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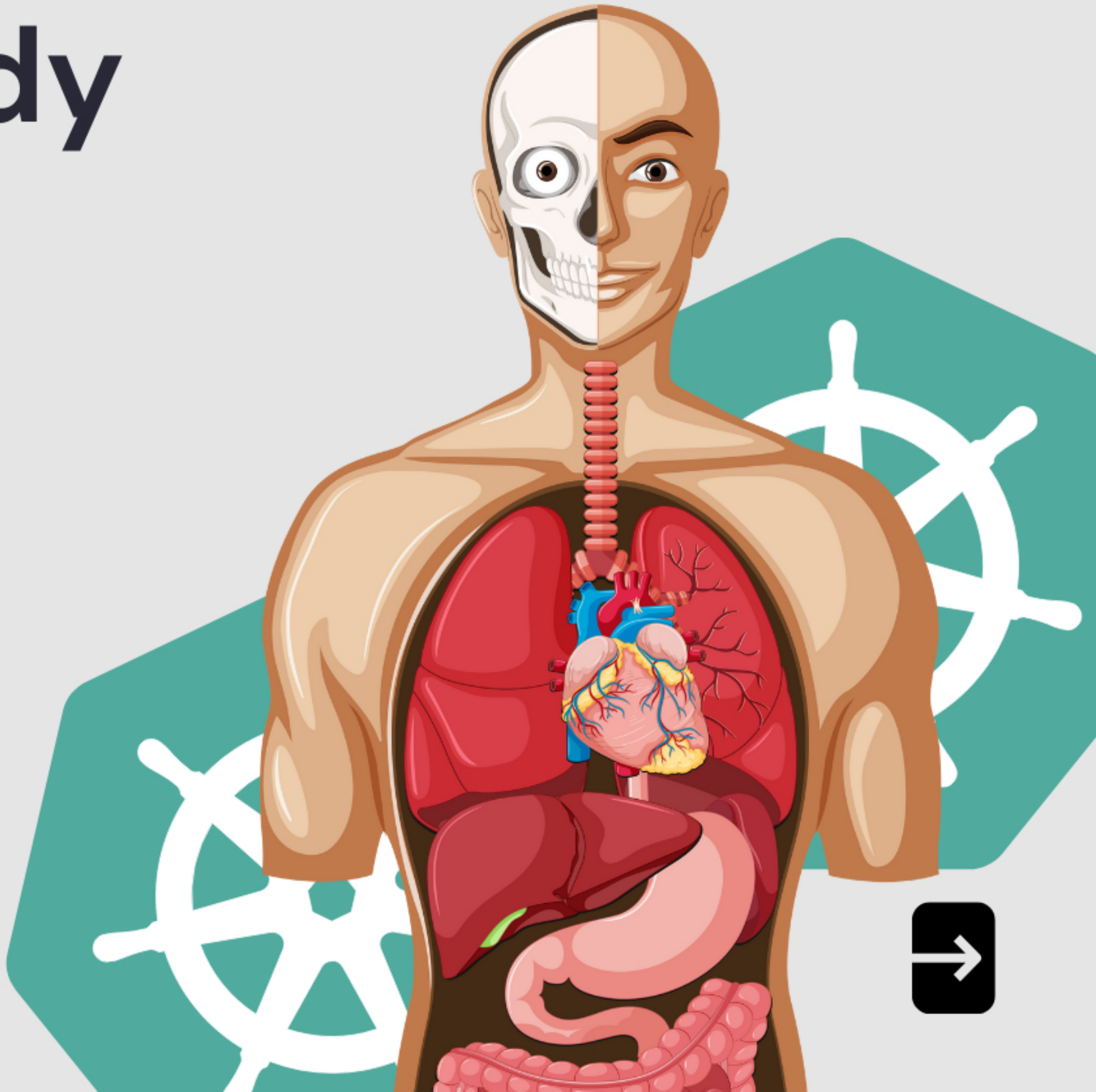
How Kubernetes Is Like The Human Body



