Mostly Serverless

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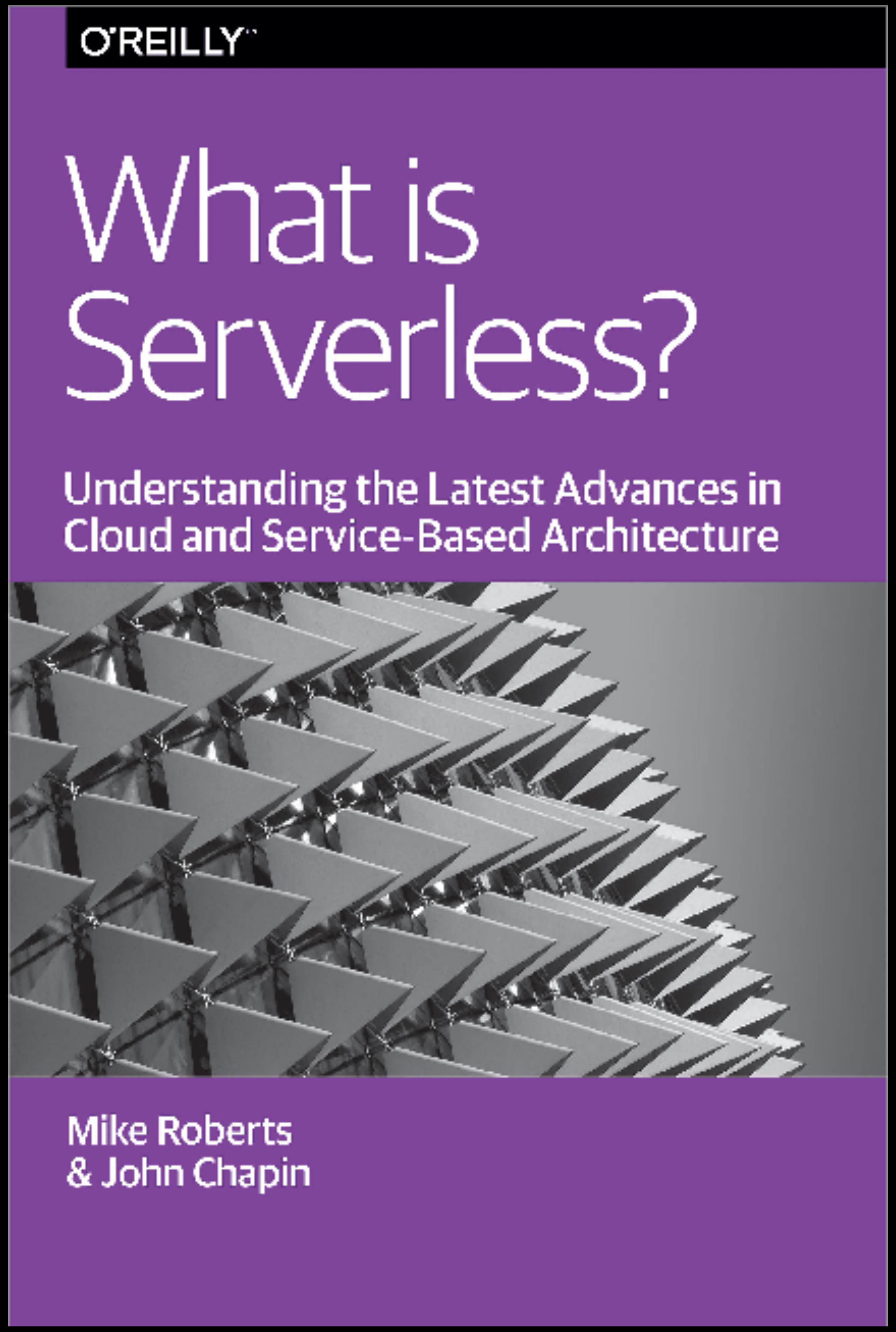

