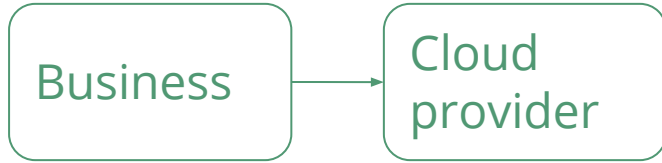


Choosing Kubernetes: managing risk in Cloud infrastructure

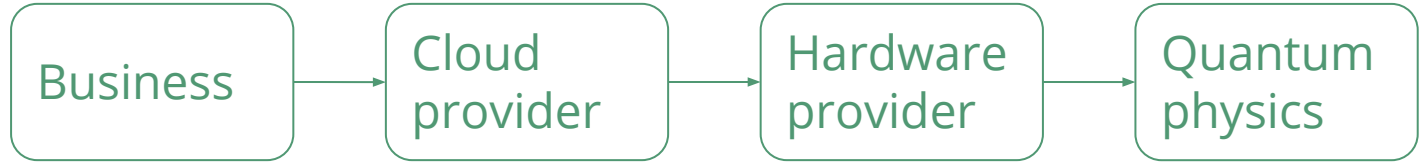
Ben Butler-Cole

Neo4j DBaaS engineering lead





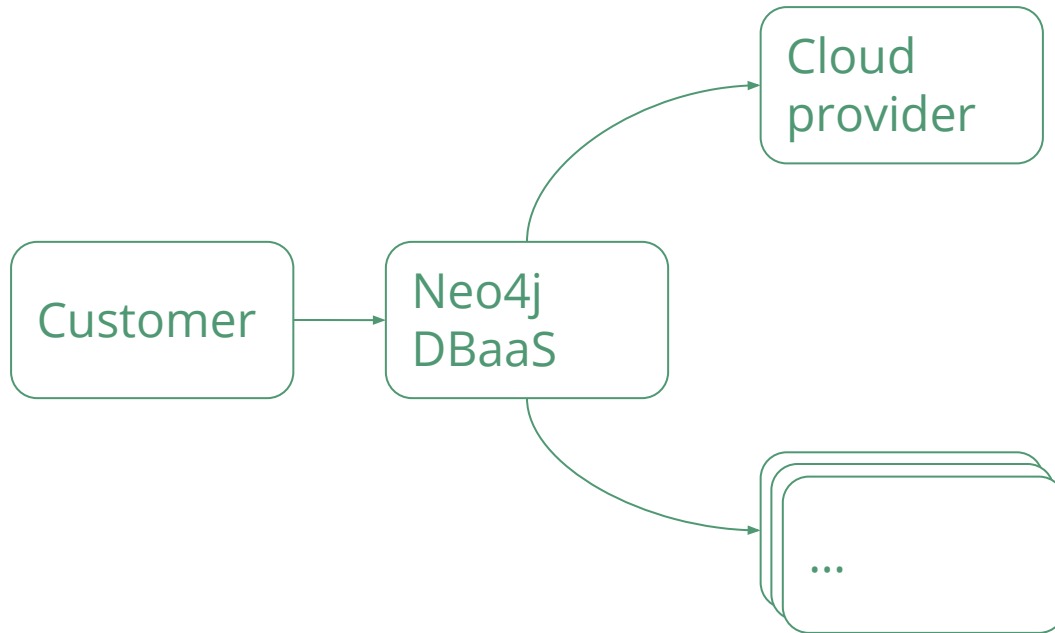


