



FMADIO 4th Gen Packet Capture

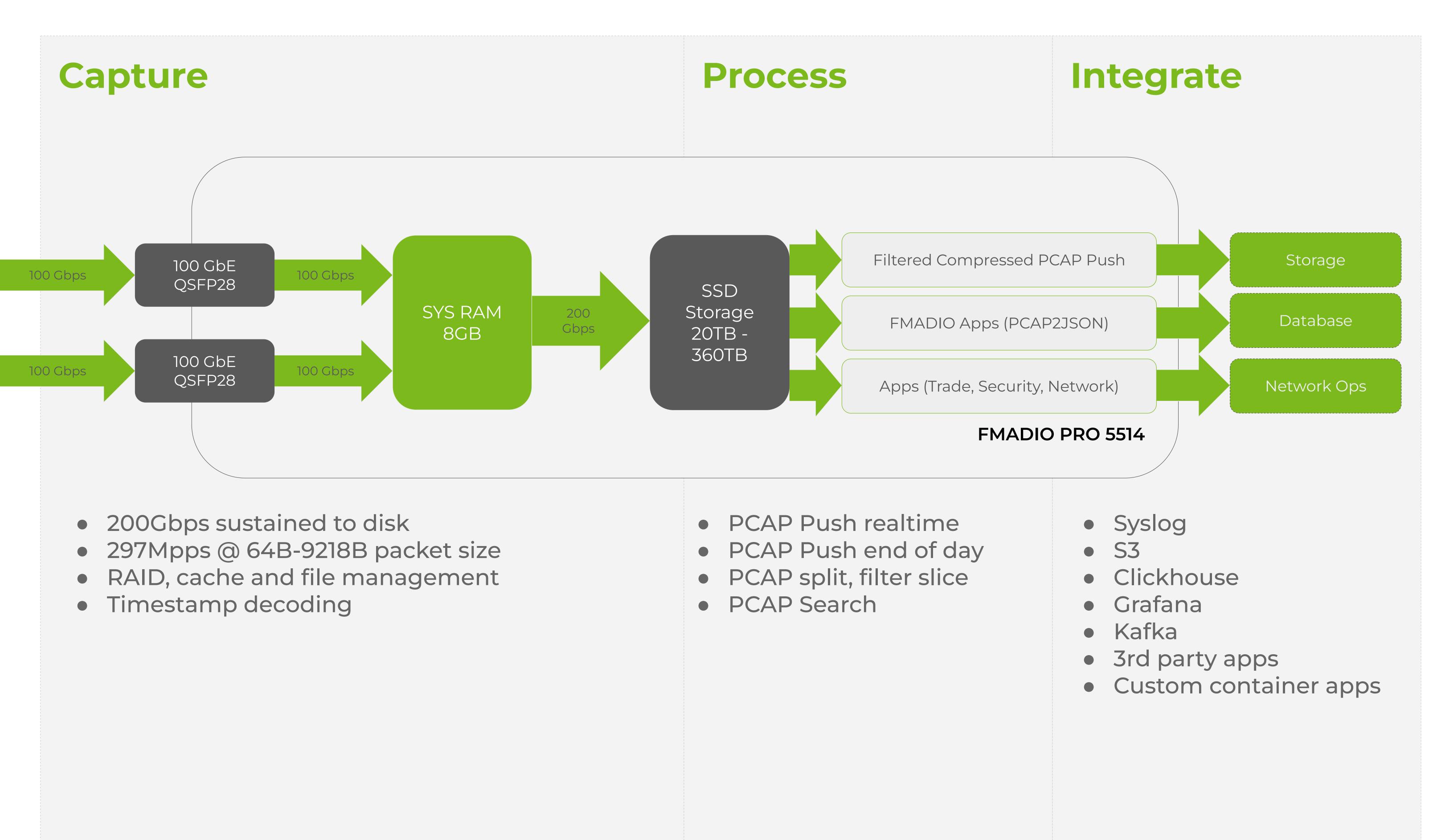
Full line rate 200G Packet capture, 297.6Mpps in a compact 1U form factor with PCIe Gen x12 NVMe high speed SSDs and x2 QSFP28 interfaces.

- → 20Gbps to 200Gbps Sustained Packet Capture
- → Capture ports: **10G, 25G, 40G, 100G**
- 2x QSFP28 Ports
- → SR4/LR4/CX4+FEC support
- → 45TB ~ 360 TB RAID5 Storage
- → Up to 384 CPU
- → Up to 1.5TB RAM
- SED Disk Encryption by default



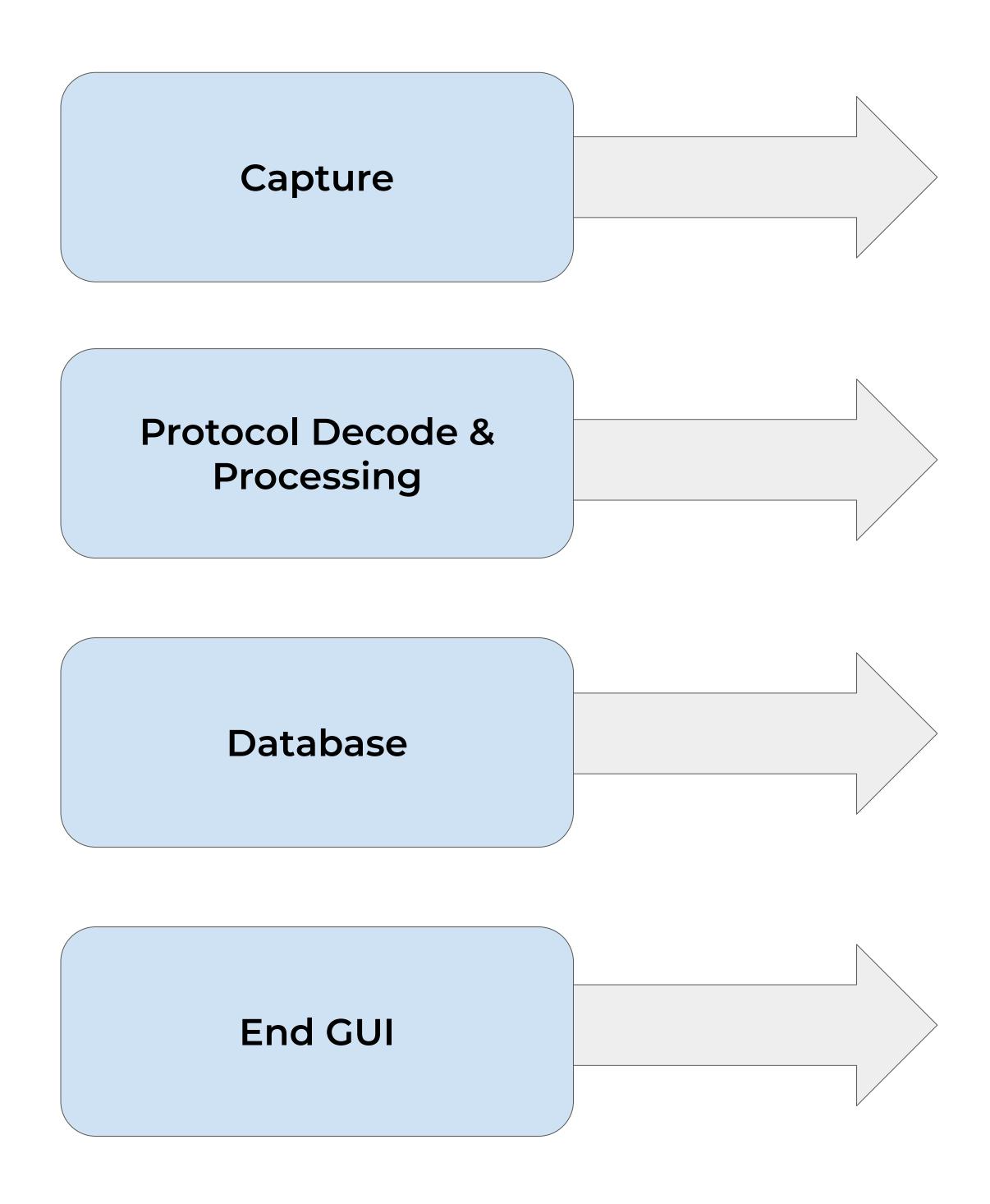
Capture • Process • Integrate 10G 40G 100G PACKET CAPTURE