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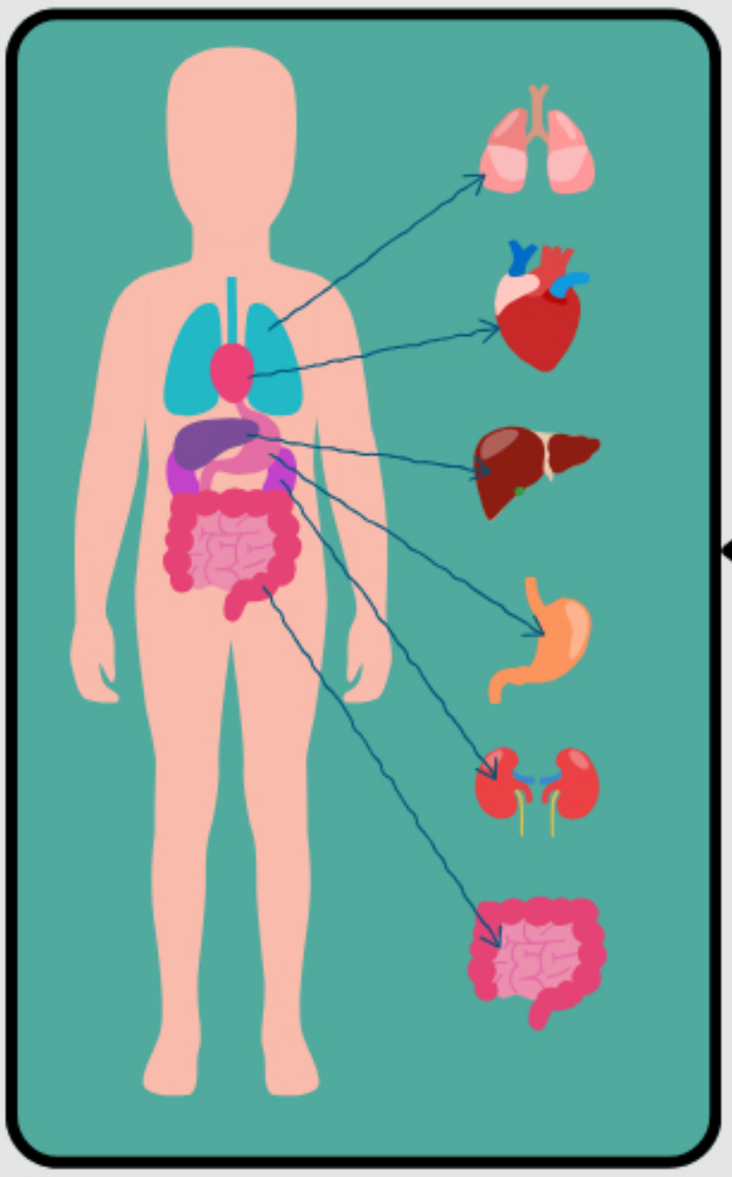
When you
start understanding
how **Kubernetes** works

You see it resembles
the human body...