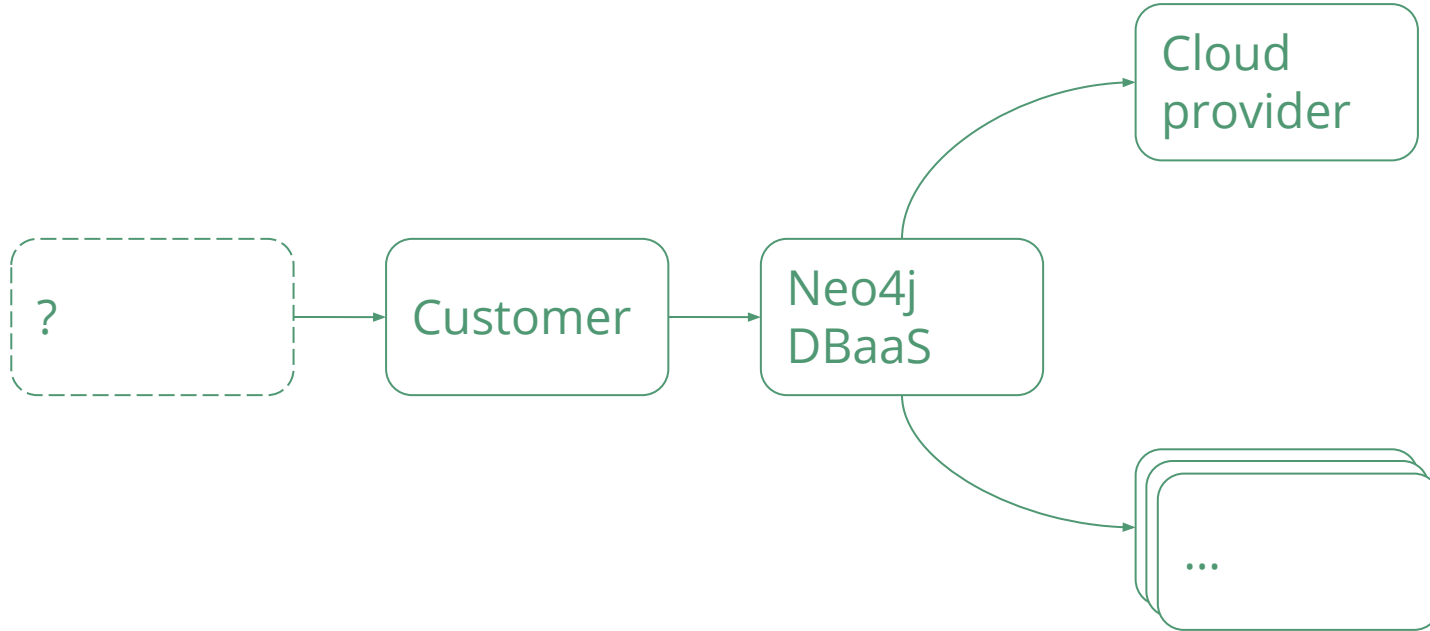






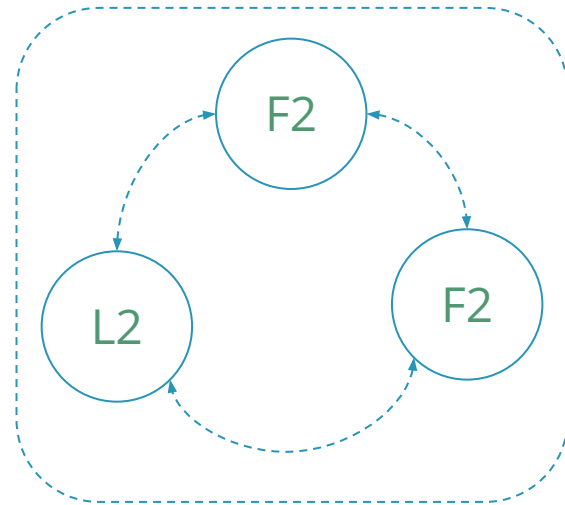
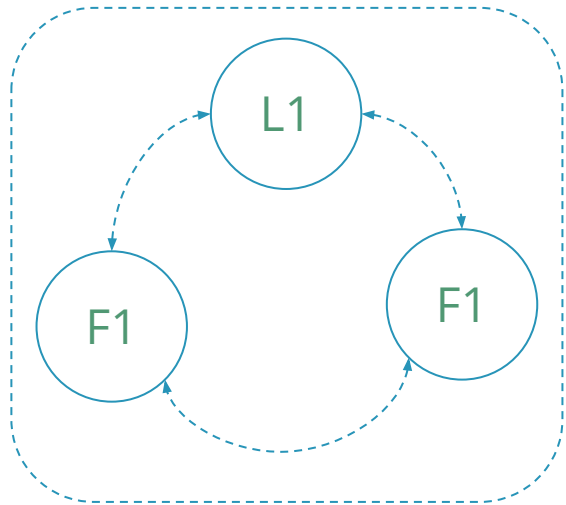


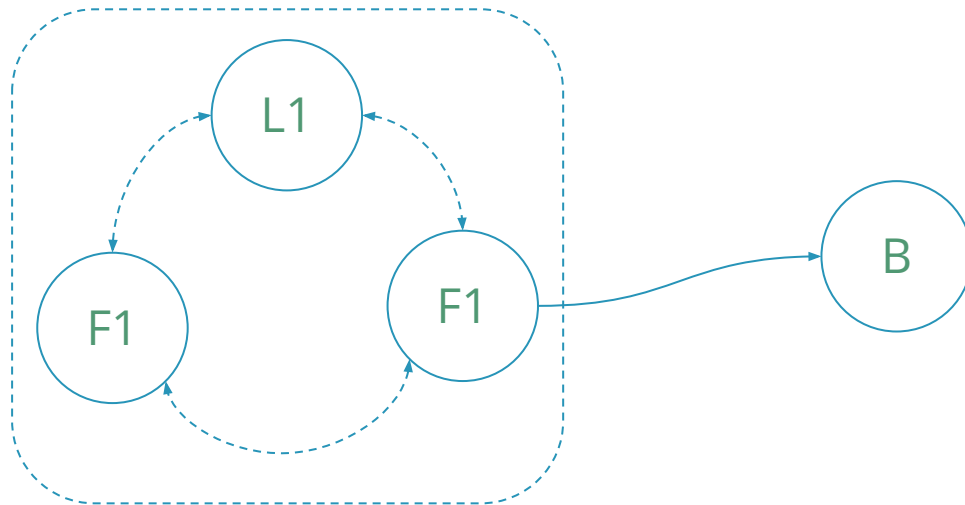




Theme

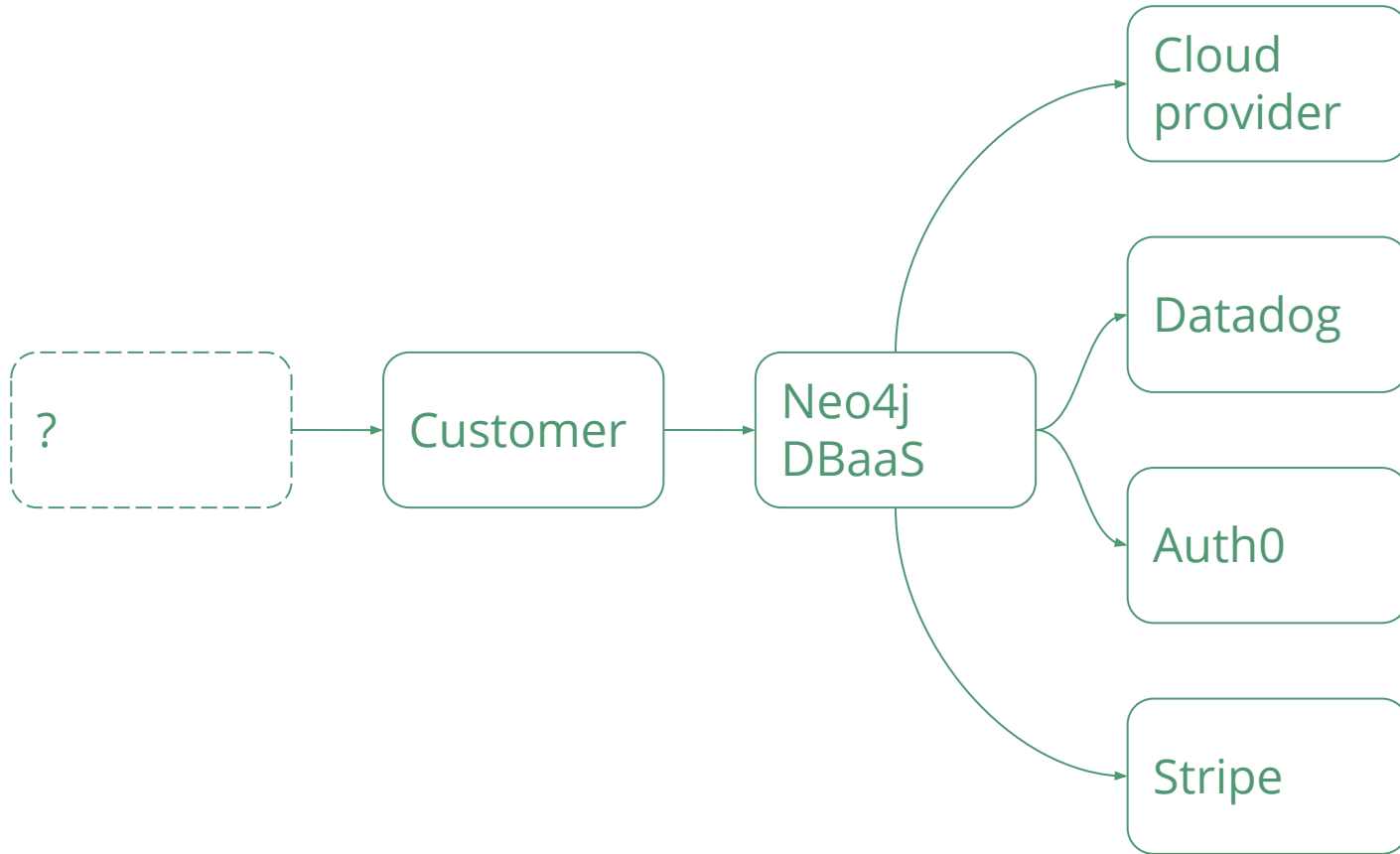
retain risk that is specialized or core to the business

