

Get ready to spend more on serverless than you expect and be happy about it.

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#about_marco



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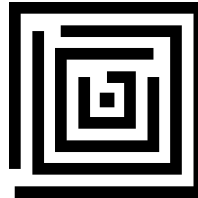


THE NEW STACK

Forbes



Research NOW A PART OF
S&P Global Market Intelligence



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Agenda

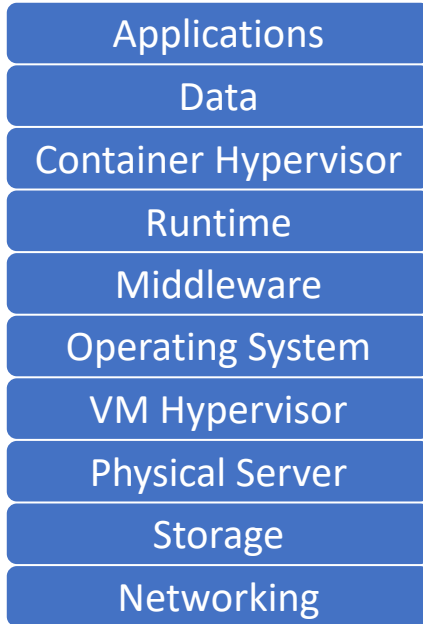
- Using Less Means Saving More
- Meet William Stanley Jevon
- Precedence
- Edge Trimmers
- Thundering Herd
- The Eudaemonic Approach