Capture, Process, Integrate



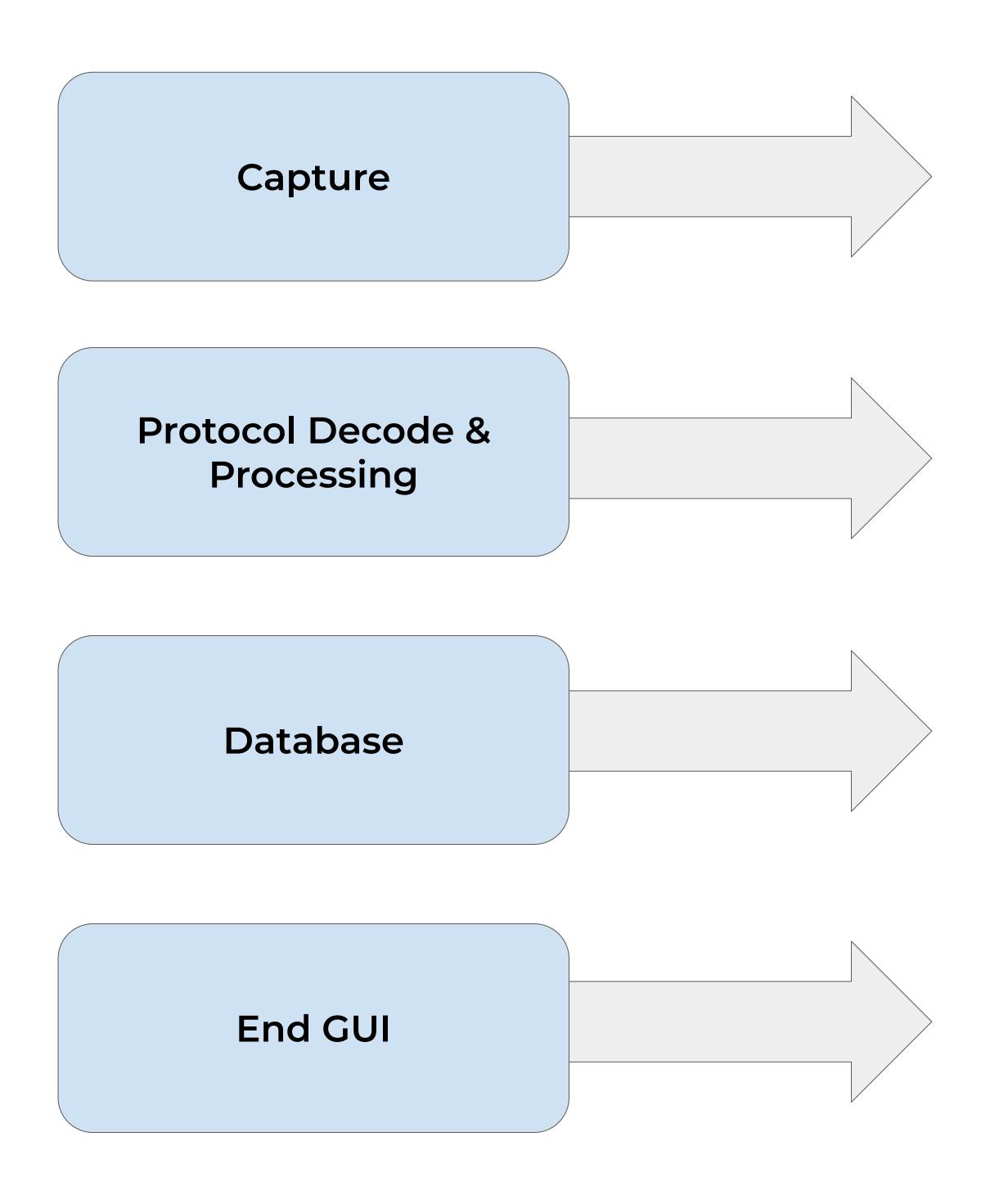


The traditional method





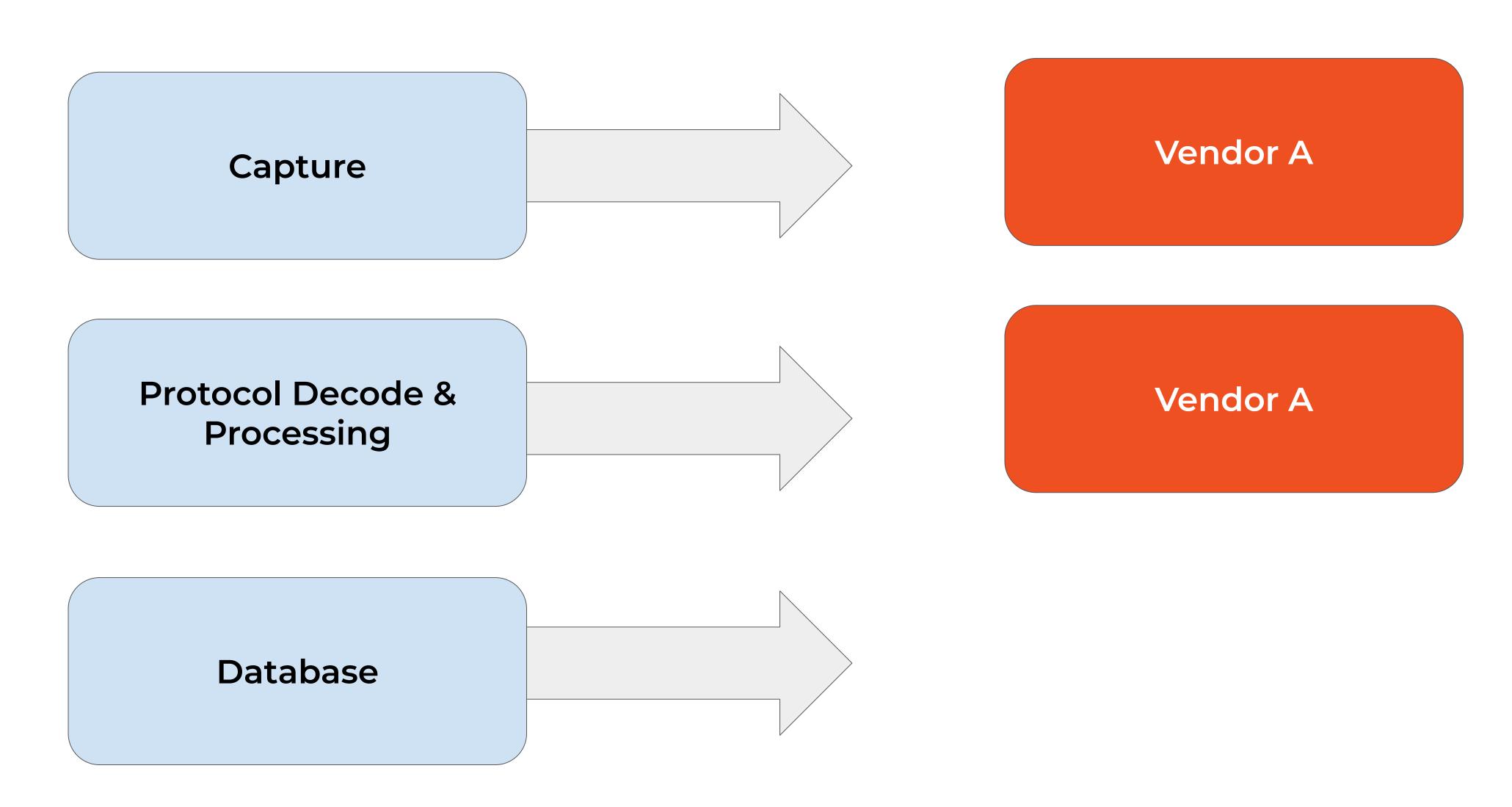
Vendor A does Capture



Vendor A

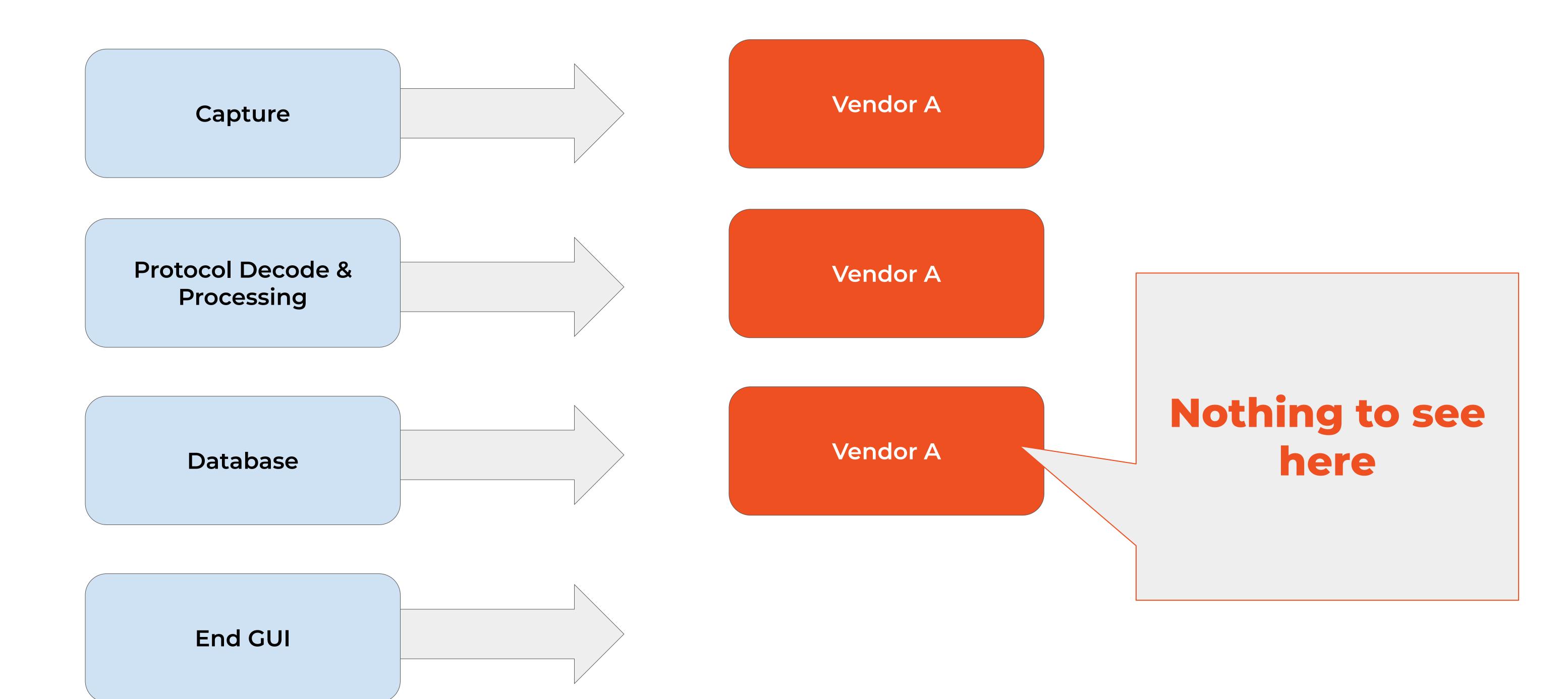