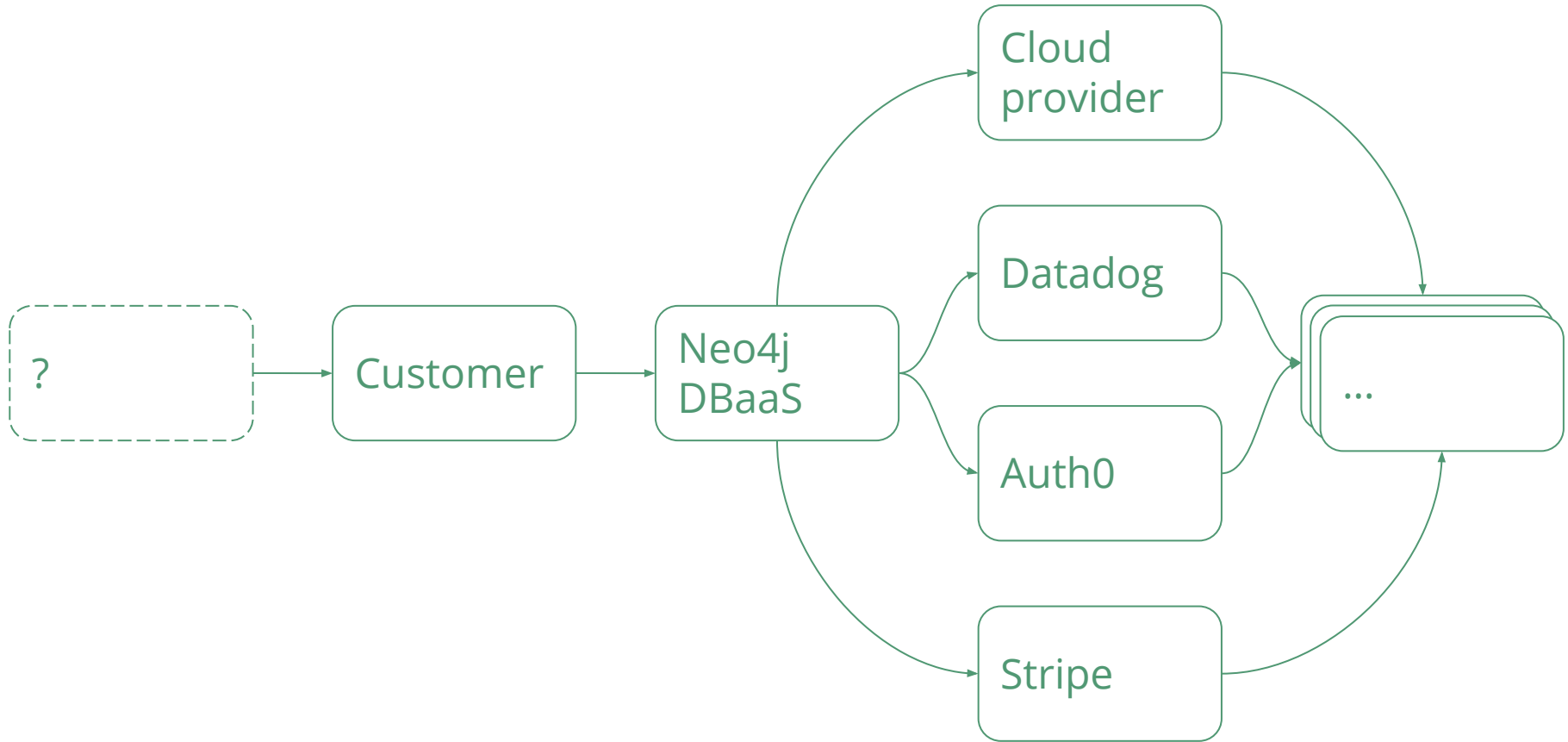




Theme

efficient mitigation: concentration of expertise, economies of scale, temporal smoothing





Theme

risks move up or down the chain of delegation over time





“Most people get really excited about running a database inside [Kubernetes]. This is going to make you lose your job—guaranteed.”

“Kubernetes supports stateful workloads; I don't.”

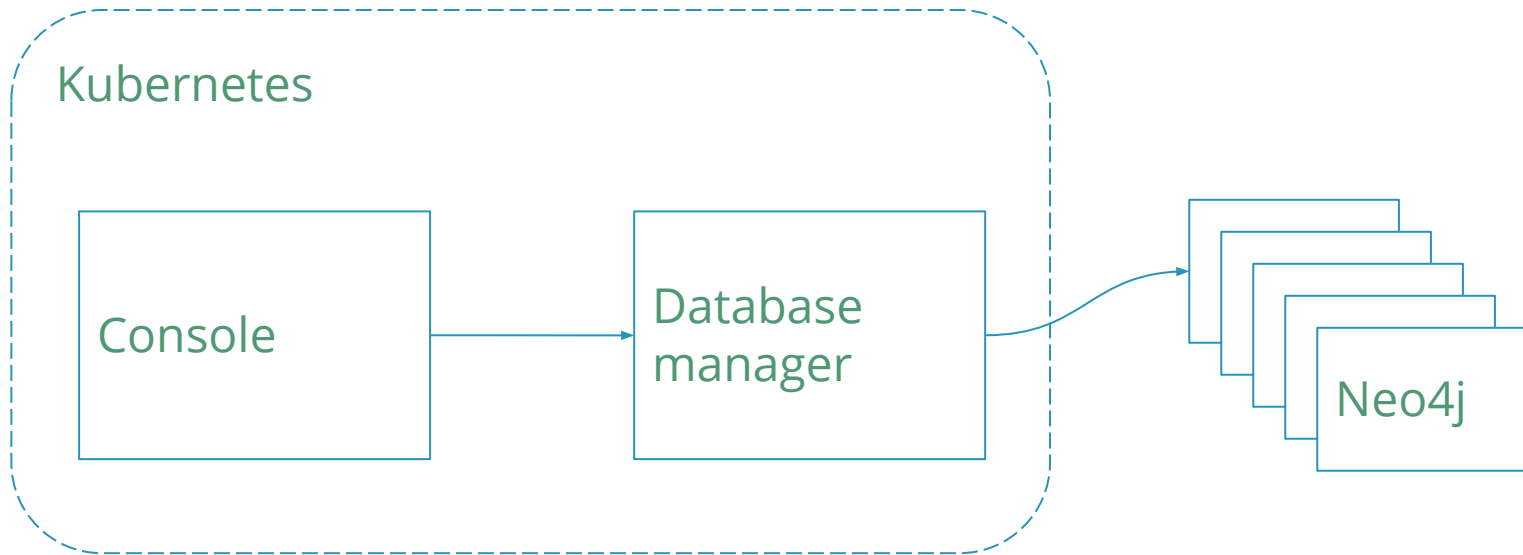
“Kubernetes only solves part of the problem. The other parts must be solved by the stateful service and through operational expertise.”