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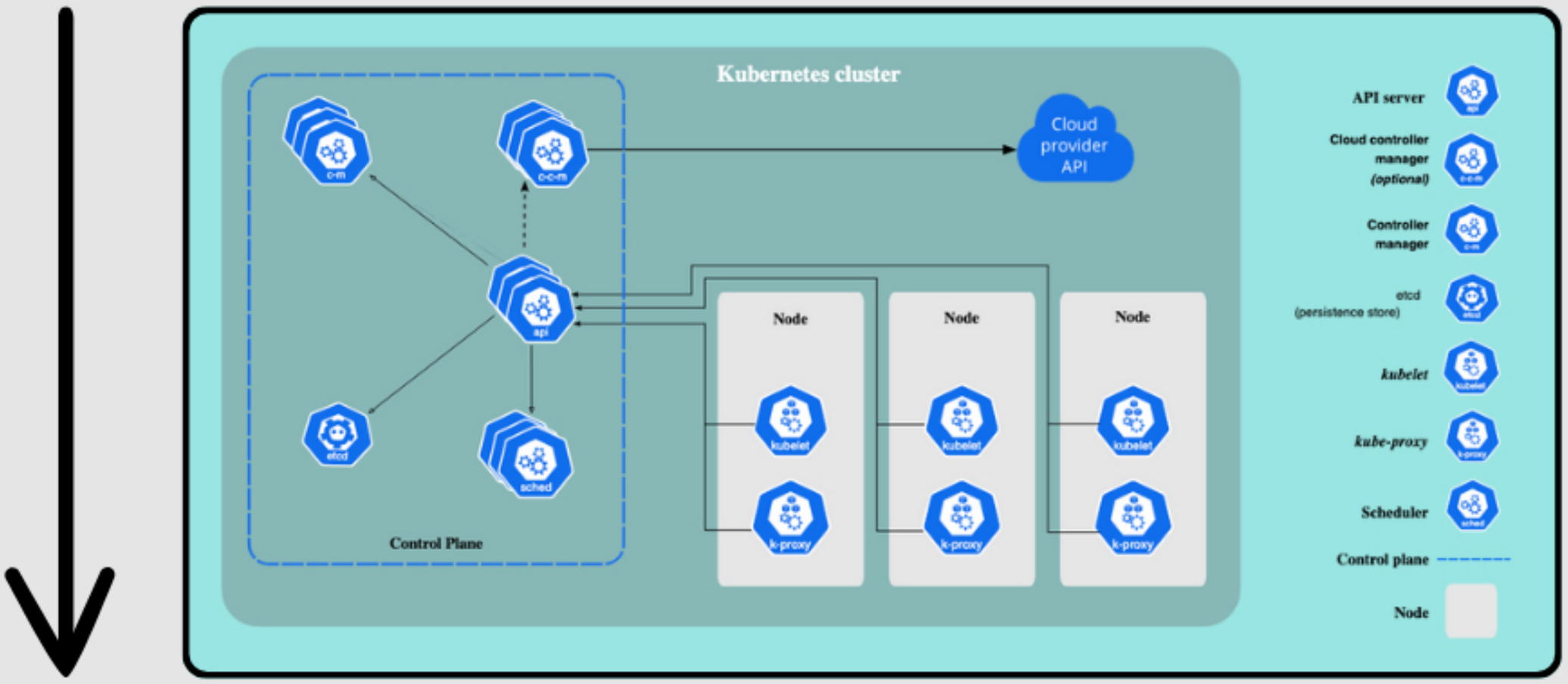