Vendor A decodes the data



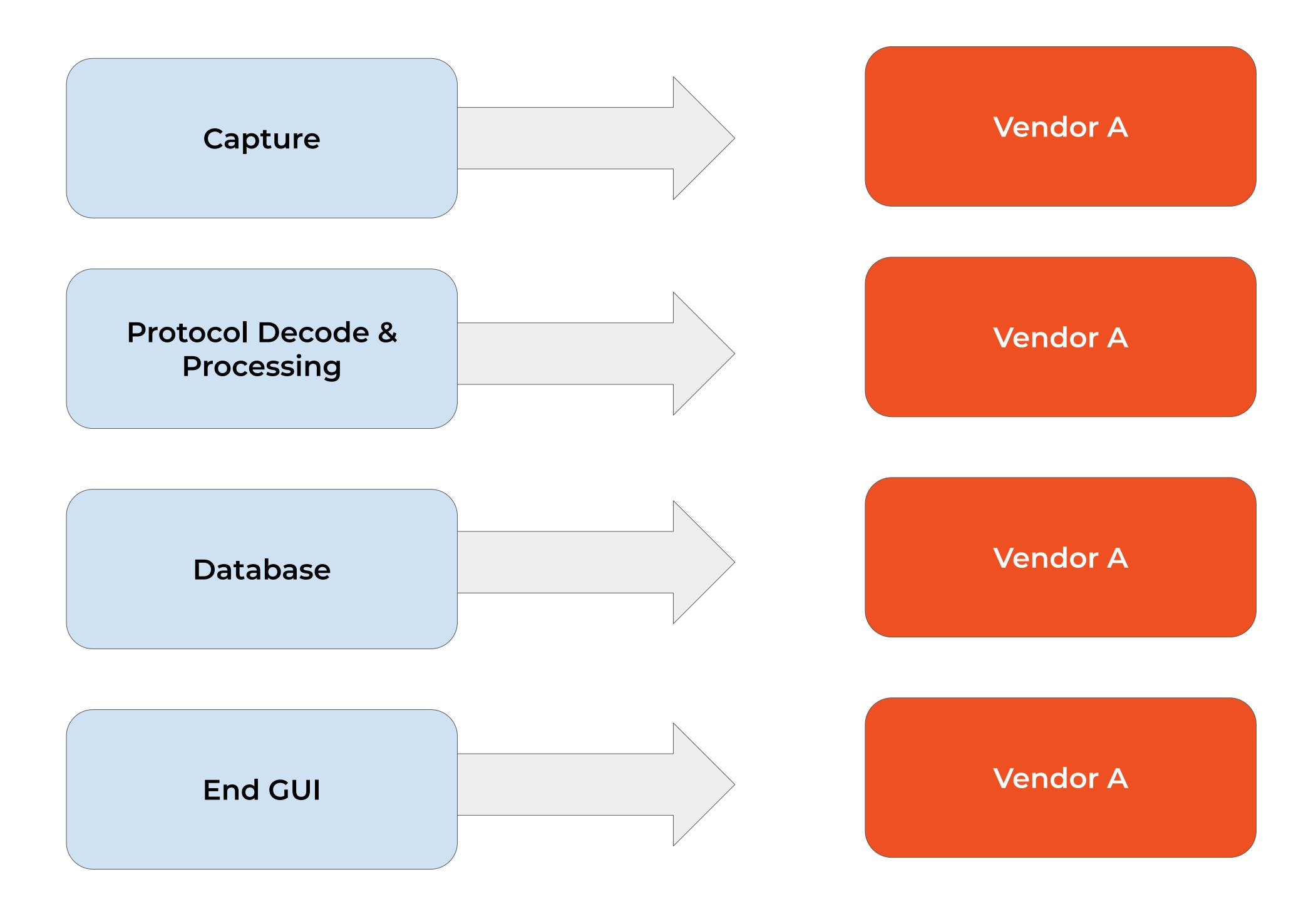


Database backend is hidden





Vendor A also does the GUI





And it runs on Vendor A Hardware

Capture Protocol Decode & Processing Database **End GUI**

Vendor A

Vendor A

Vendor A

Vendor A

Hardware by Vendor A

Software by Vendor A

Conscription by Vendor A



Why put all the eggs in one basket?