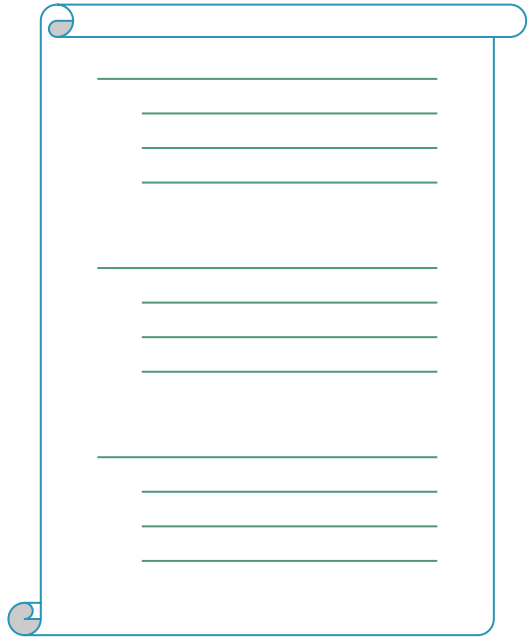
Theme

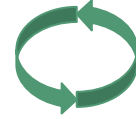
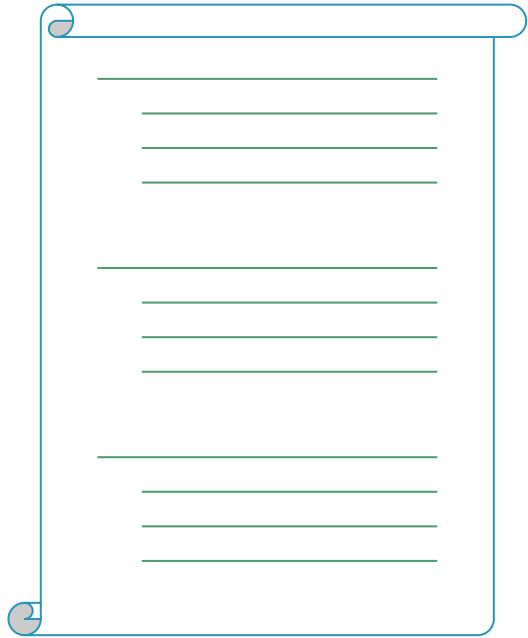
hand off risk to our future selves



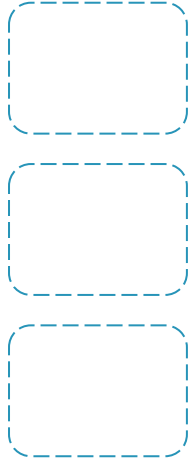
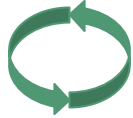




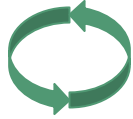




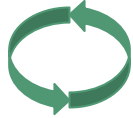
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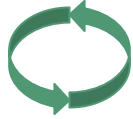
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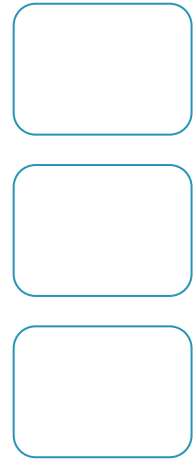
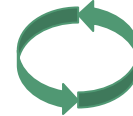
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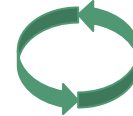
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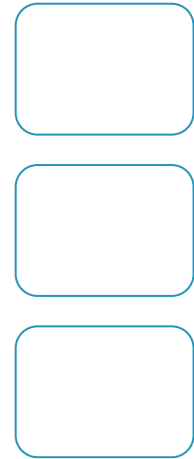
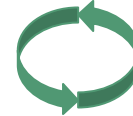
Heal



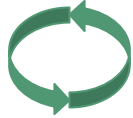
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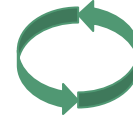
Heal



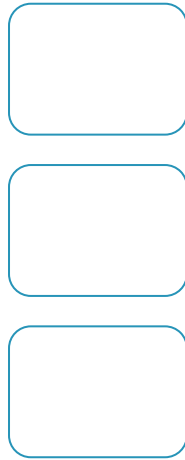
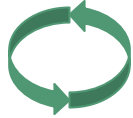
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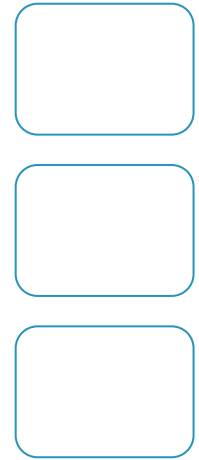
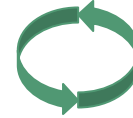
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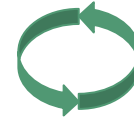
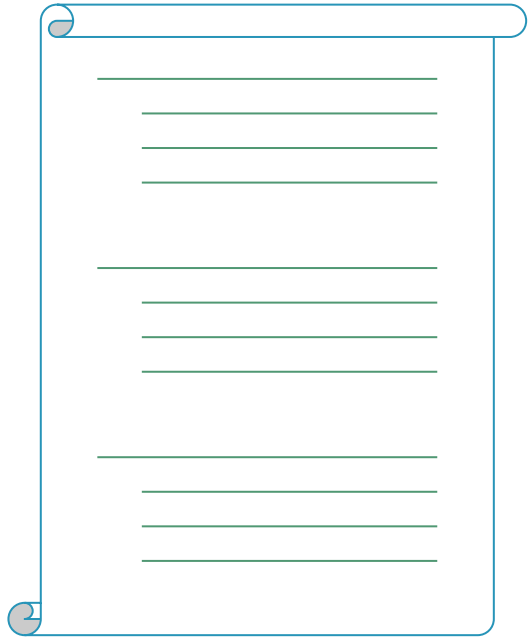


