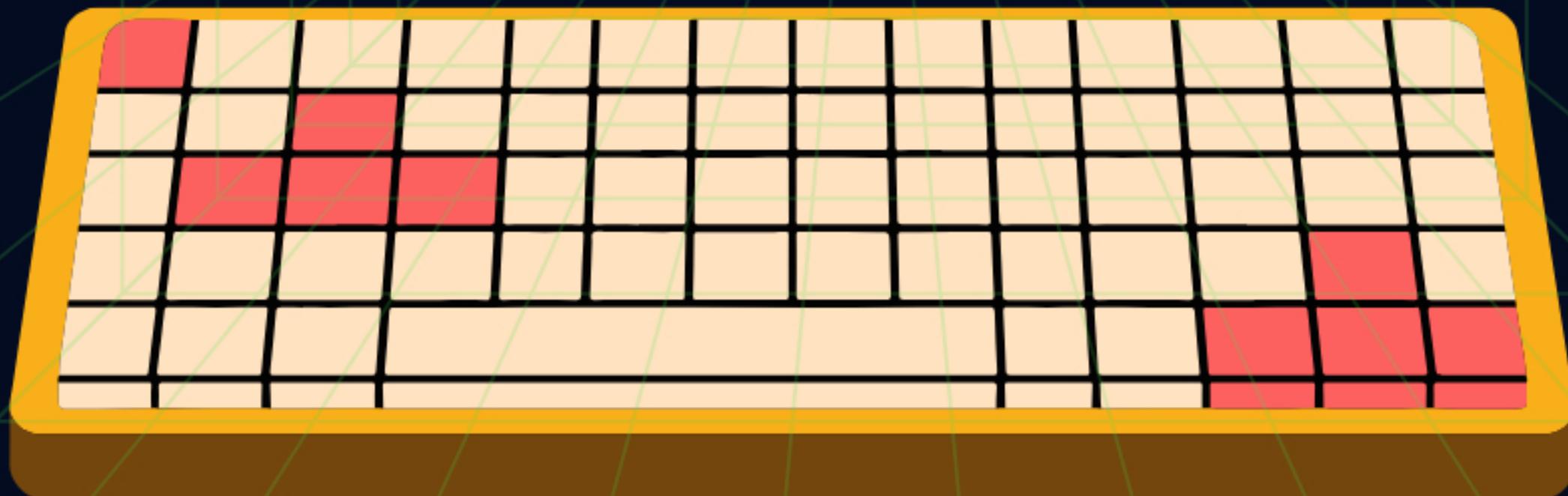


The 5 things you don't know about eBPF

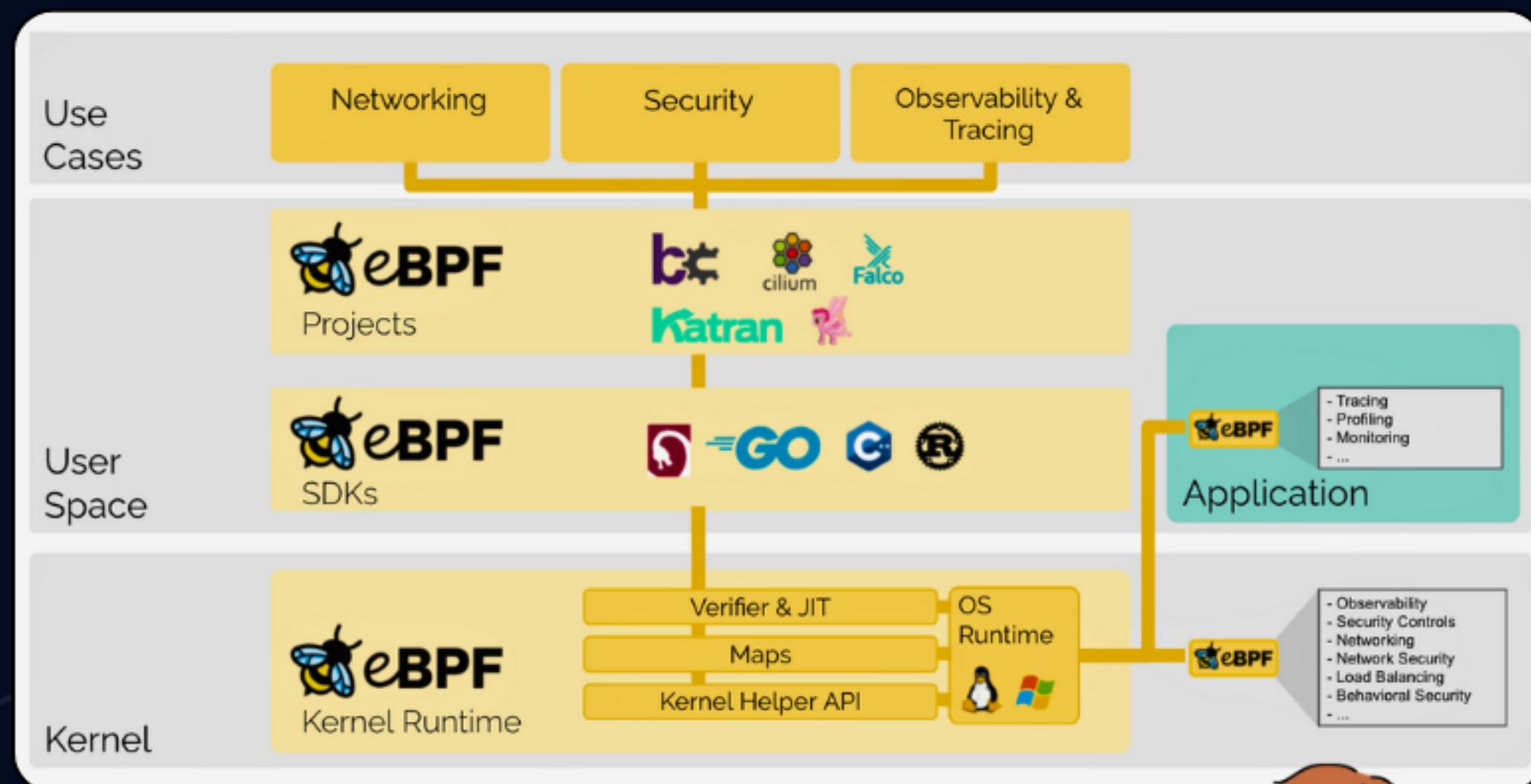


Swipe >>>



Eli Cohen

When it comes to enhancing system performance and security, **eBPF is your go-to!**