→ PCAPs are PCAPs





Consider a different approach

Capture

Protocol Decode & Processing

Database



FMADIO as PCAP generation

Capture

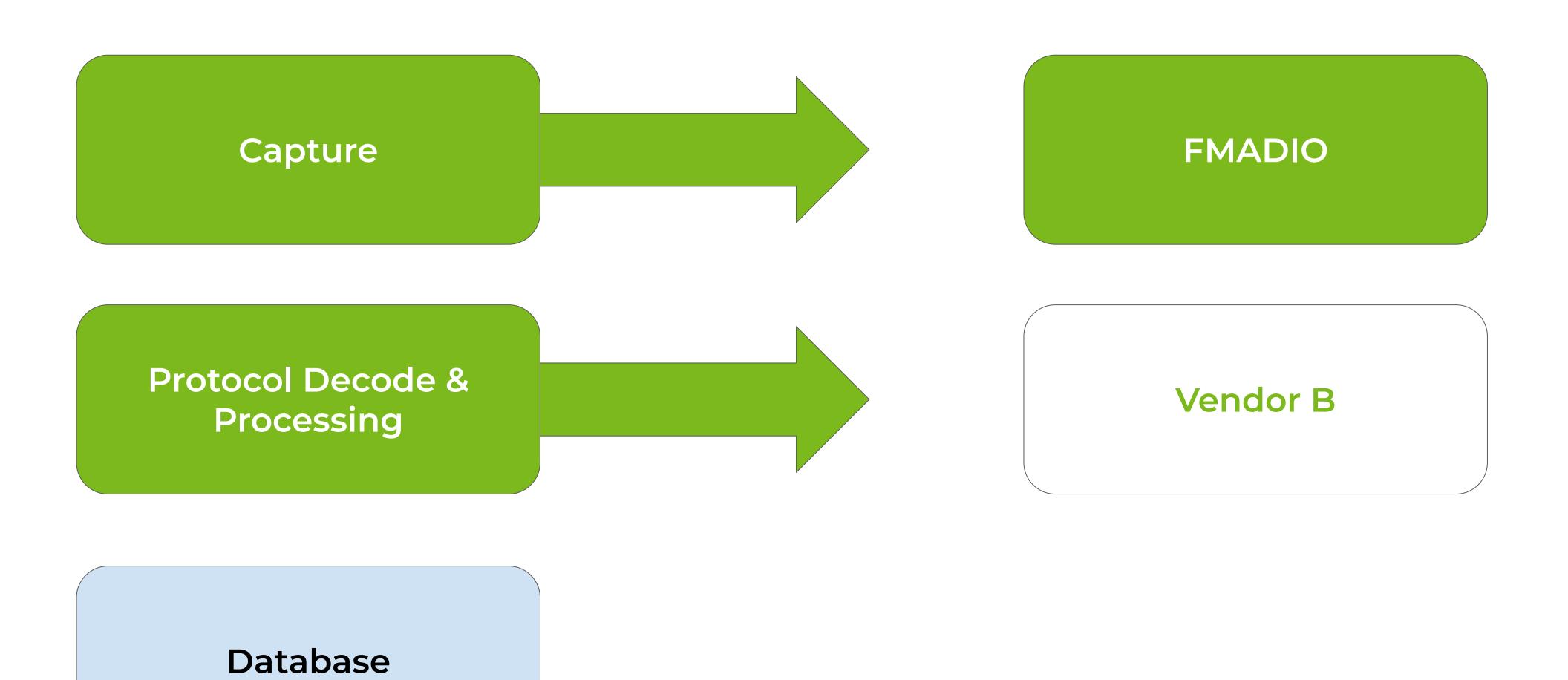
FMADIO

Protocol Decode & Processing

Database



Vendor B converts PCAPs to data





Vendor B converts PCAPs to data

Capture

Protocol Decode & Processing

Database

End GUI

FMADIO



DIY roll your own



Open Markets Initiative (298 protocols wireshark decoders)



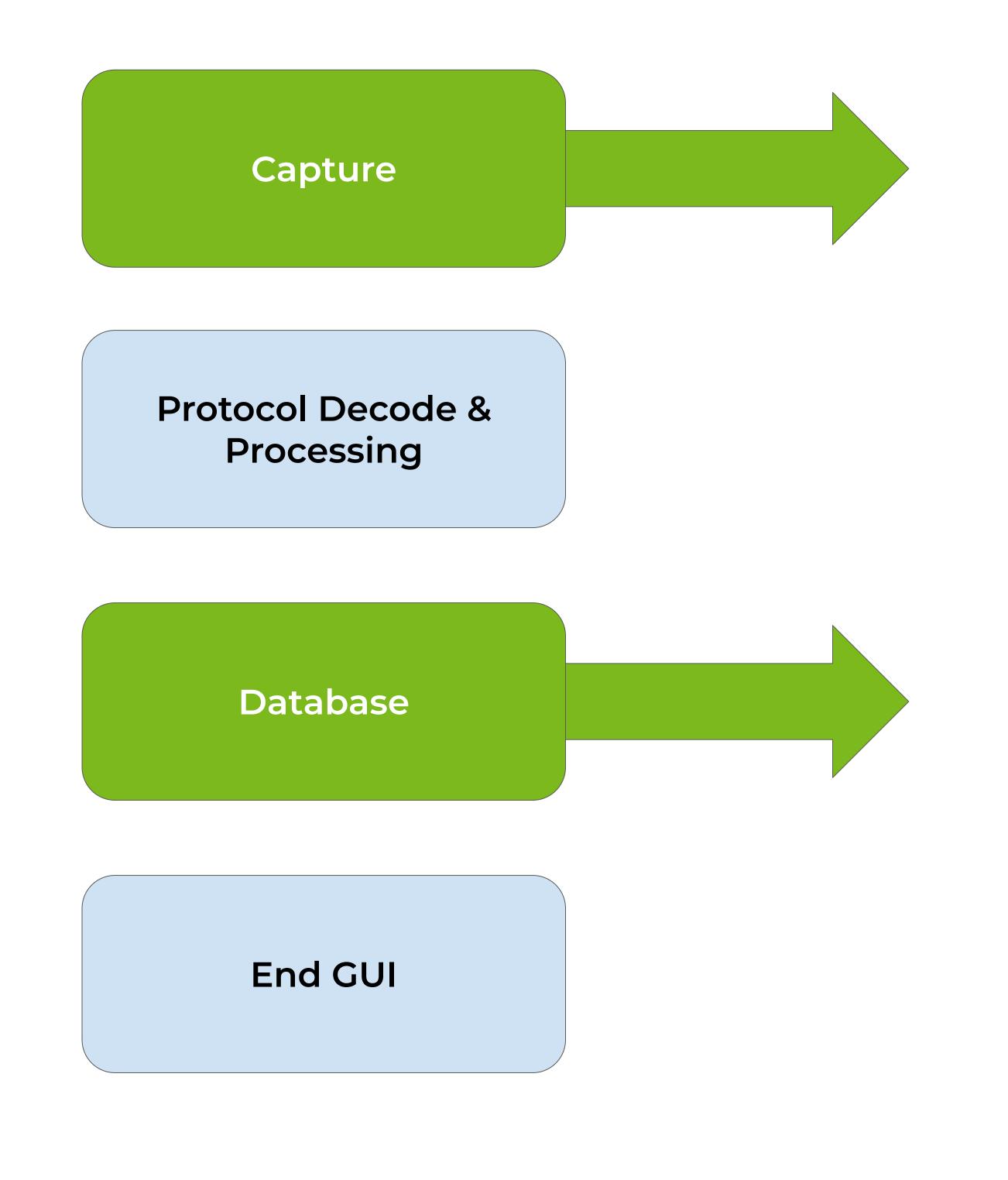
Instrumentix (fullstack solution)



(every market globally)