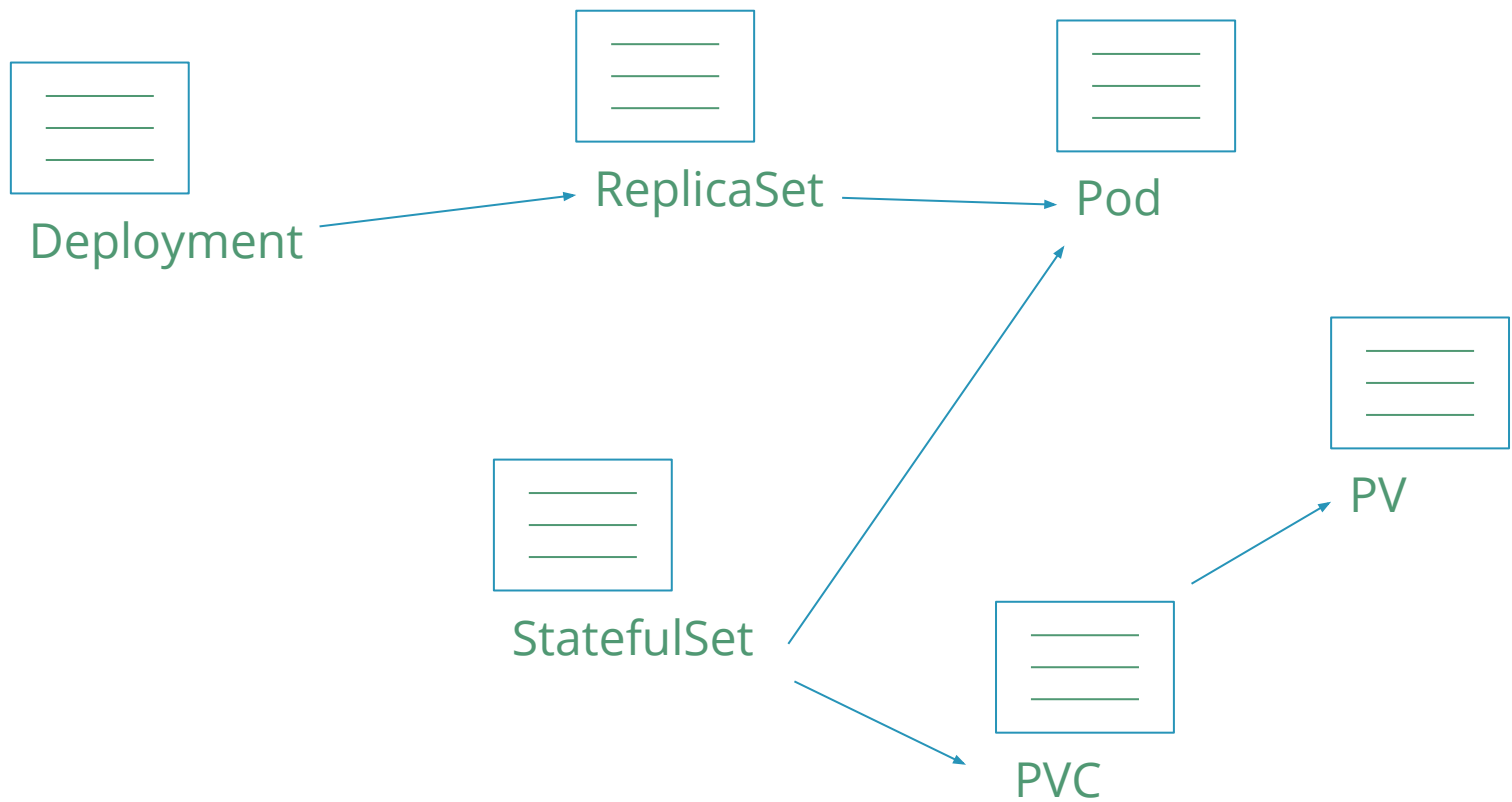
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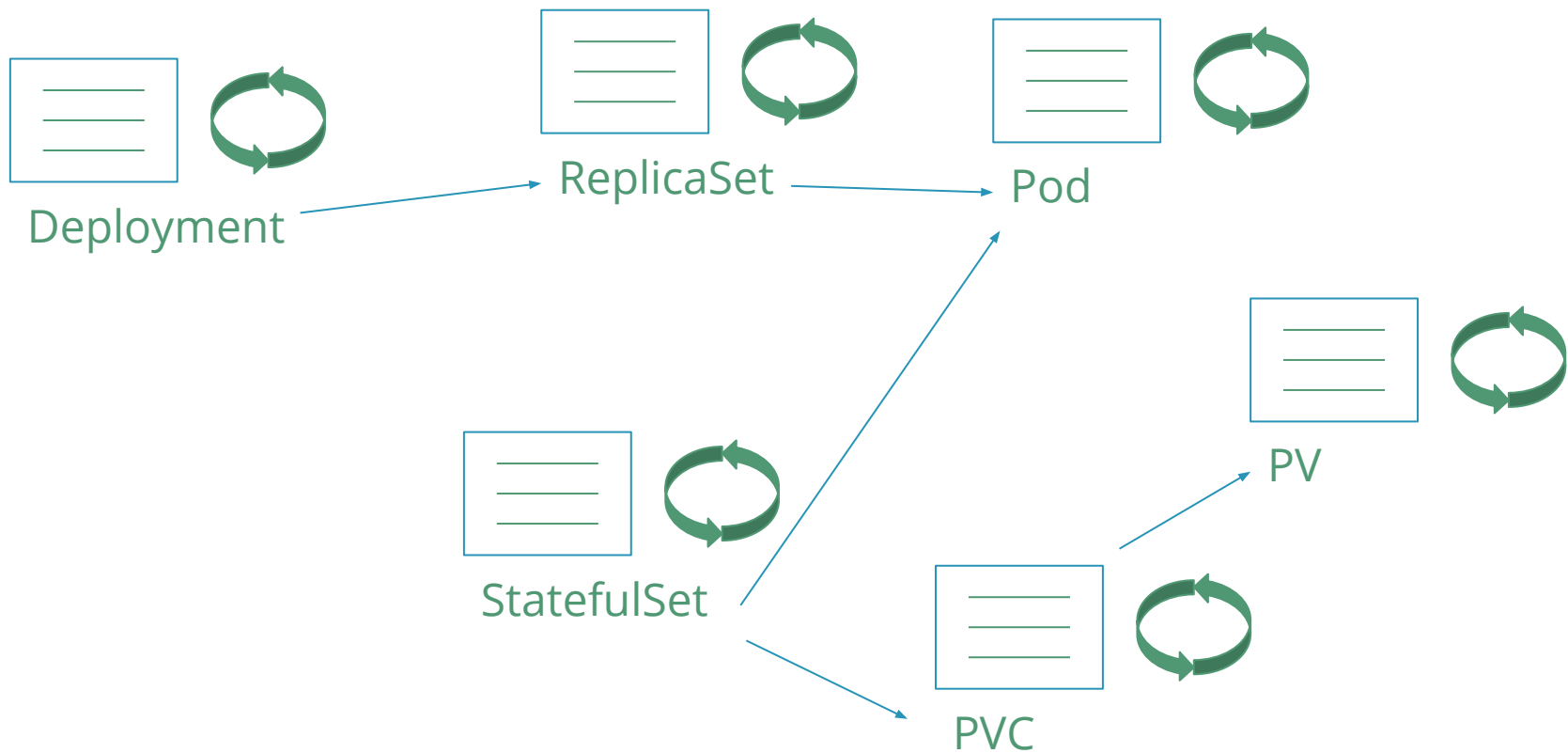