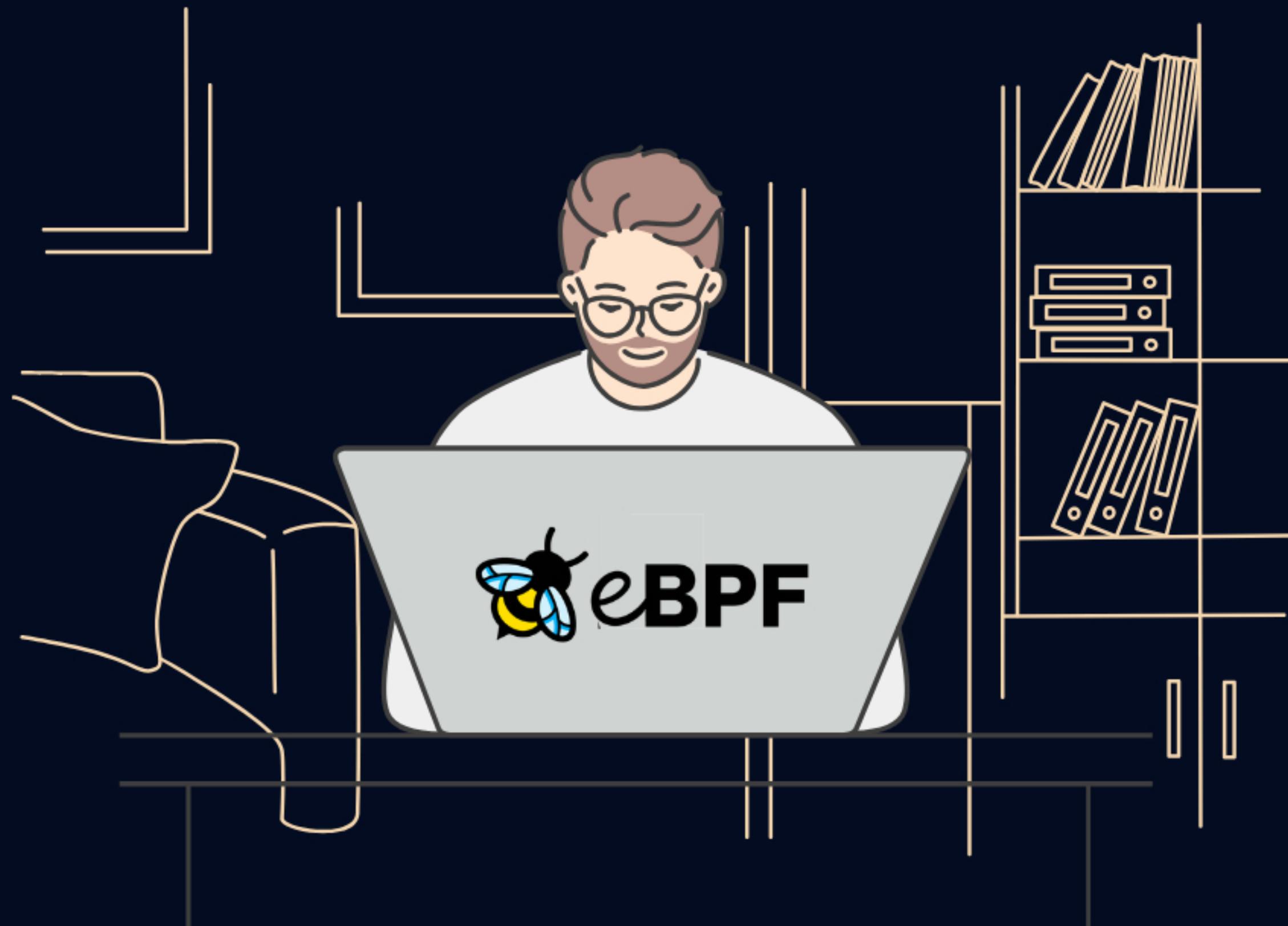


Swipe >>>



Eli Cohen

But did you even know about
these **lesser-known** aspects
of eBPF?