Database usual suspects



FMADIO

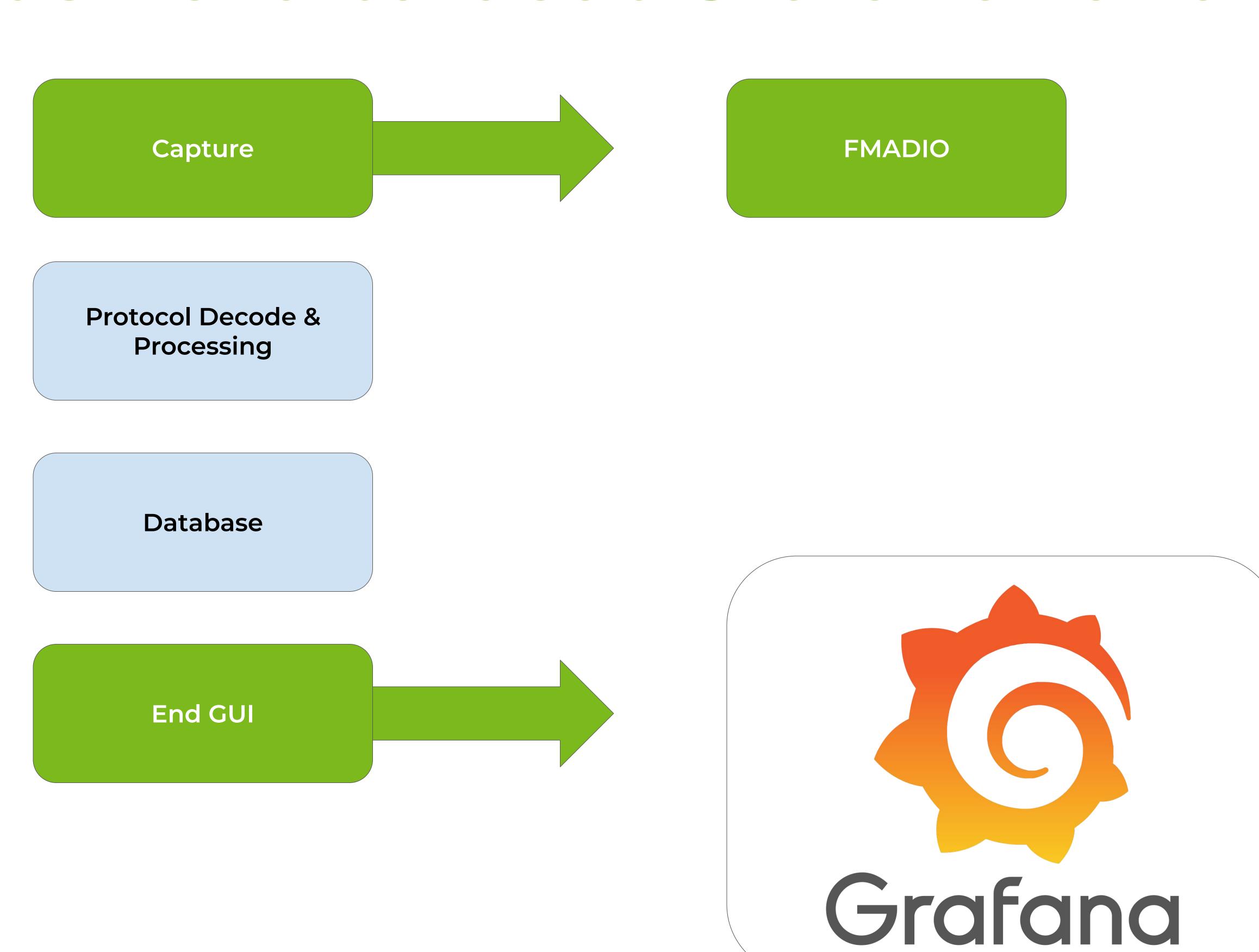








It's hard to beat Grafana for a Ul





This can run on FMADIO Hardware

Capture Protocol Decode & Processing

End GUI

Database

FMADIO

Vendor B

Elastic Clickhouse Timescale

Grafana





Hardware **FMADIO**





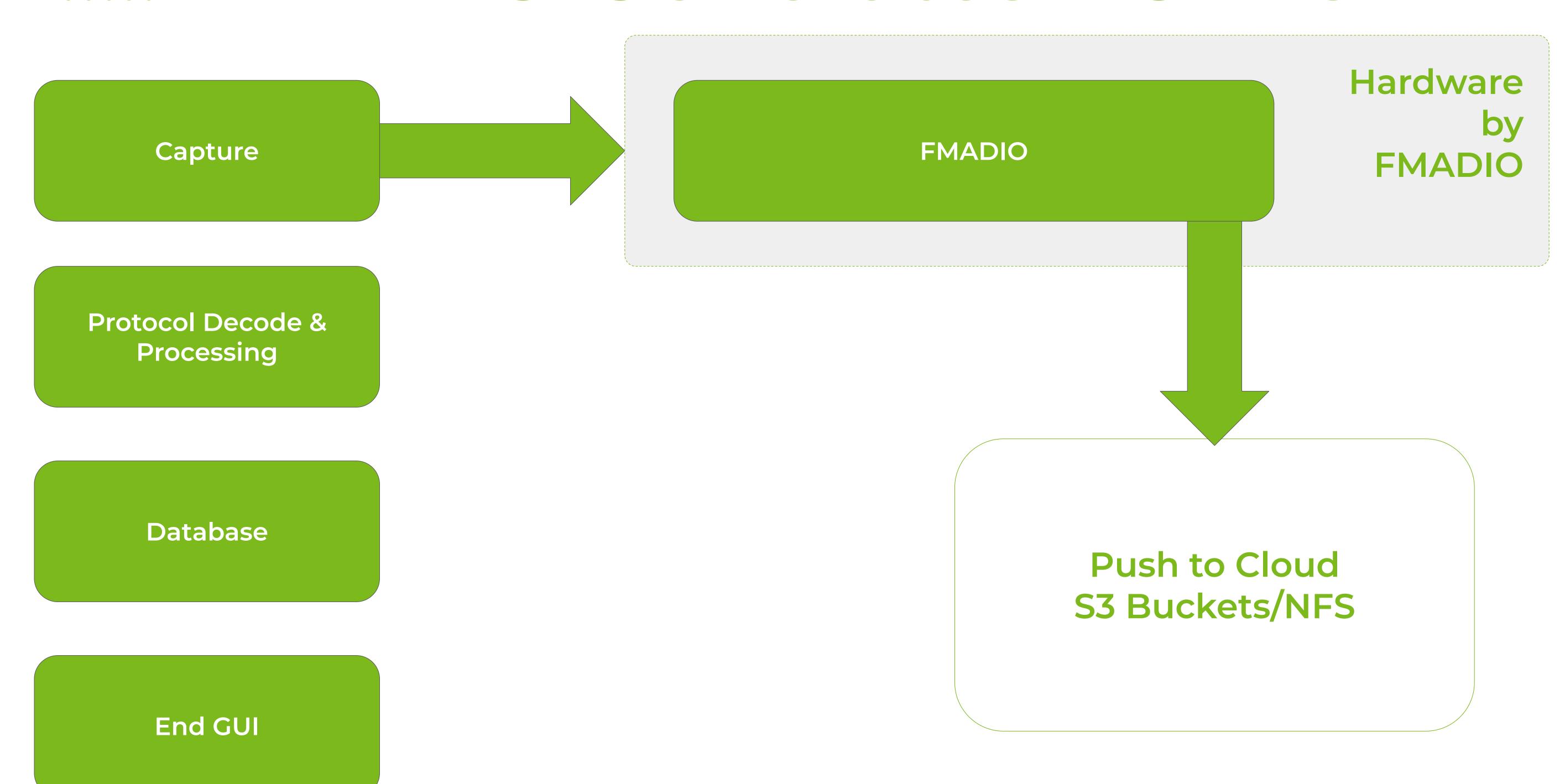


LSEG Real-Time **Ultra Direct**



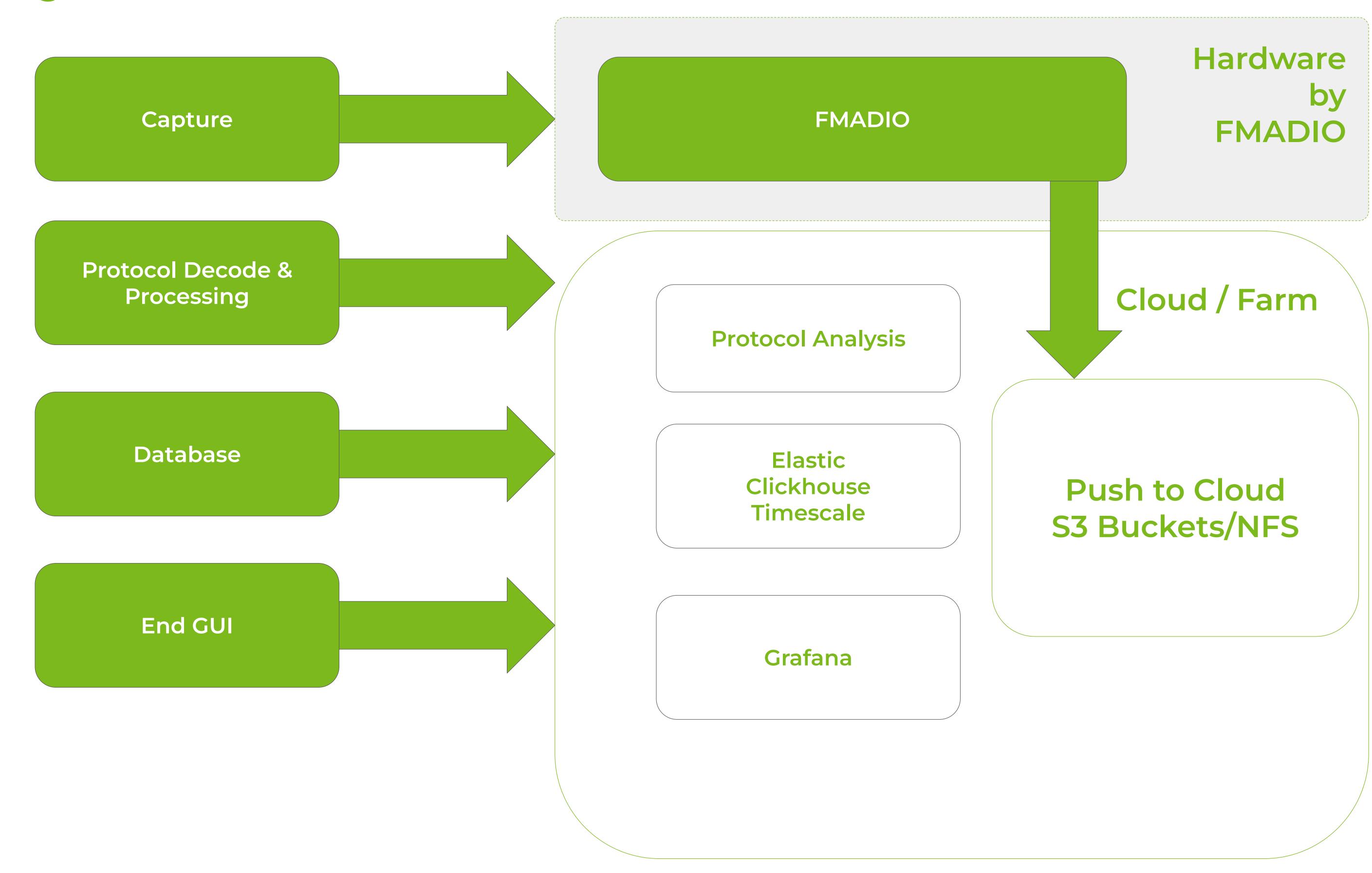