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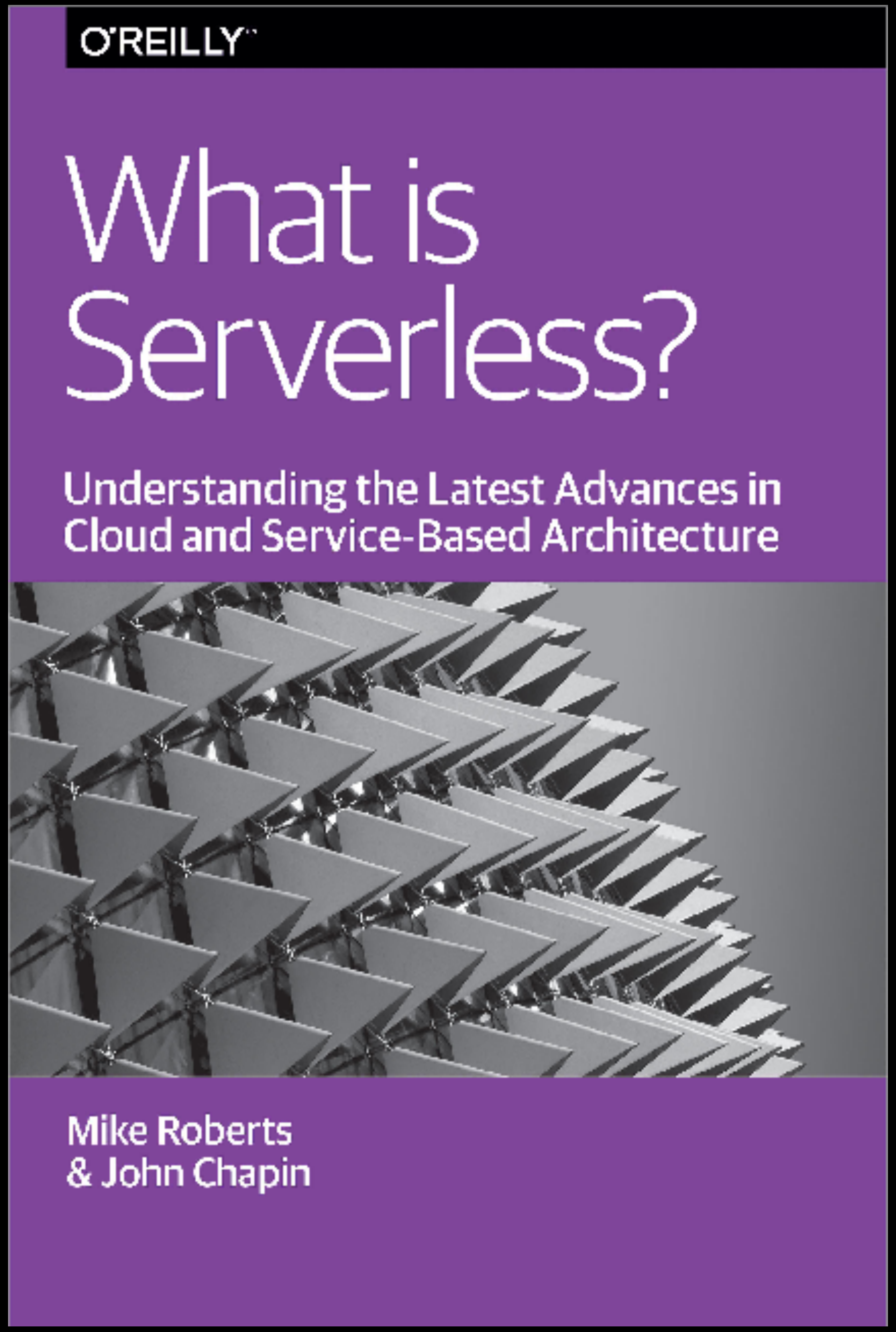
What is Serverless?

Understanding the Latest Advances in Cloud and Service-Based Architecture

Mike Roberts & John Chapin

What is Serverless?

1. Does not require managing a long-lived host or application instance
2. Self auto-scales and auto-provisions, dependent on load
3. Has costs that are based on precise usage, up from and down to zero usage
4. Has performance capabilities defined in terms other than host size/count
5. Has implicit high availability



