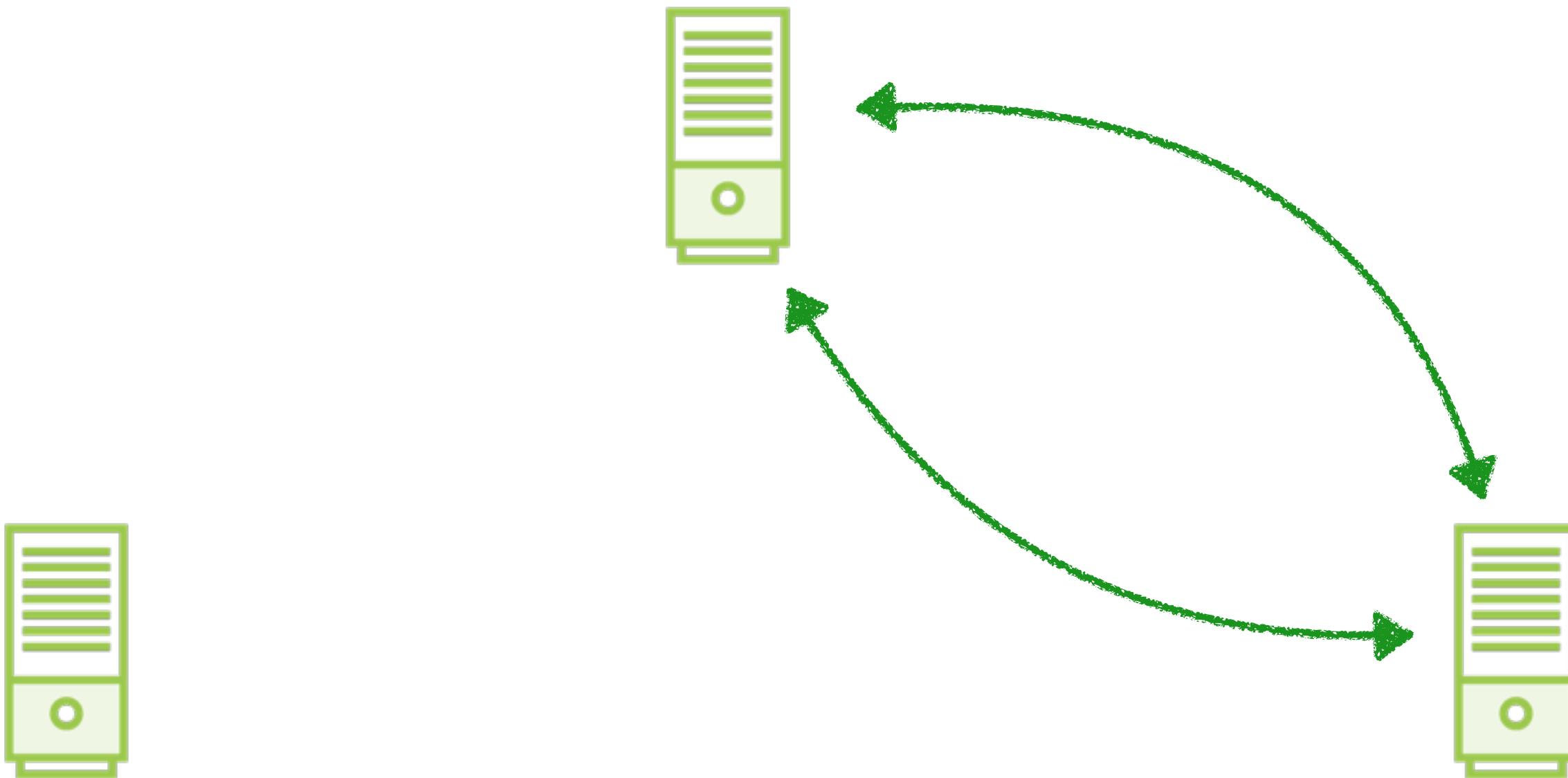


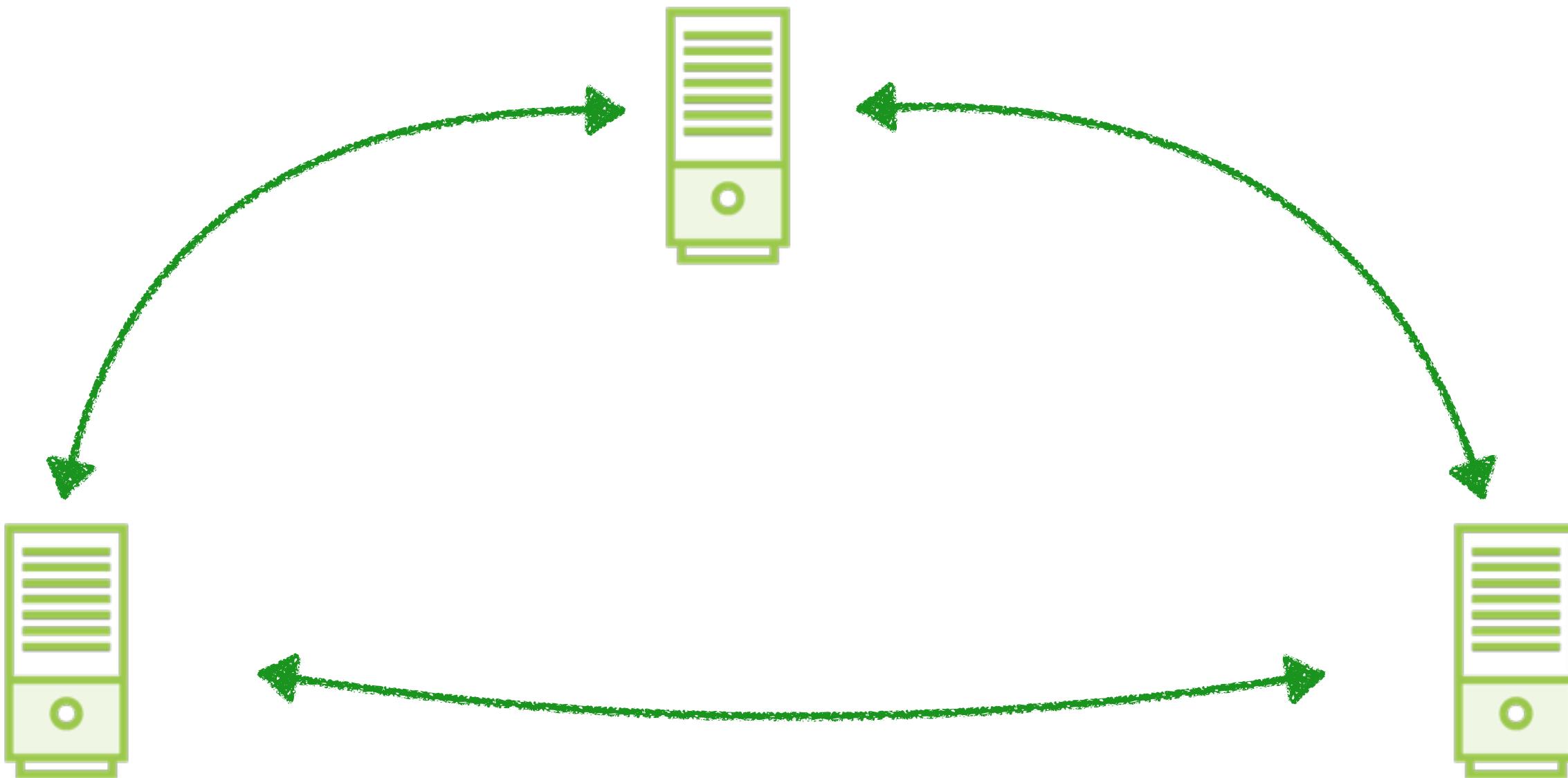
“Anything that can go wrong, will
go wrong”