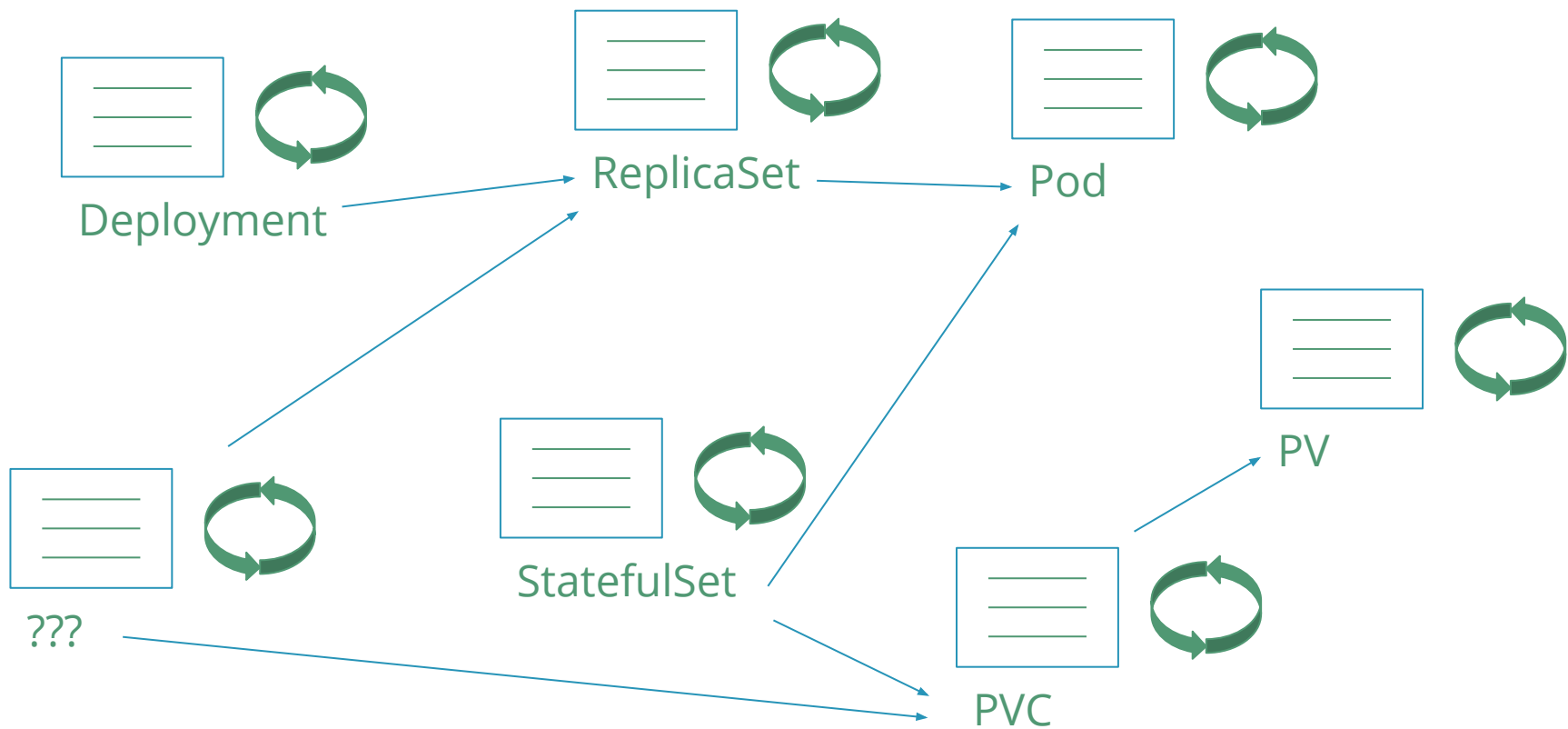
Heal





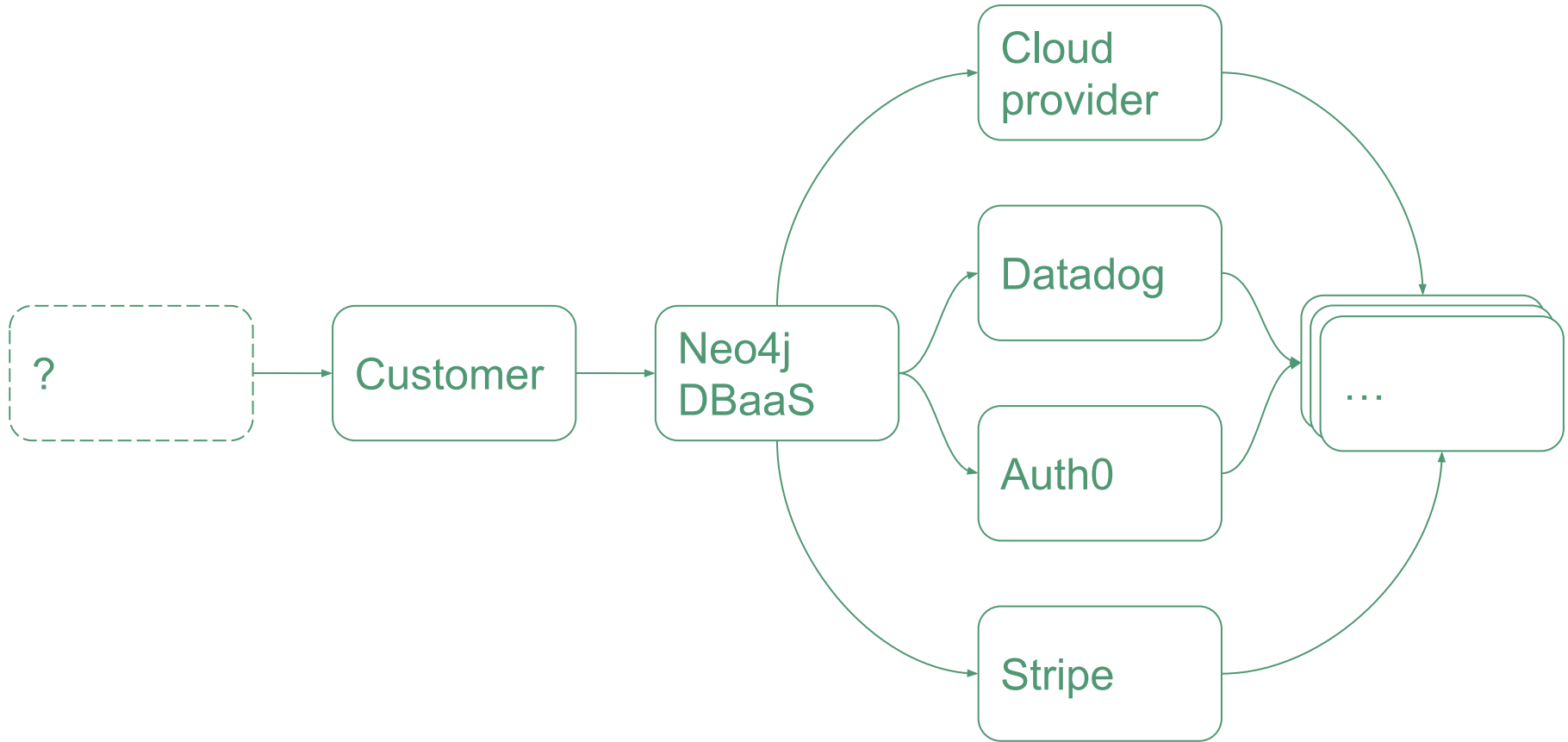


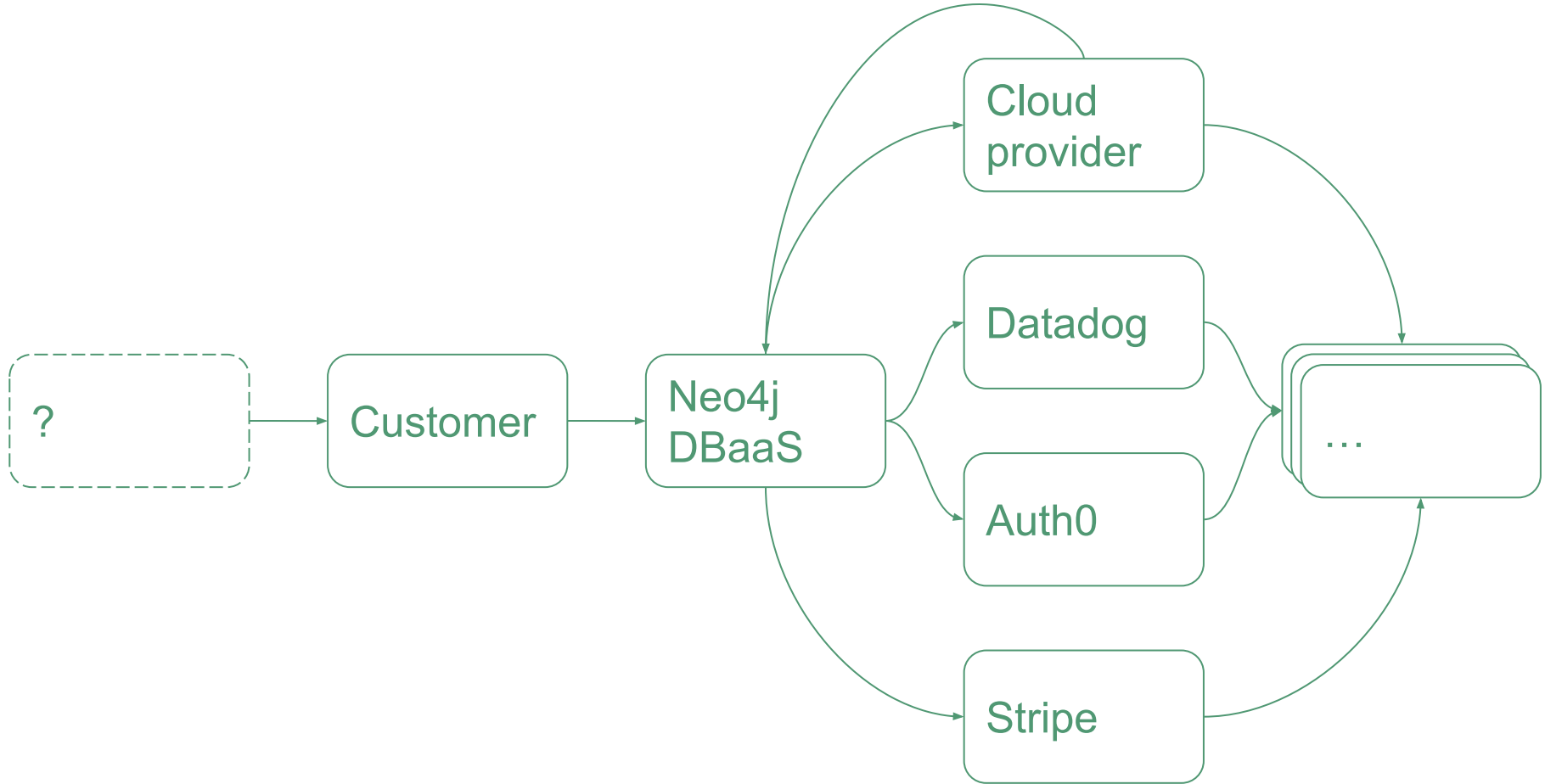