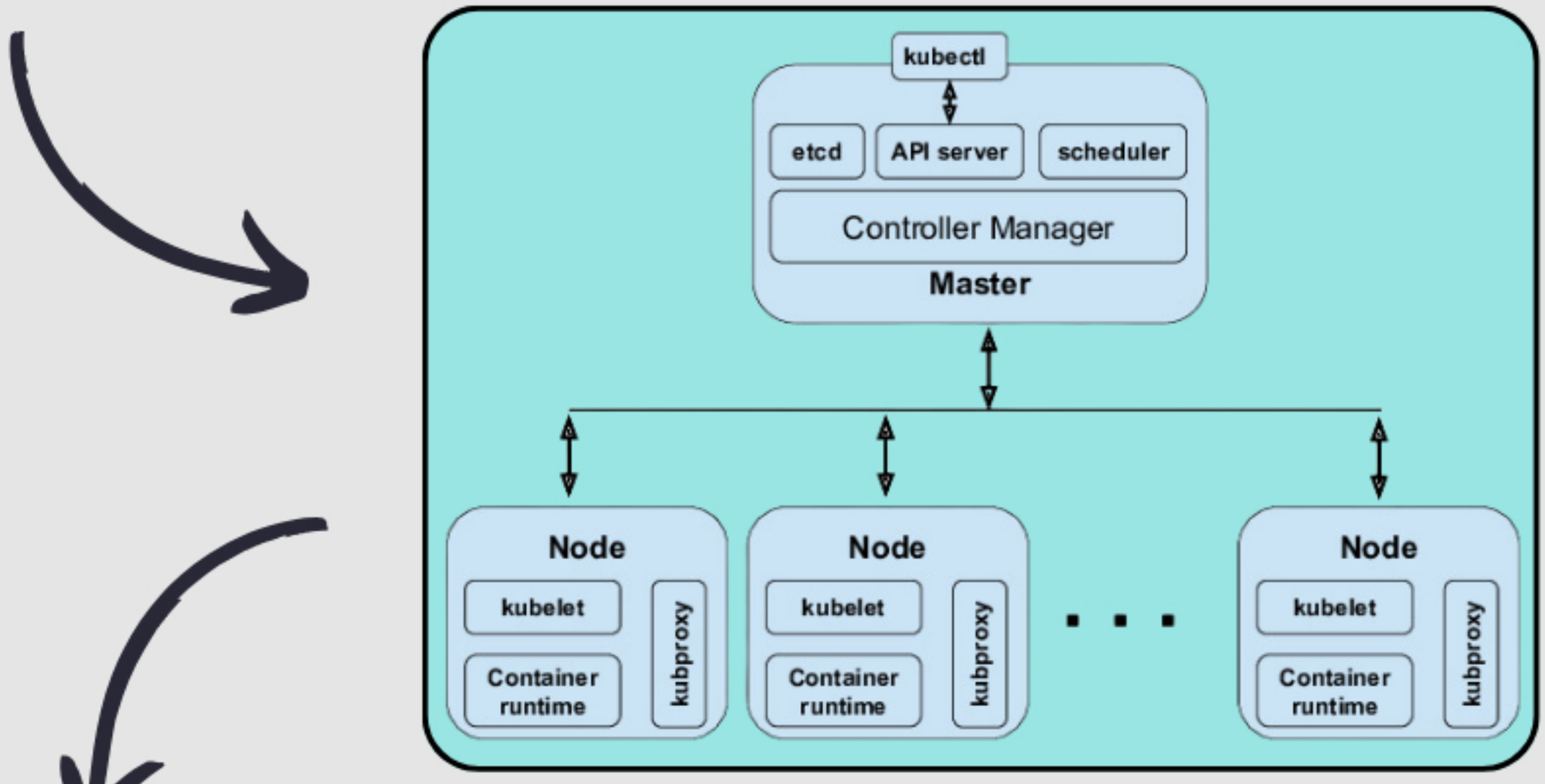
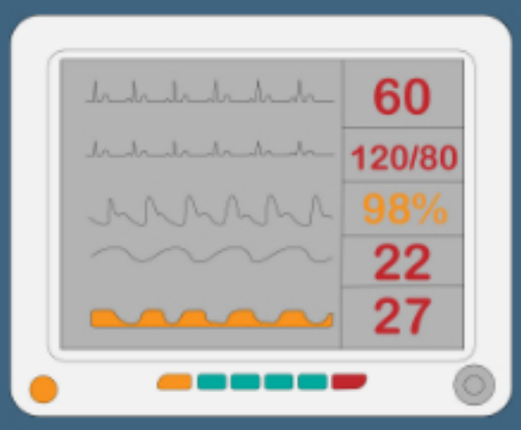
Why?