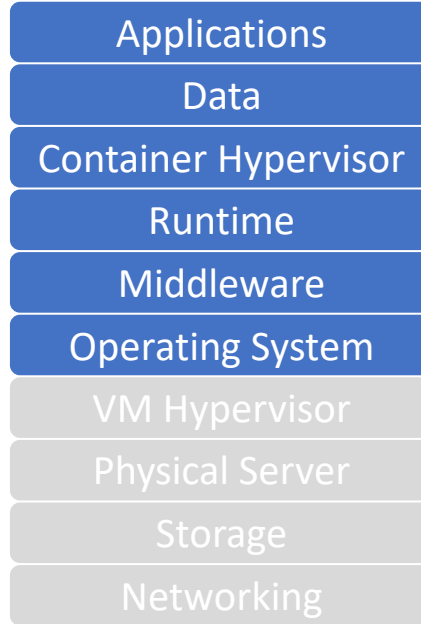
Using Less Means Saving More

Reducing the Stack

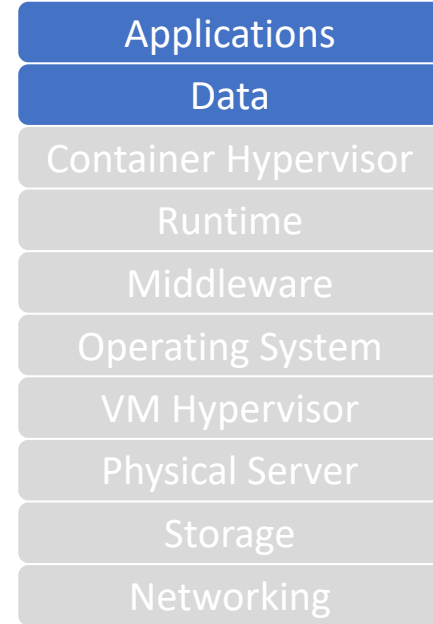
On-premise



Public Cloud



Microservice



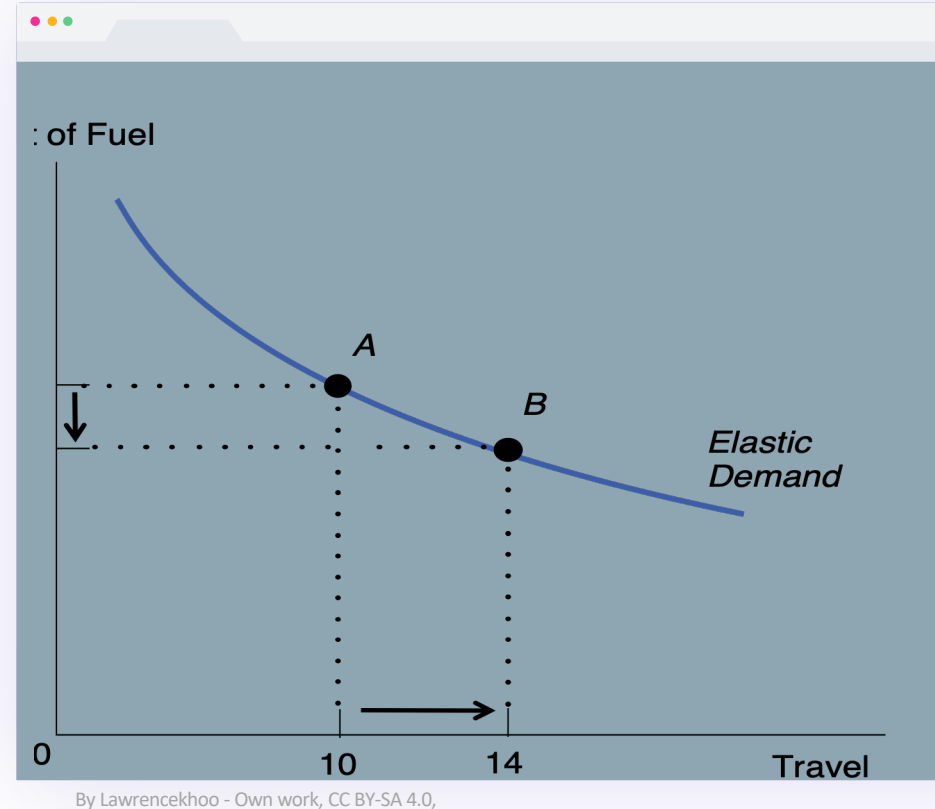


Meet William Stanley Jevon

Jevons Paradox

- A 20% increase in efficiency causes a 40% increase in usage.
- Consumption increases and the Jevons paradox occurs.

1865 William Jevons (Economist)



By Lawrencekhoo - Own work, CC BY-SA 4.0,



Precedence

“

**“...67 of the 100 IT directors
questioned admitted to not
knowing the exact number their
organization had.”**

Deloitte (nee Morse Consulting)



Edge Trimmers

Minimizing Sprawl

- Enforcement:
 - Establish Processes and Standards
 - Use a Good Naming Convention
- Perform an Audit
 - “tick off your bank statement”
- Performance Monitoring:
 - Rescue Idle Resources
 - Clean Up Orphans
 - Set Limit Alerts

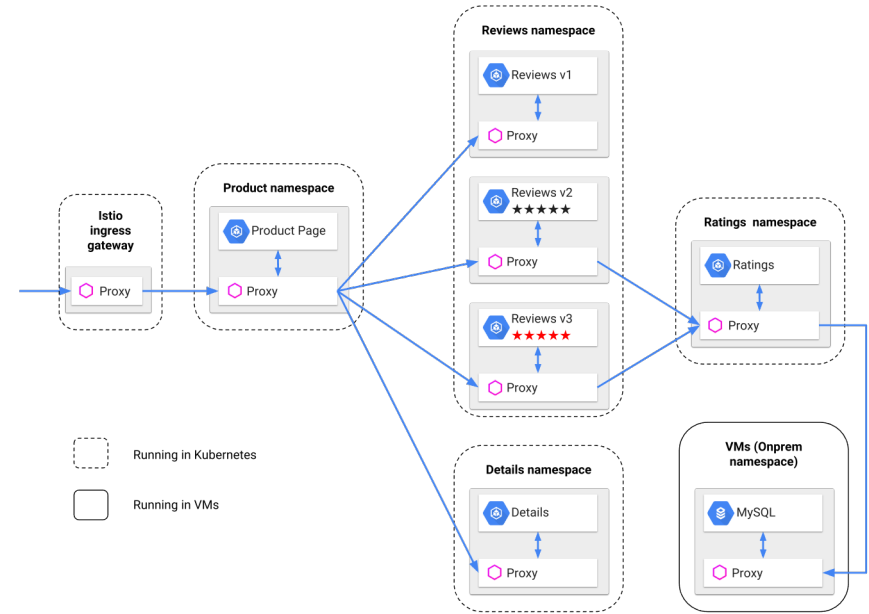




Thundering Herd

Service Mesh

- Holistic monitoring
- Discovery
- Policy enforcement
- Transactional Viewpoint
- Single point of control
- Circuit-breakers



<https://istio.io/latest/docs/examples/virtual-machines/>



The Eudaemononic Approach

“

“ When you don't have sprawl,
you have service.”



Links & More



- <https://www.tech-whisperer.com>
- @marcocoulter - <https://twitter.com/marcocoulter>
- <https://theconversation.com/true-happiness-isnt-about-being-happy-all-the-time-88600>
- <https://www.nginx.com/blog/what-is-a-service-mesh/>
- <https://www.dnsstuff.com/what-is-virtual-machine-server-vm-sprawl>
- <https://medium.com/adobetech/serverless-microservices-and-service-mesh-oh-my-cd7903bd499d>
- <https://www.computerweekly.com/news/1369031/Plan-ahead-to-avoid-virtual-machine-sprawl>



Thank you

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