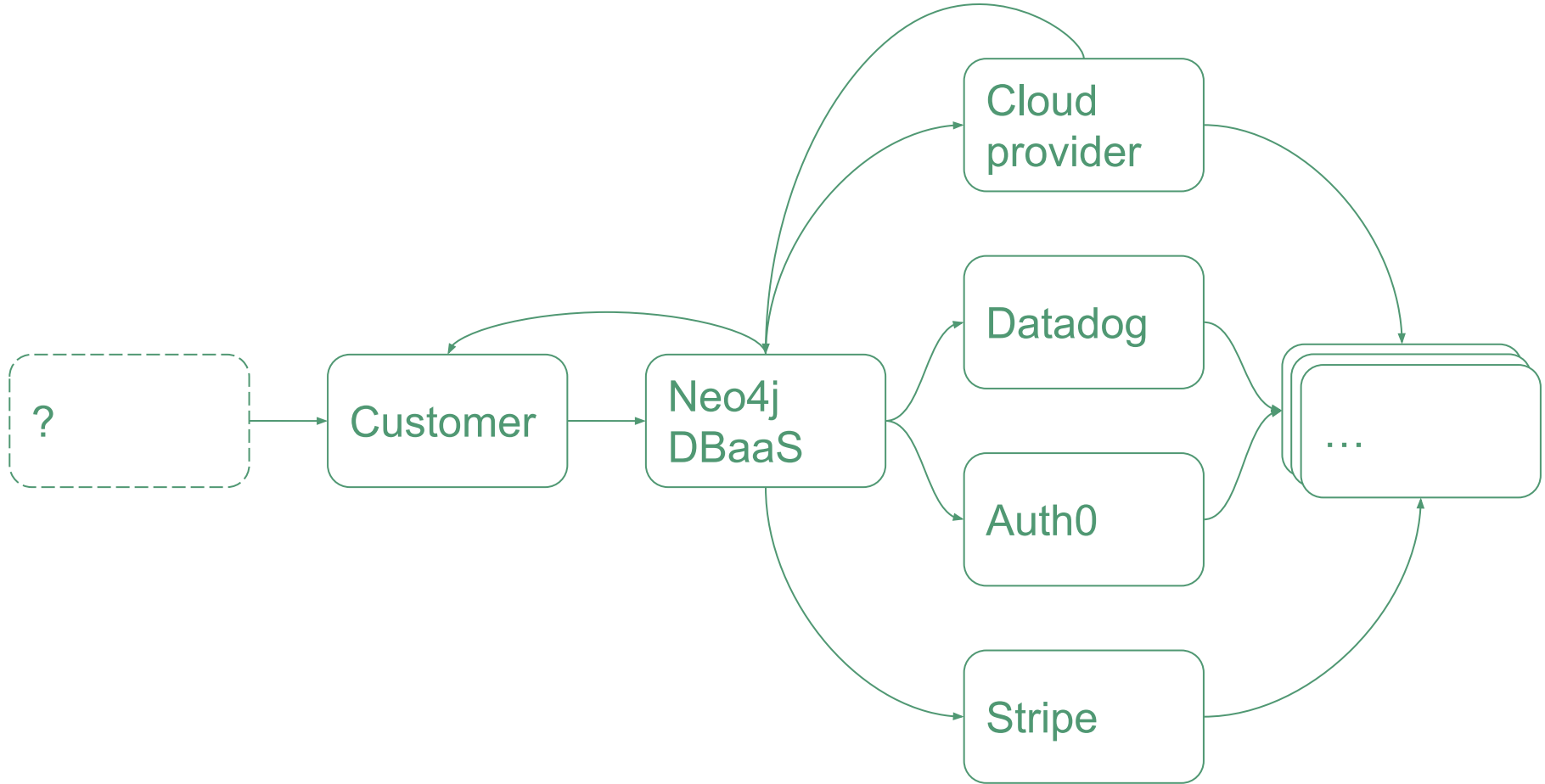


Theme

risks are rejected if it's cheaper for the consumer to mitigate