Because both are complex systems composed of many components that must work together to help an application or body perform its tasks.

If one of those components isn't working correctly, the entire system can be affected.





So, both K8s and our bodies require continuous monitoring and optimization to stay healthy.

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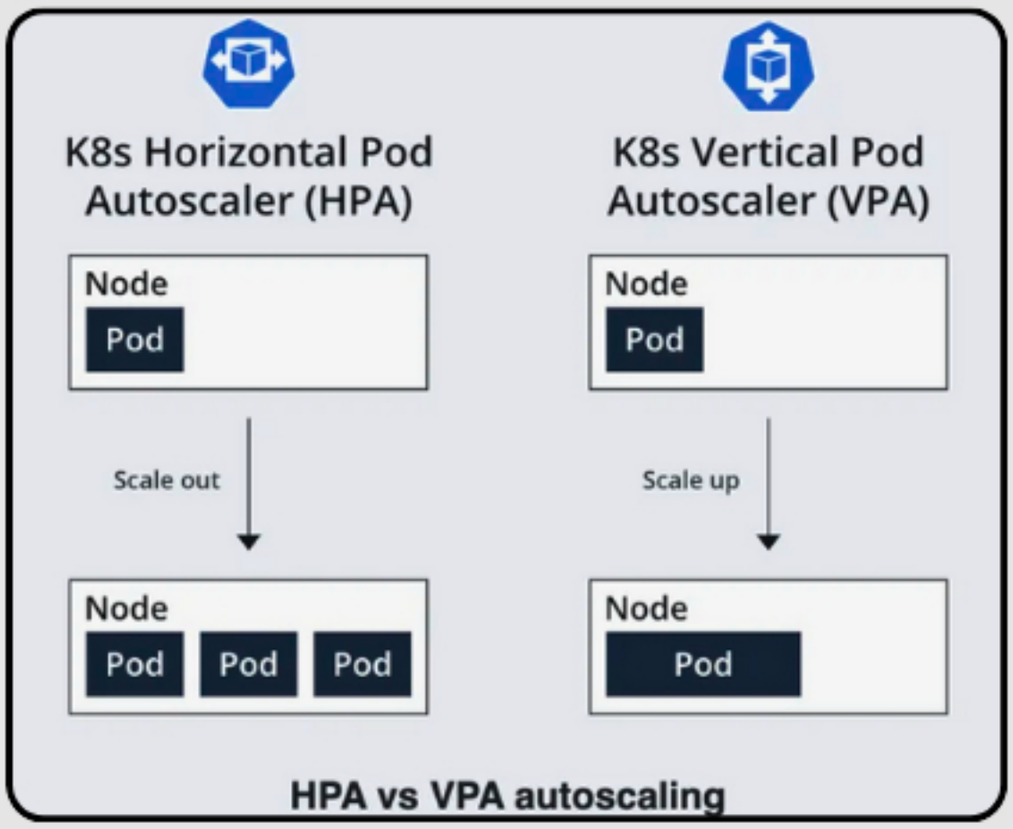
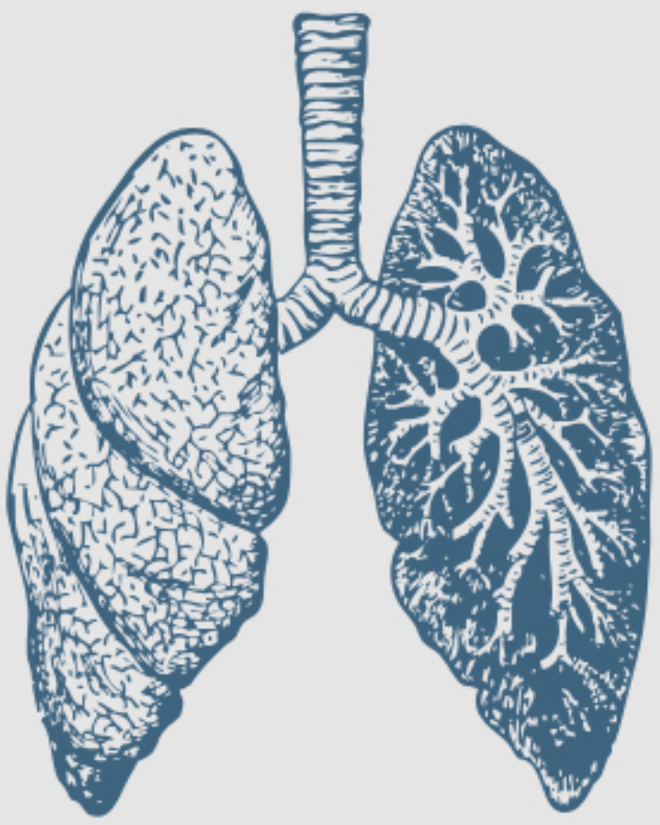
K8s, like our body, adjusts itself to keep apps running smoothly.





