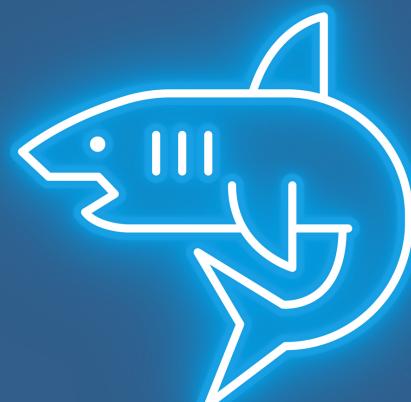




@michaelevan

Kubeshark: The Wireshark For Kubernetes

Your Resource for Kubernetes

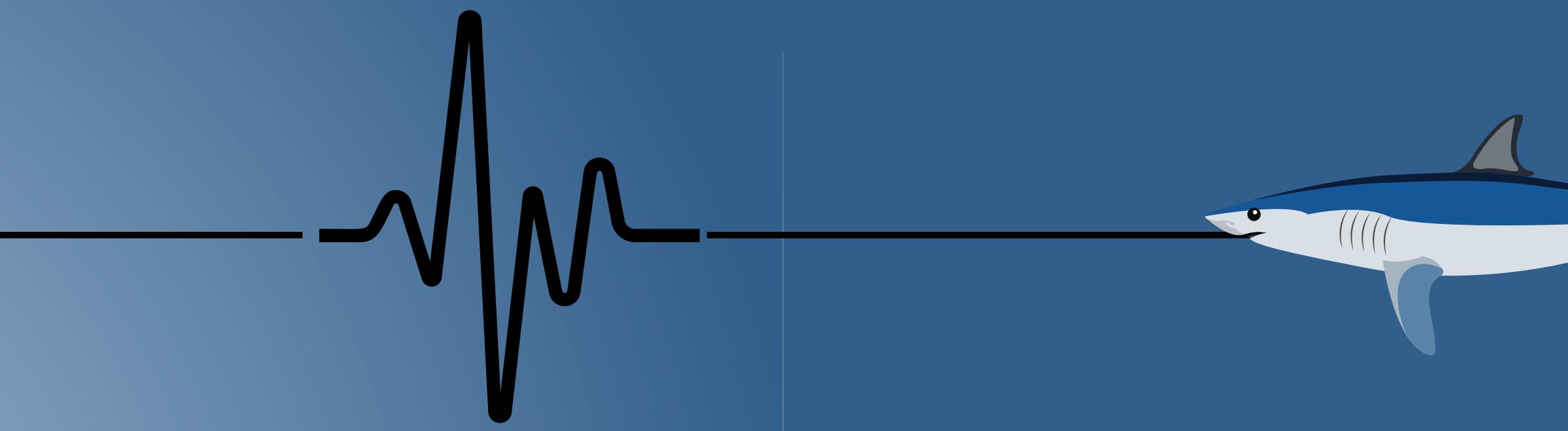


What is Wireshark?

Wireshark is a network packet **analyzer**.

What a packet analyzer is it views the traffic coming in and going out of your network.

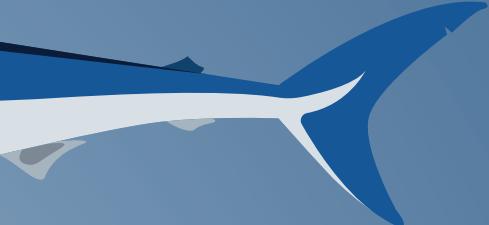
Wireshark helps out network admins/engineers with troubleshooting. Because it captures every packet that's sent and received on a particular **interface**.



Kubeshark

Much like Wireshark, is showcasing what's occurring for every call that's made.

The difference is Wireshark looks at packets. Kubeshark looks at all your **API** calls.



Why Kubeshark?

Filling the Void of Kubernetes!

Seeing API calls in a visual Way!



Can I see API calls without Kubeshark?

Sure... Run this command

```
kubectl get pods -v=8
```



kubernetes

Kubeshark UI

Kubeshark Traffic viewer for Kubernetes

Targetting 27 pods in r

Pod name

streaming live traffic

timestamp >= now()