Themes

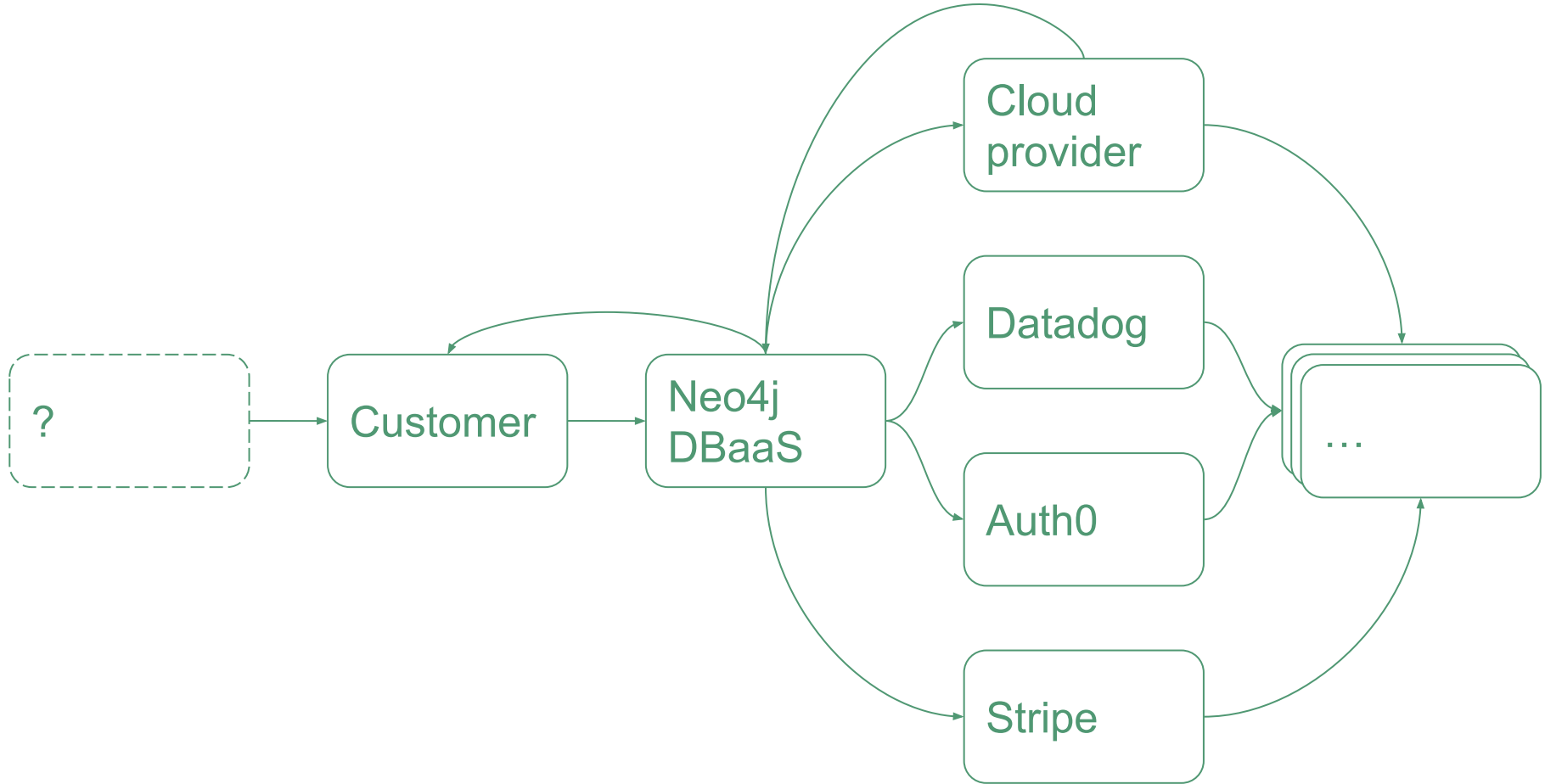
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Thank you