To meet demand K8s adds more resources (like **autoscaling** additional replicas or nodes) similar to the lungs working harder to bring in more oxygen when you go for a jog.

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First implementing K8s in like having a baby...

It begins chaotic and messy, you may even lose sleep over it, but slowly and surly you get the hang of it. Your body matures and gets stronger while your clusters scale and become "production-ready". They are ready to meet the demand of the real world.

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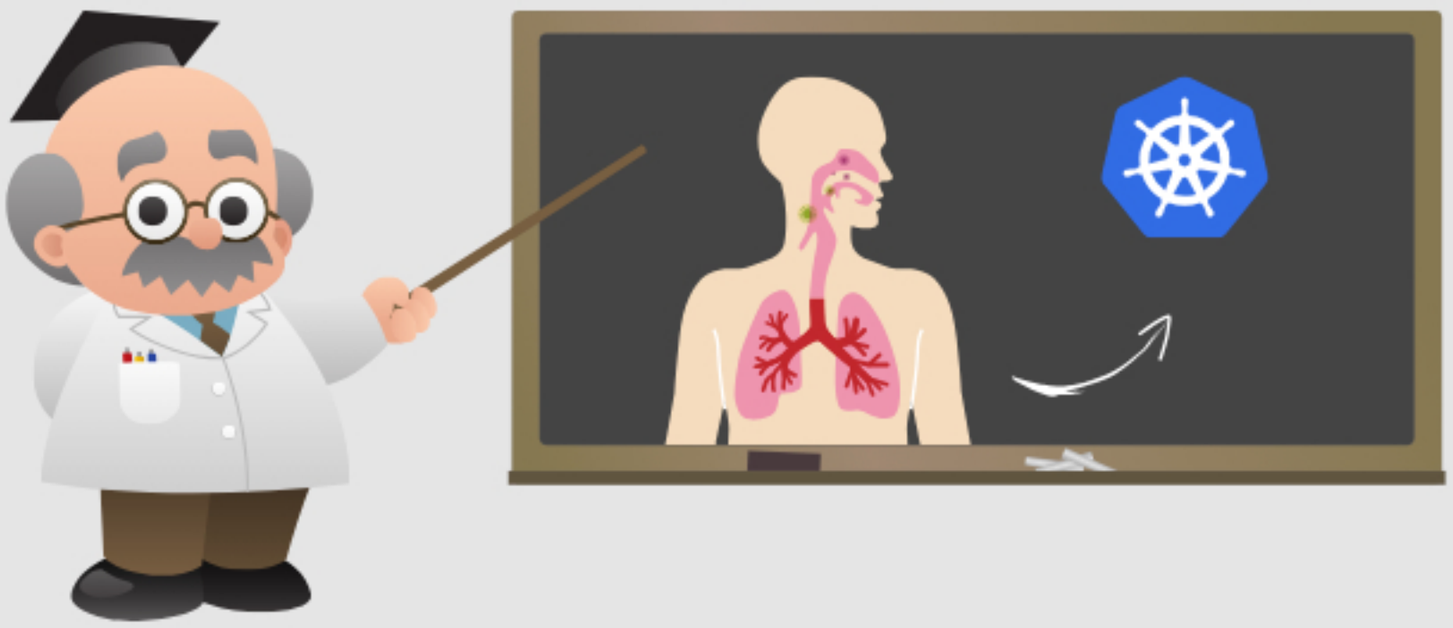


Mastering Kubernetes, or the human body, takes years of learning and hands-on experience.