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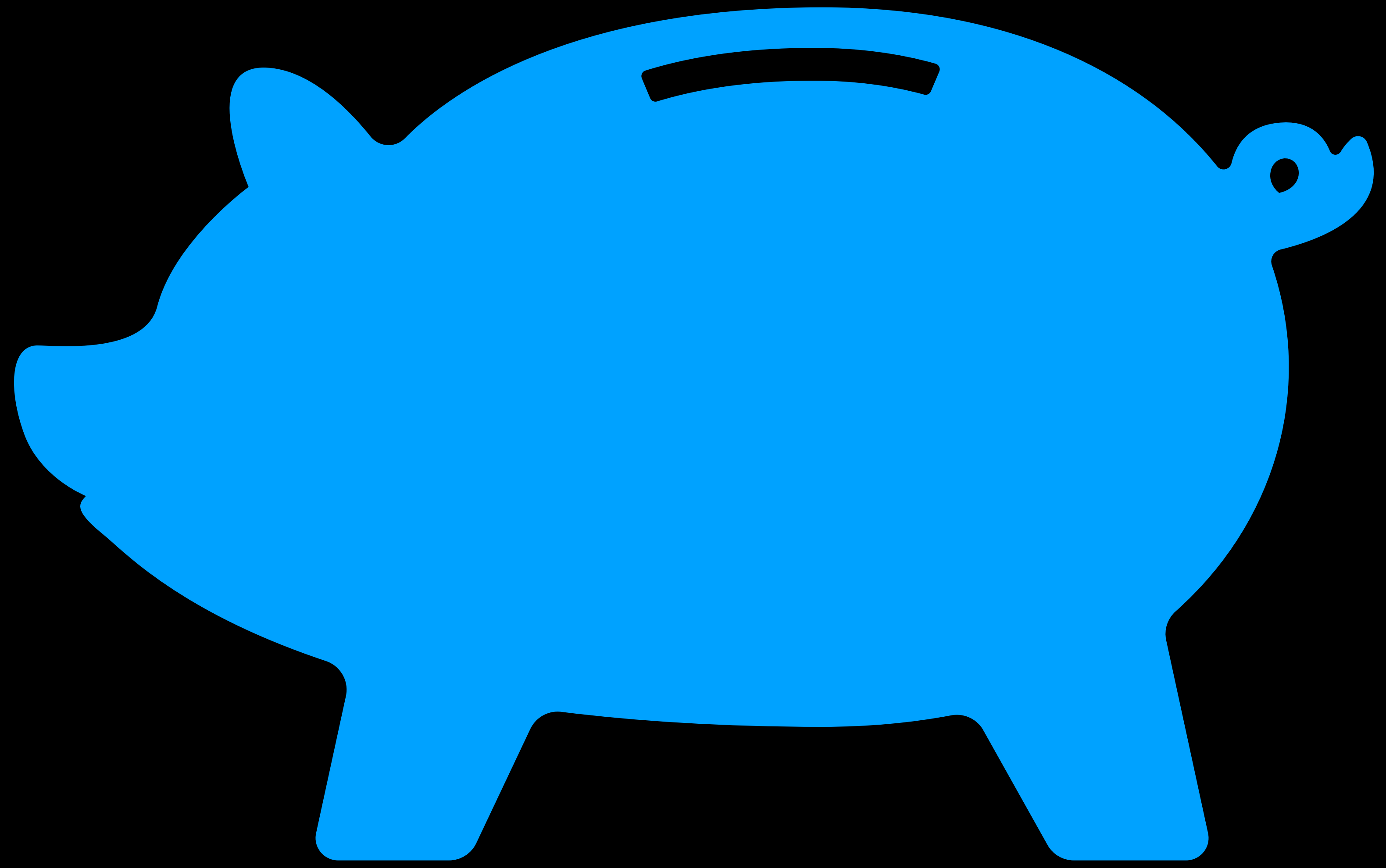

Reduced cost

Fast, accurate scaling

Granular billing

Scaling to zero

Reduced risk

Managed services

Easy automation

Immutablity

Shorter lead time

Lower incidental complexity

Fast deployment

Small units of deployment

Serverless has taught me…
value can be delivered
cost-effectively
safely
quickly.

Serverless is the best way to realize these benefits.

Serverless *isn’t the only way* to realize these benefits.

🐷 🥽 ⏱

How can we get these benefits?

Let’s treat this system as *mostly* Serverless.

Keep in mind *how* Serverless benefits are realized.

This is your blueprint.

Reduced cost

Serverless	*Mostly* Serverless
Fast, accurate scaling	Best effort scaling
Granular billing	…
Scaling to zero	Infrastructure as code
Lower overhead	Automation

Reduced risk

Serverless	*Mostly* Serverless
Managed services	Managed services
Automation	Automation
Immutable infrastructure	Immutable infrastructure

Shorter lead time

Serverless	*Mostly* Serverless
Lower incidental complexity	Automation, infrastructure as code
Fast deployment	Continuous deployment
Small units of deployment	…

Mostly Serverless is as much about changing practices as technology.

This sounds a lot like DevOps.

DevOps benefits are closely aligned with Serverless benefits.

DevOps + *Mostly* Serverless = 👍

DevOps + *Actual* Serverless =

👍💯😍👌😎⭐🌈🌮🍻🍩

Discussion and Questions

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