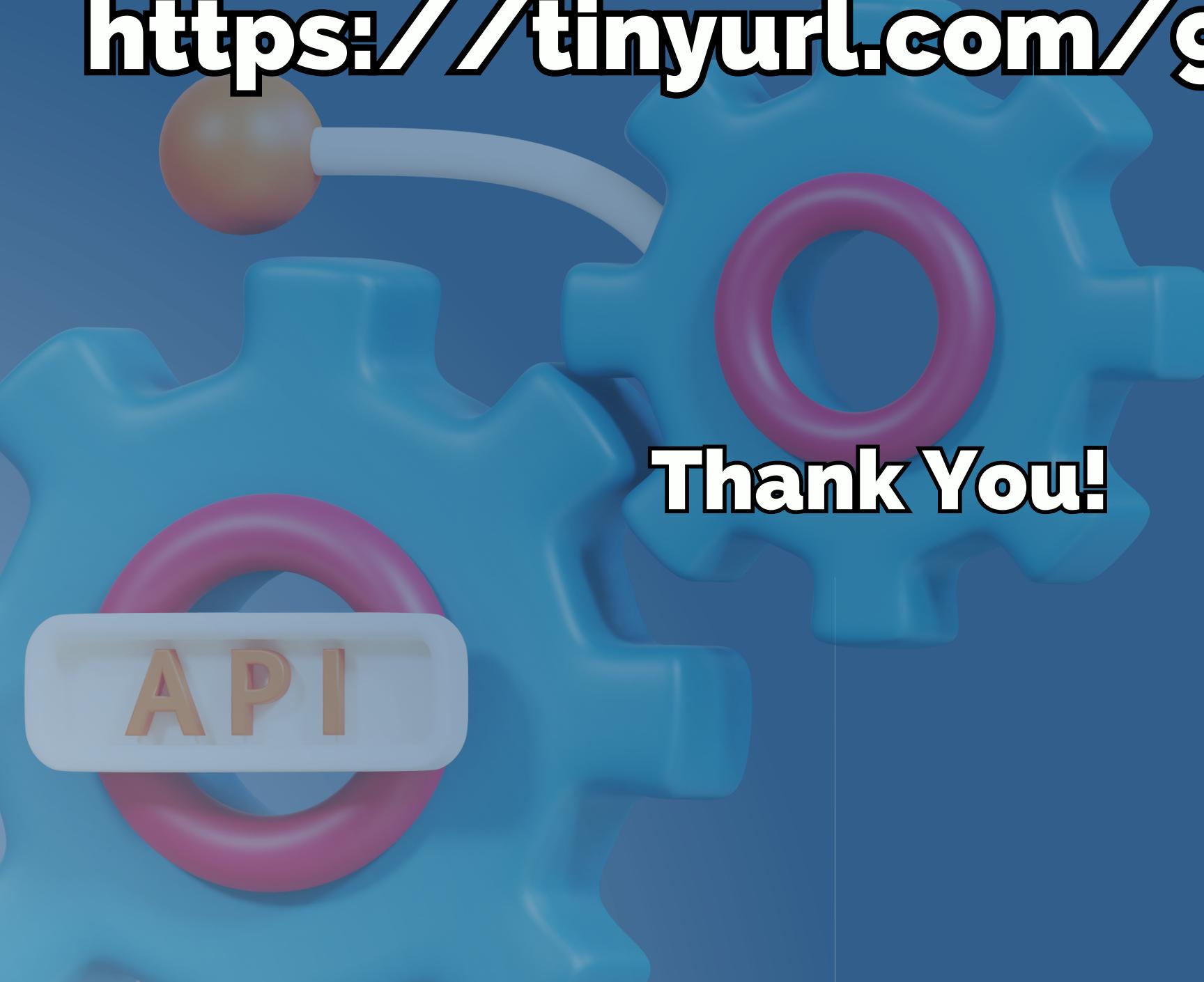
Apply

HTTP	Method	Path	Source IP	Destination IP	Date
HTTP	POST	/pcaps/set-storage-limit	10.224.0.16:43808	10.224.0.62:8897	01/01/2023, 4:20:34.249 PM
HTTP	POST	/pcaps/set-storage-limit	10.224.0.16:43794	10.224.0.62:8897	01/01/2023, 4:20:34.249 PM
HTTP	GET	/ws	10.224.0.16:43790	10.224.0.62:8897	01/01/2023, 4:20:34.247 PM
HTTP	GET	/metadata/scheduledevents	10.224.0.33:50902	169.254.169.254:80	01/01/2023, 4:20:34.287 PM
HTTP	GET	/metadata/scheduledevents	10.224.0.33:50918	169.254.169.254:80	01/01/2023, 4:20:34.308 PM
HTTP	GET	/metadata/scheduledevents	10.224.0.33:50920	169.254.169.254:80	01/01/2023, 4:20:34.309 PM
HTTP	GET	/ws	10.224.0.16:39054	10.224.0.62:8897	01/01/2023, 4:20:34.315 PM
HTTP	GET	/atom/tcp_stream_000000015.pcap-0	10.224.0.16:43824	10.224.0.62:8897	01/01/2023, 4:20:35.270 PM
HTTP	GET	/pcaps/total-tcp-streams	10.224.0.16:43824	10.224.0.62:8897	01/01/2023, 4:20:35.270 PM
HTTP	GET	/atom/10.224.0.62:8897/tcp_stream_00000	10.224.0.63:41248	10.224.0.16:80	01/01/2023, 4:20:35.427 PM
HTTP	POST	/pcaps/set-storage-limit	10.224.0.16:39072	10.224.0.62:8897	01/01/2023, 4:20:35.428 PM