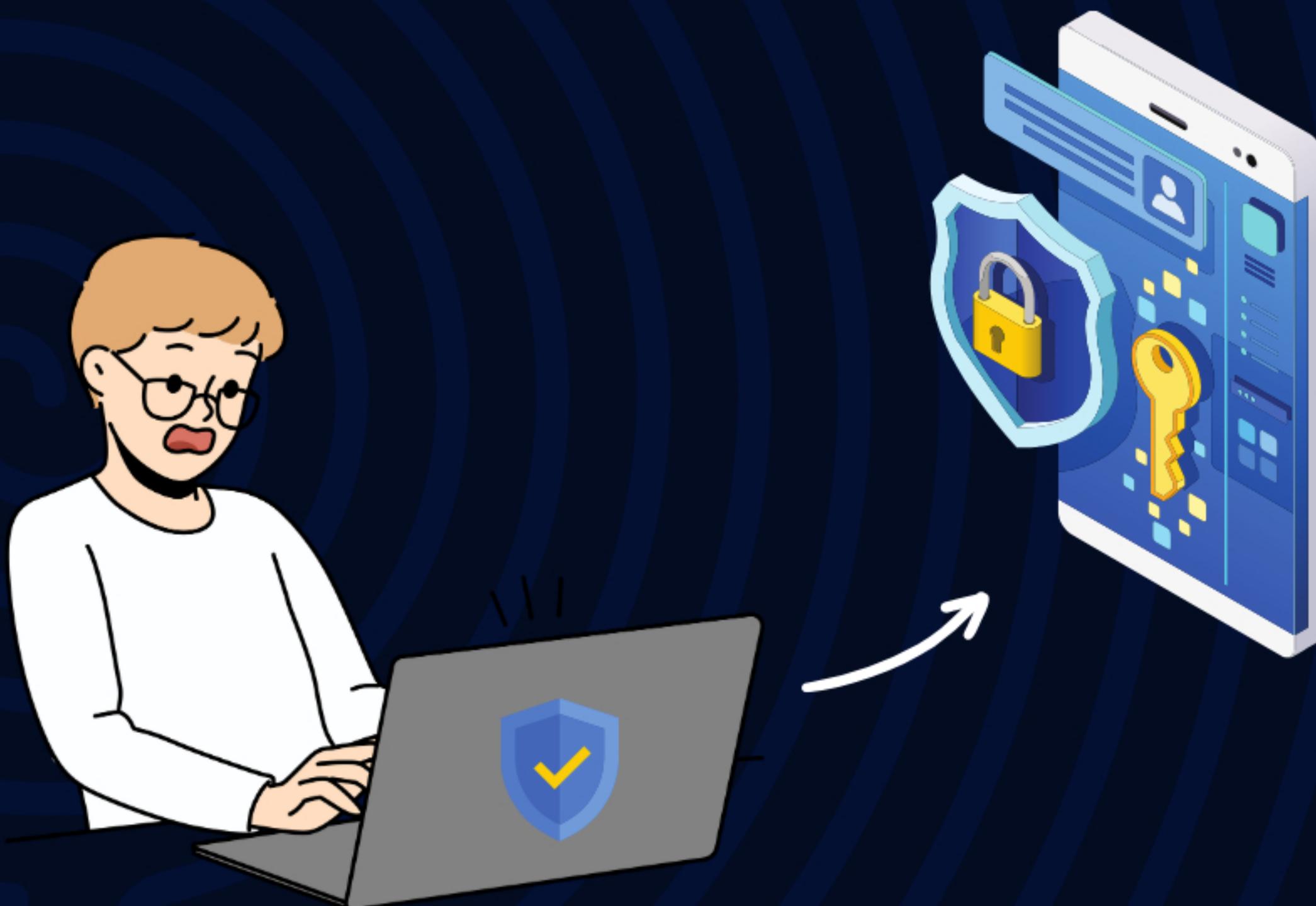
Swipe >>>



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Security Auditing:

eBPF is now widely used for security auditing and compliance monitoring. It enables real-time monitoring and