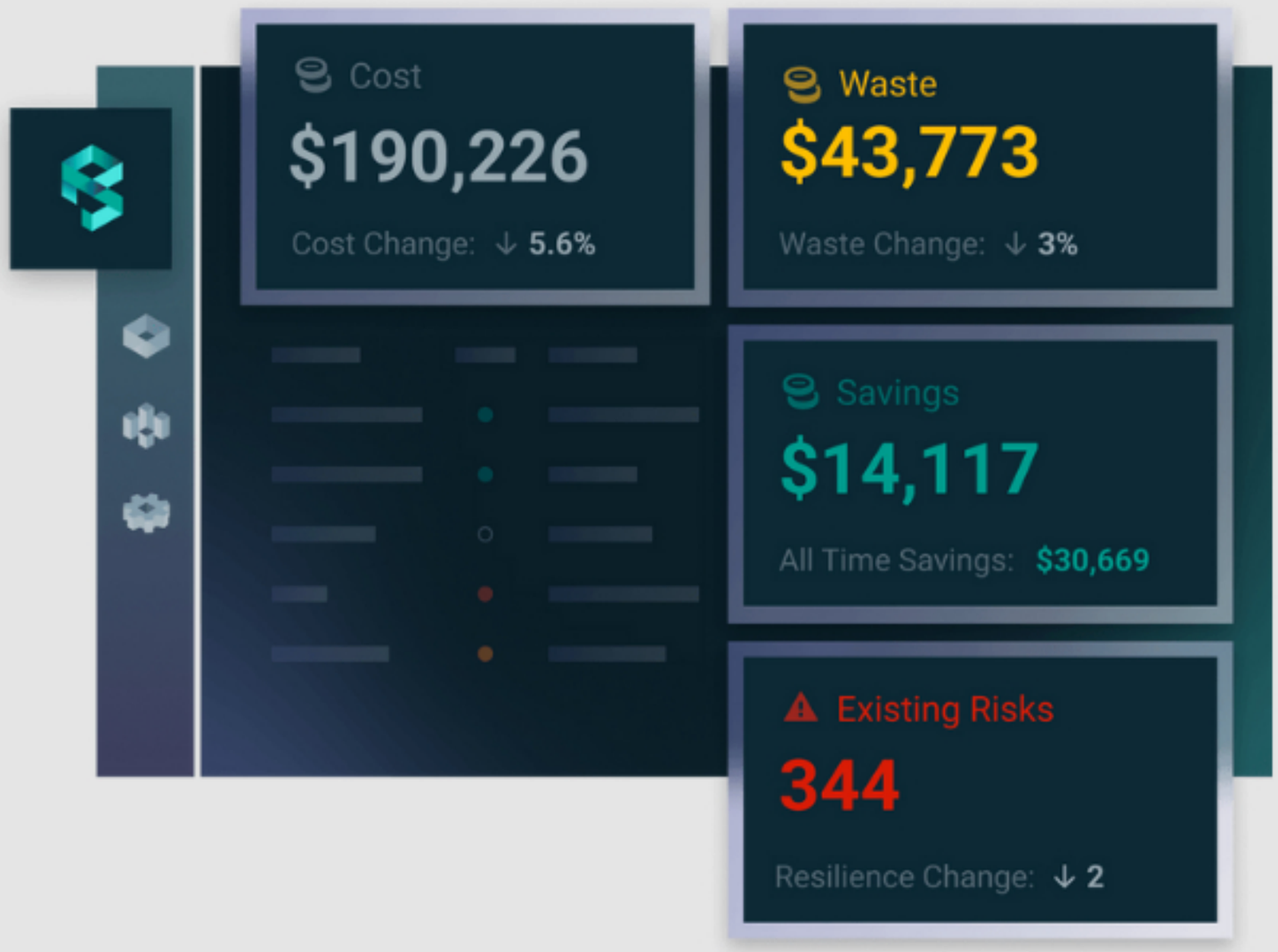
Finding expert K8s engineers is as rare as finding an expert doctor. So building skilled teams for complex projects takes time.

Just as we try to optimize and maintain our health through good habits...

Like staying active and watching our diet, DevOps and SRE teams constently try to optimise and **maintain a healthy K8s environment**

Both cases come with toil and it takes time to achieve optmial results.

Sadly, there isn't a miracle pill to keep us healthy, fit, and our weight under control.



However, when working with K8s, there are available solutions that can keep your environment trim, fit, and resilient to always meet demand.

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