or.... FMADIO Generates PCAPs



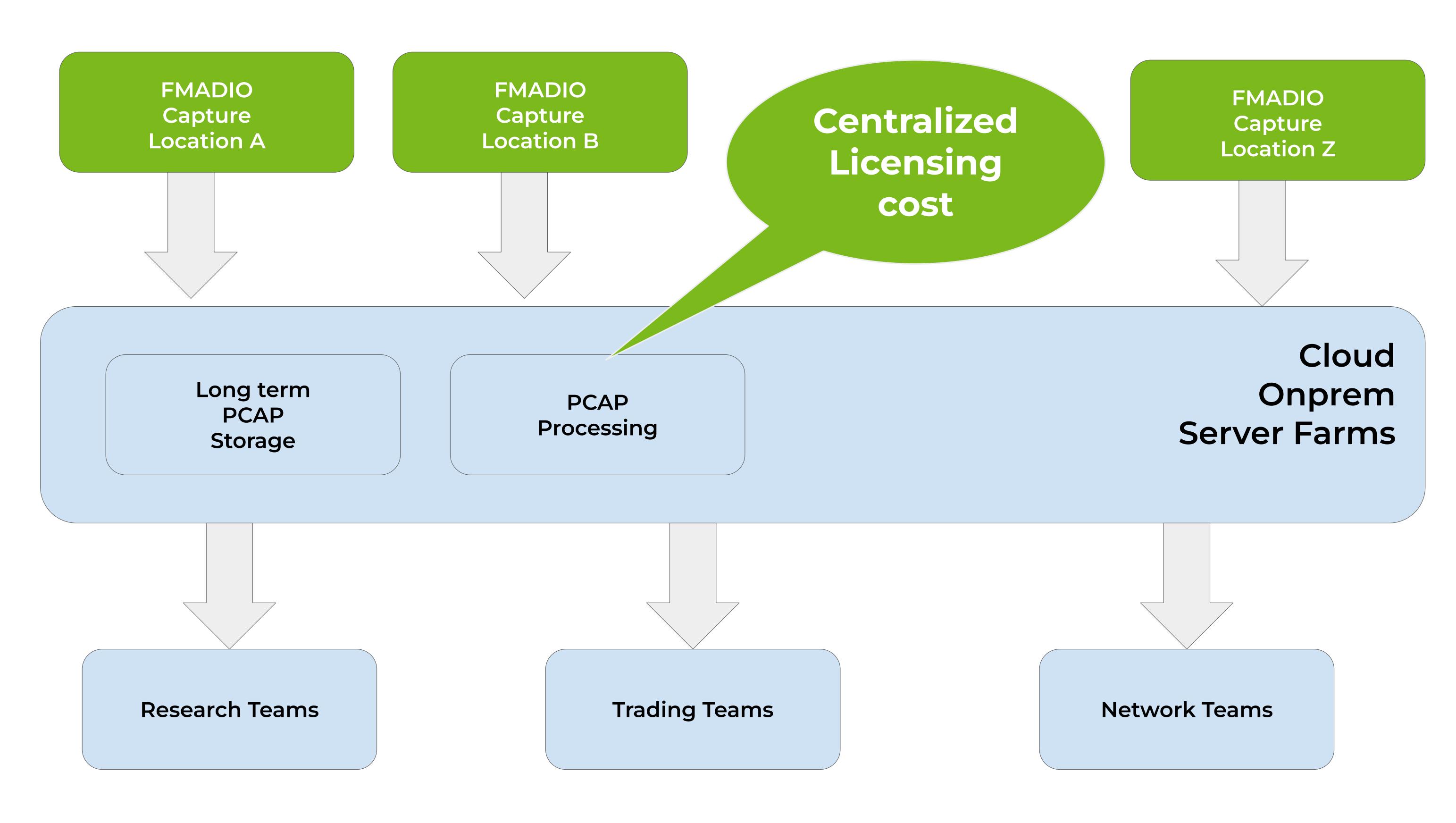


Hybrid Colo Cloud Environment





Then you can really decouple it





The FMADIO advantage

What we do...

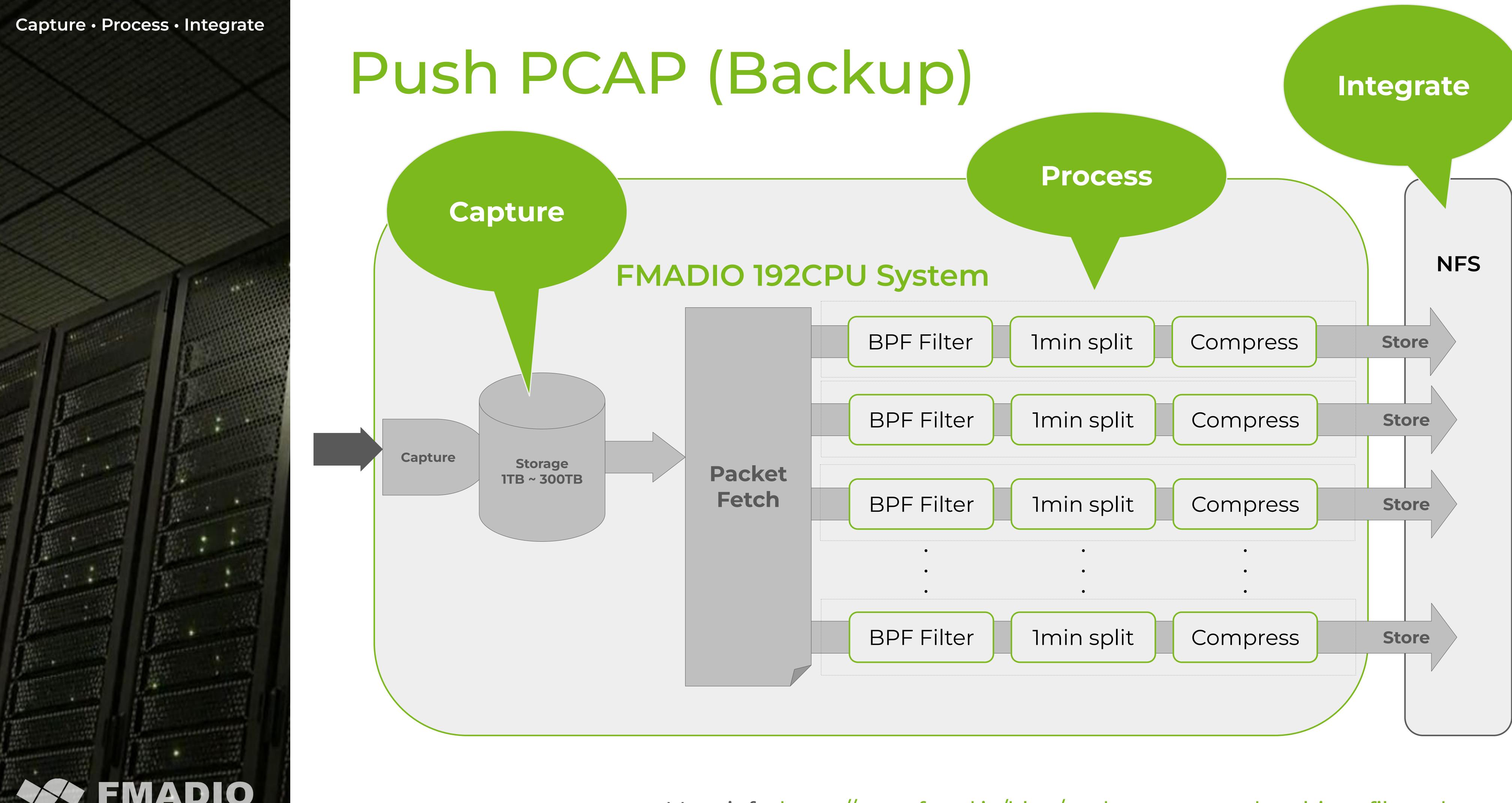
- Provide hardware and software to simplify the capture process.
- Provide APIs and samples to access
 to PCAPs as you want them in the
 format you want them.
- Allow for a write-once, read-many scenario integrate with many different applications.
- Eliminate vendor lock in by decoupling capture, process and integrate.

... what we don't do!

- Make it difficult to access your data in a standardized PCAP format.
- Only allow processing of data with proprietary tooling.
- Create vendor lock in with a closed ecosystem.







10G 40G 100G PACKET CAPTURE