enforcement of security policies, simplifying threat detection and response.



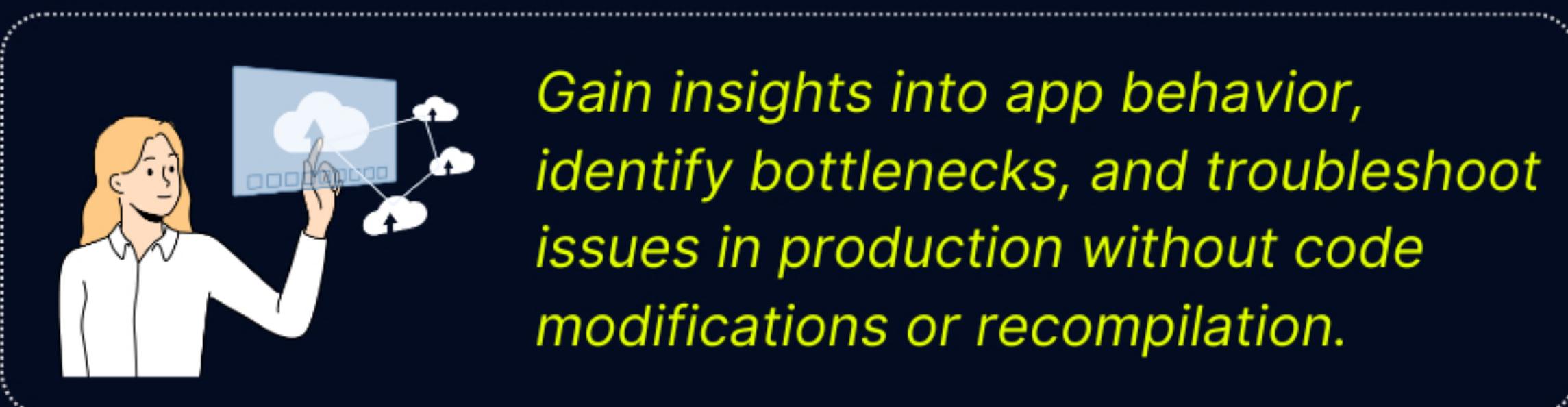
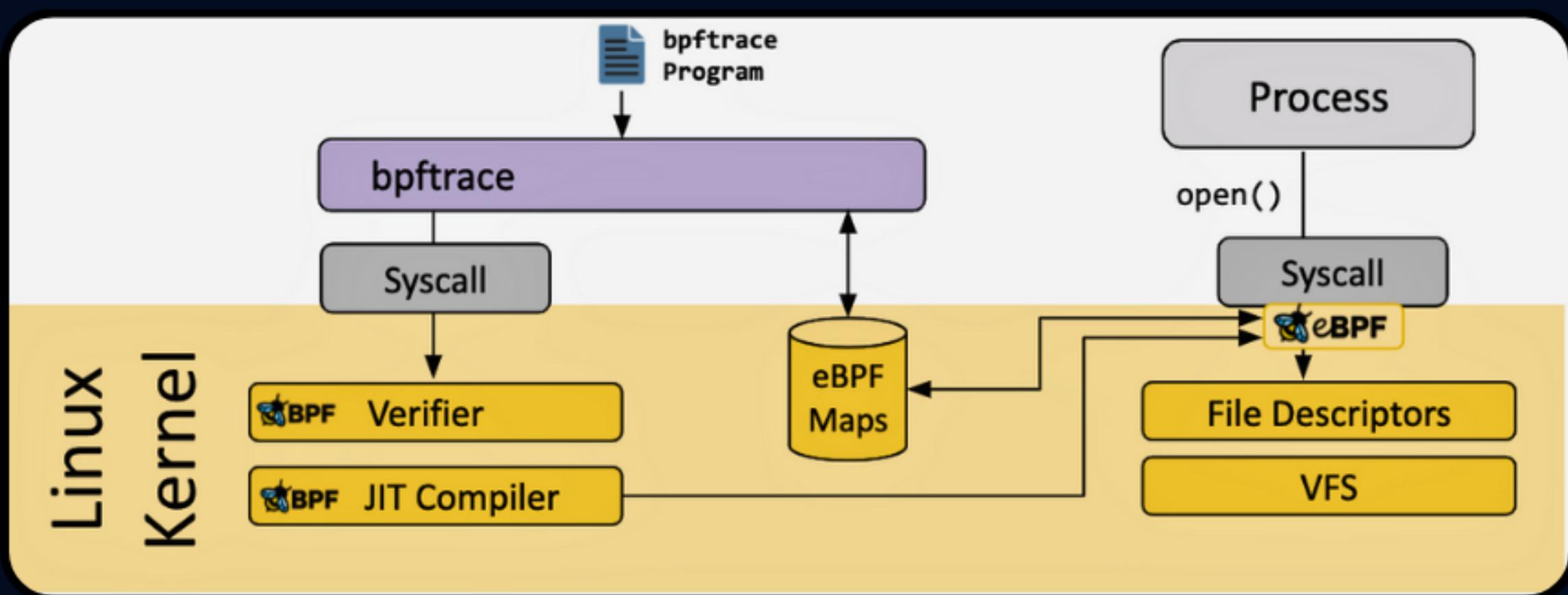
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Tracing and Profiling:

eBPF is a powerful tool for tracing and profiling applications.



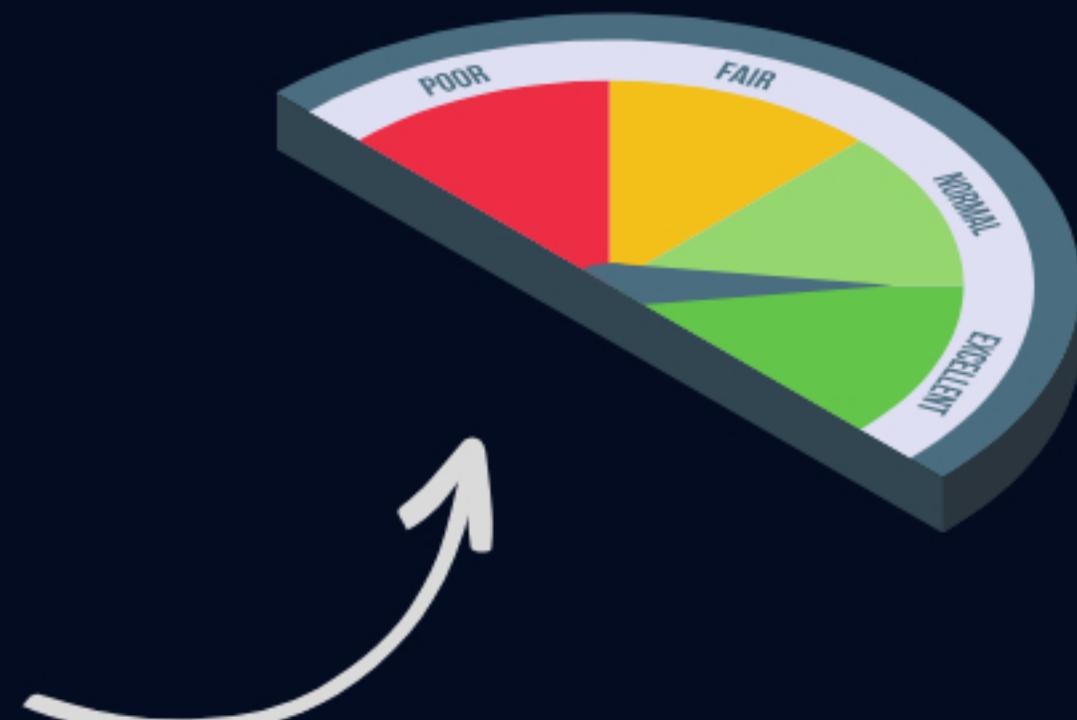
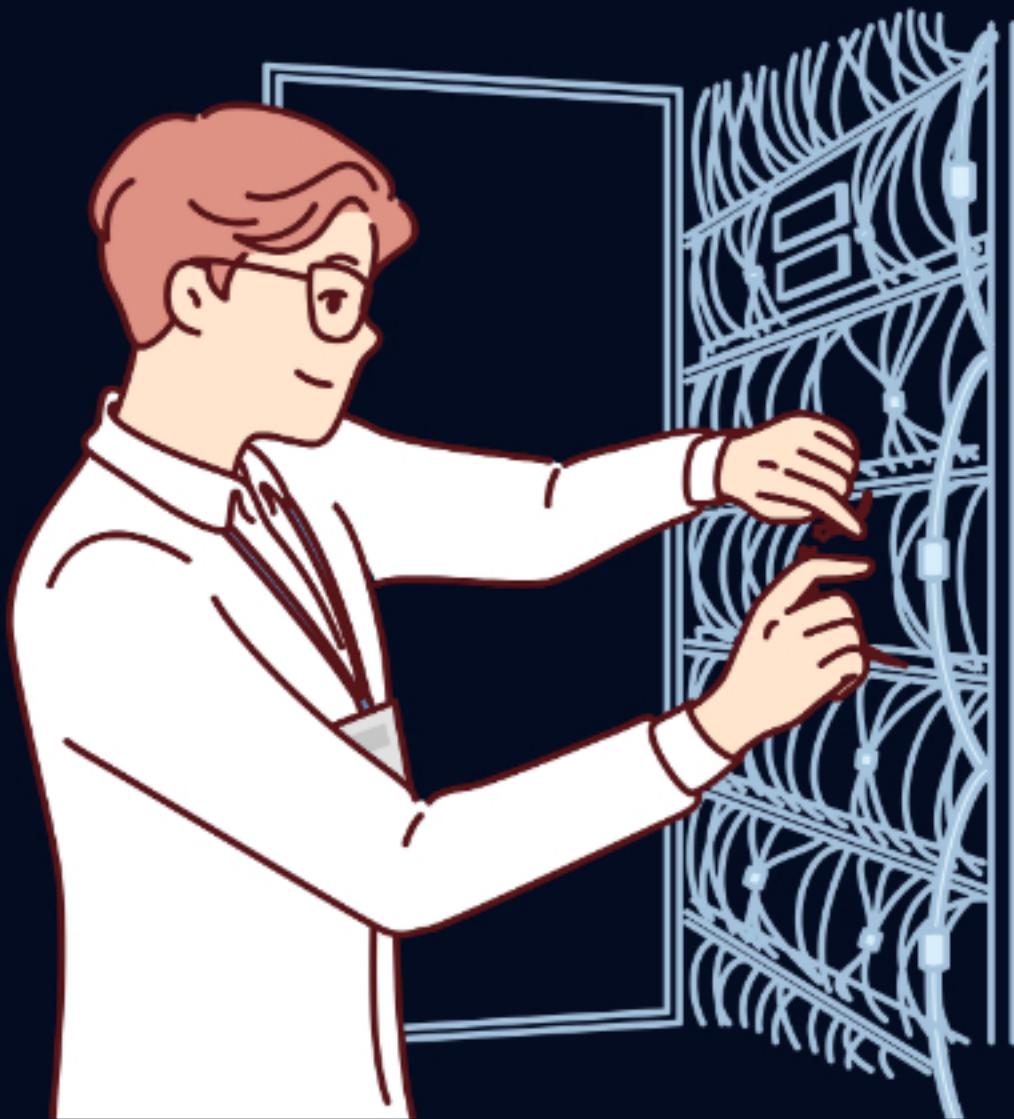
Swipe >>



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Performance Impact:

Poorly written eBPF programs can impact system performance, despite its inherent efficiency. Design and test carefully to avoid performance issues.