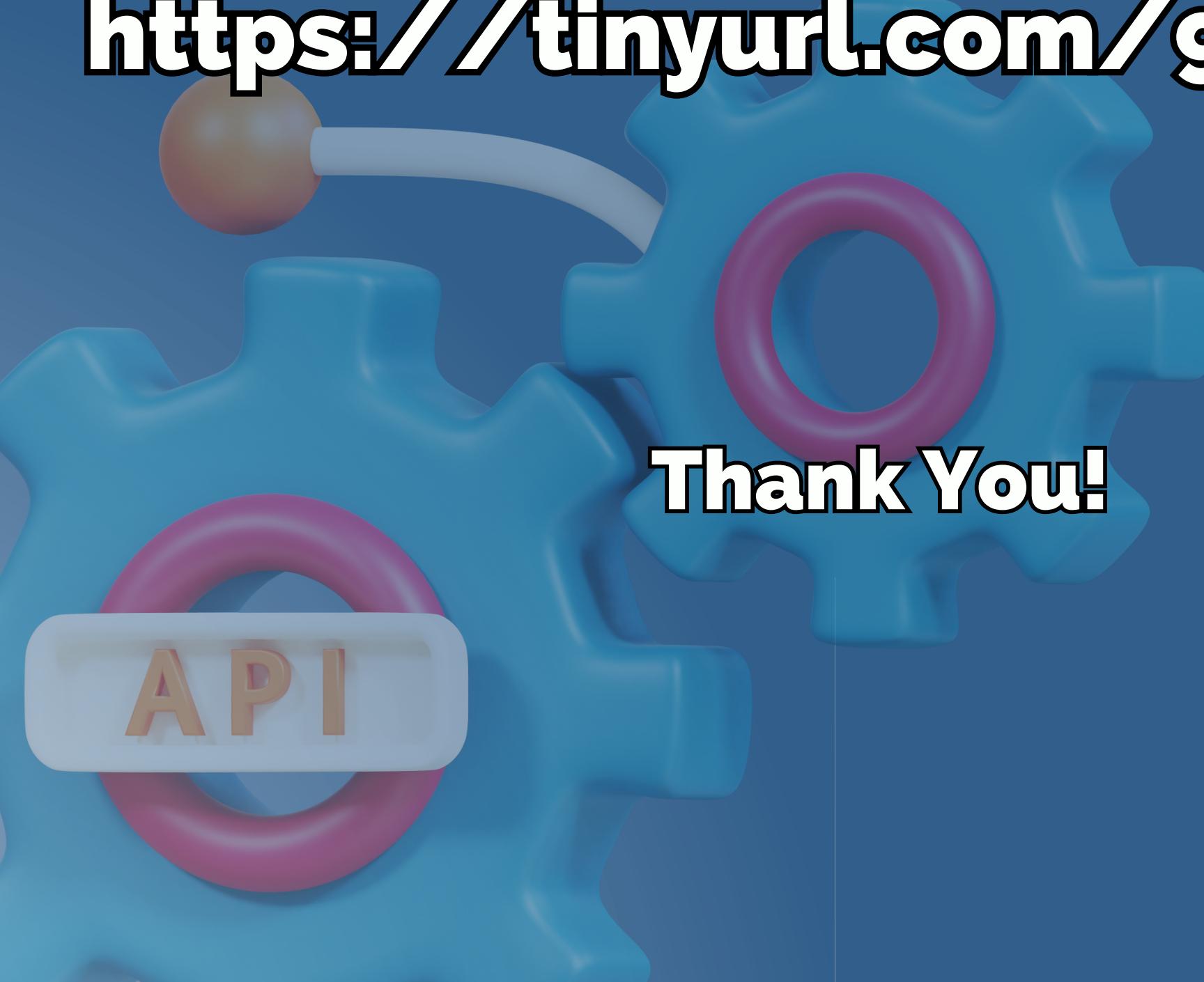
wow!

Full Blog Post with Step-By-Step "How To"

<https://tinyurl.com/gtn2dpsr>



Thank You!



API