Murphy's Law



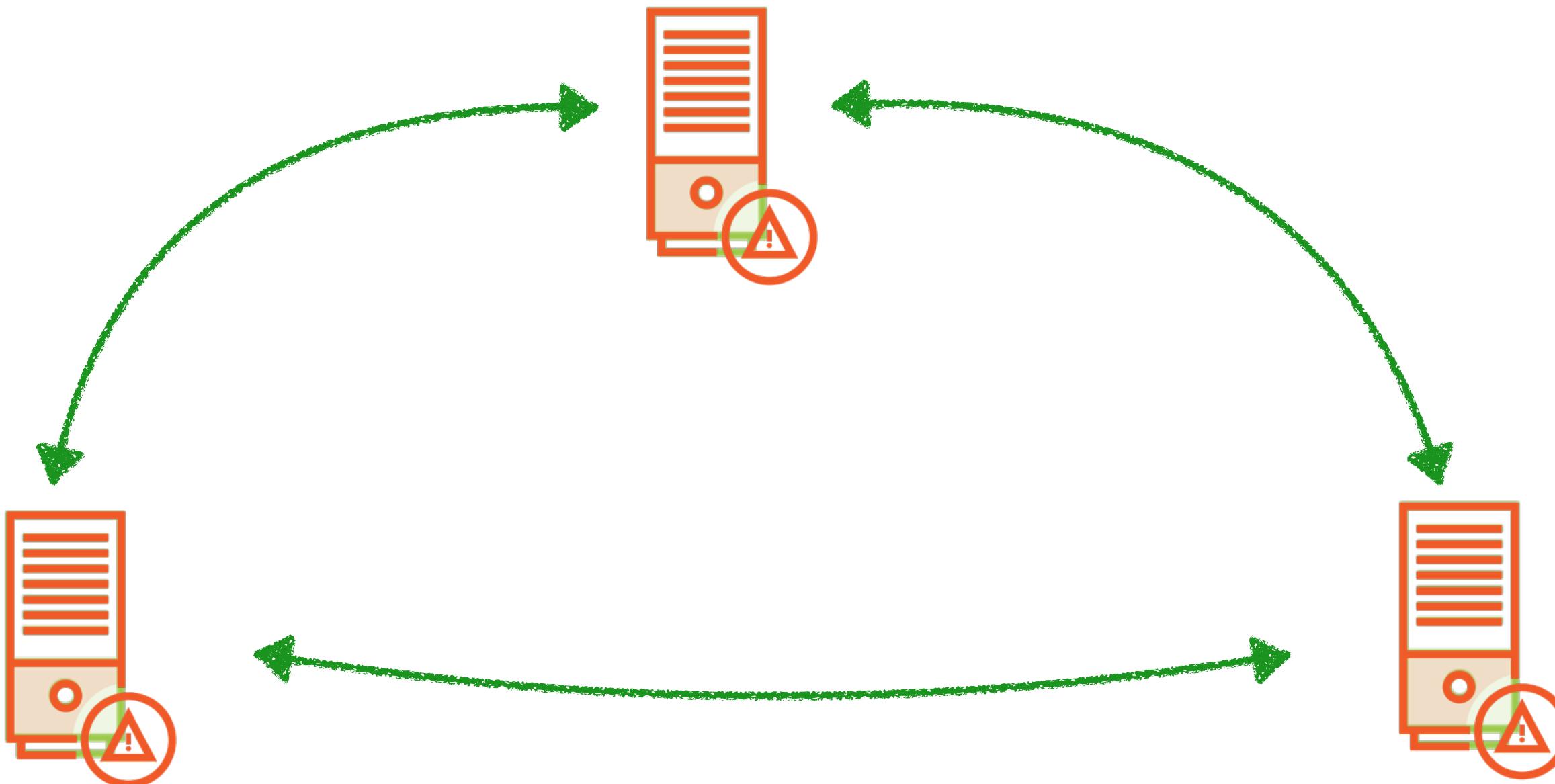


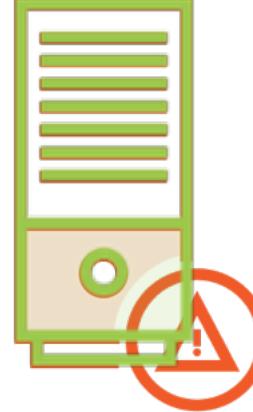
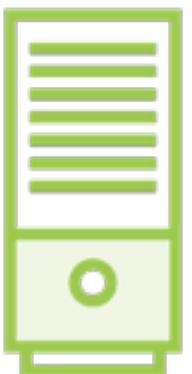
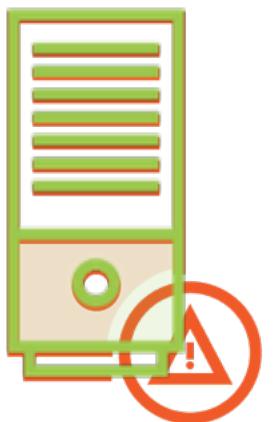




Scalability









Recap

- Clustering concept
- Clusters handle faults
- Clusters scale out
- Easy!