Swipe >>>



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Dynamic Program Loading:

eBPF programs can be dynamically loaded and attached to kernel hooks, eliminating the need for a reboot.

This allows real-time monitoring and adaptability, benefiting operations teams and security professionals.



Swipe >>>



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eBPF Maps:

eBPF programs use "maps" to store and share data between the kernel and user space. These maps have different types and can be utilized for statistics aggregation, sharing information between eBPF programs, and communication within containerized applications.

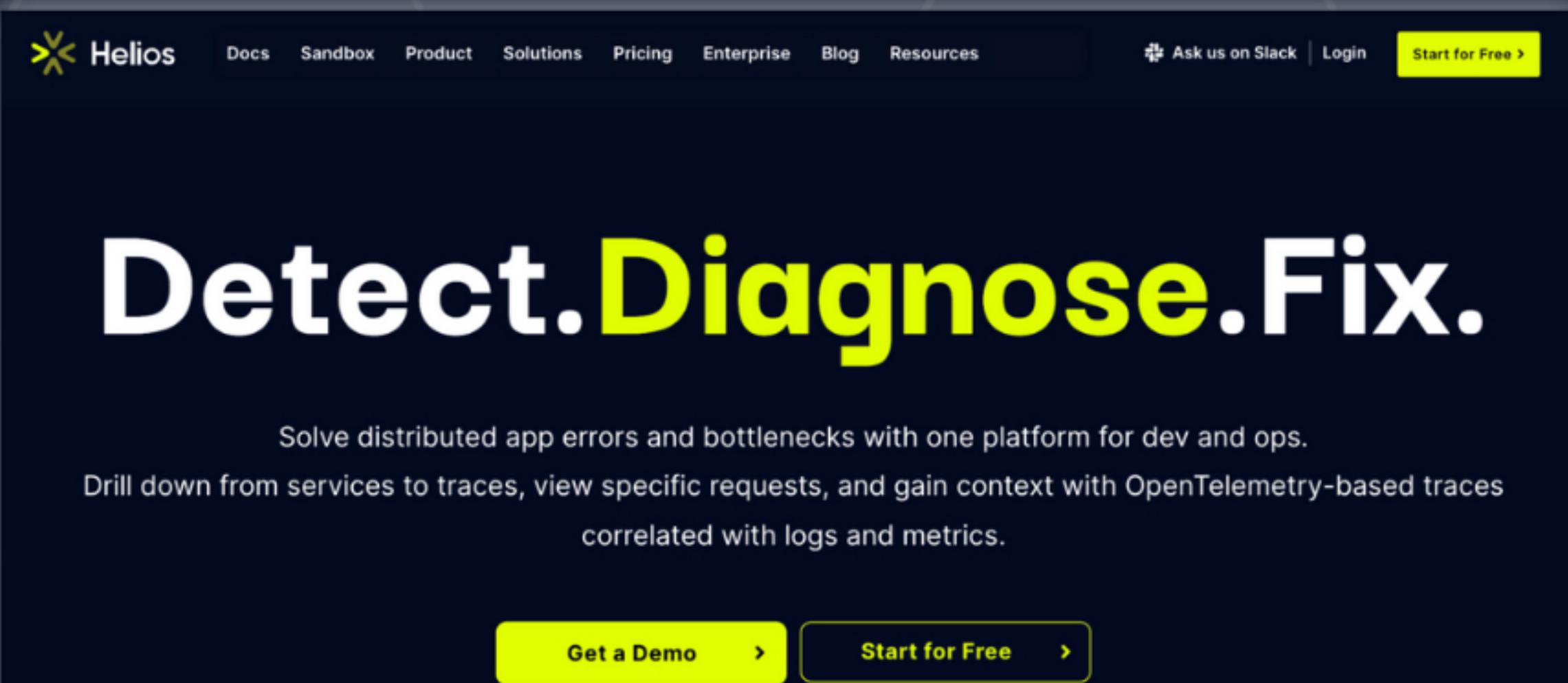


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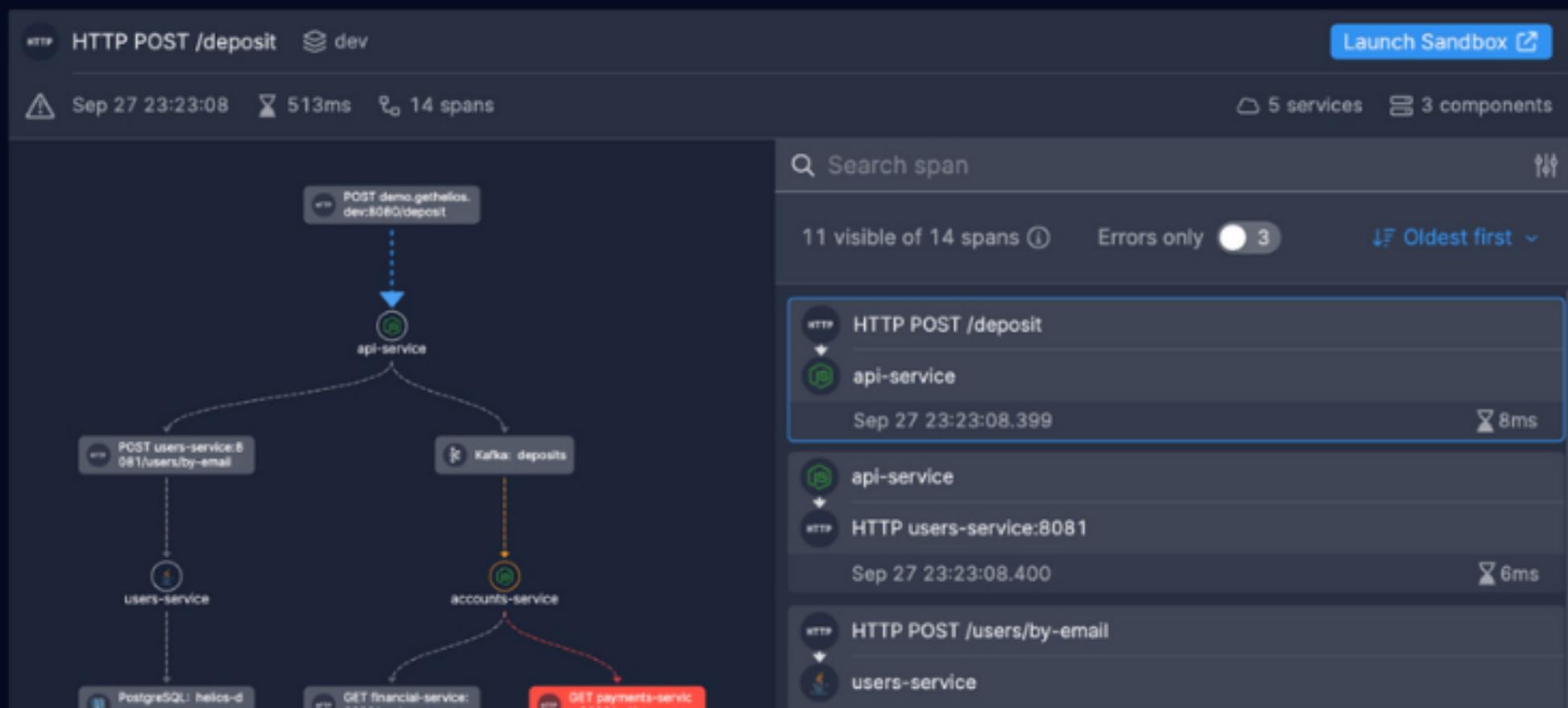


Eli Cohen

Helios leverages both eBPF and OpenTelemetry and provides Dev, Ops, and Sec teams with runtime insights, helping them reduce MTTR, shorten troubleshooting time, improve reliability, and prioritize vulnerabilities in distributed applications.



The screenshot shows the Helios web application. At the top, there's a navigation bar with links for Docs, Sandbox, Product, Solutions, Pricing, Enterprise, Blog, and Resources. To the right of the navigation are buttons for "Ask us on Slack", "Login", and a yellow "Start for Free" button. Below the navigation is a large, bold title "Detect. Diagnose. Fix." in white. Underneath the title, there's a subtitle: "Solve distributed app errors and bottlenecks with one platform for dev and ops. Drill down from services to traces, view specific requests, and gain context with OpenTelemetry-based traces correlated with logs and metrics." At the bottom of this section are two buttons: "Get a Demo" and "Start for Free".



Eli Cohen