

The dark art of container monitoring

Luca Marturana

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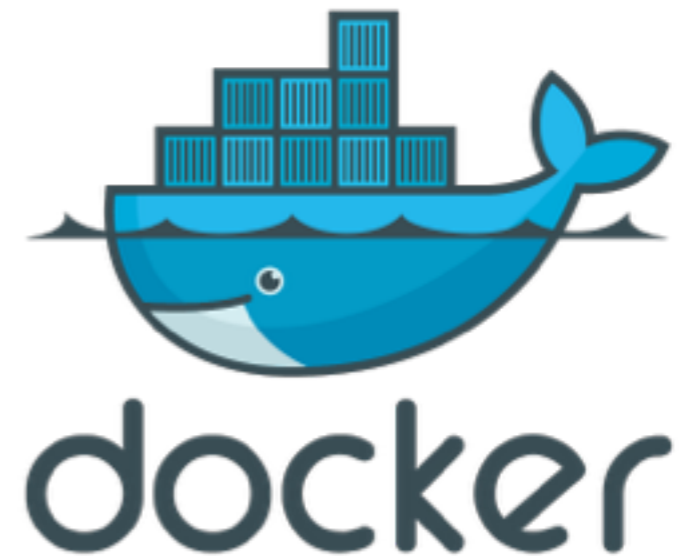
Software Engineer at Sysdig



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Containers

- Easy to bundle apps
- Easy to replicate environments
- Bridge from app developers to ops engineers



Monitoring

- CPU
- Memory
- Network
- Files

cAdvisor

Usage

Overview



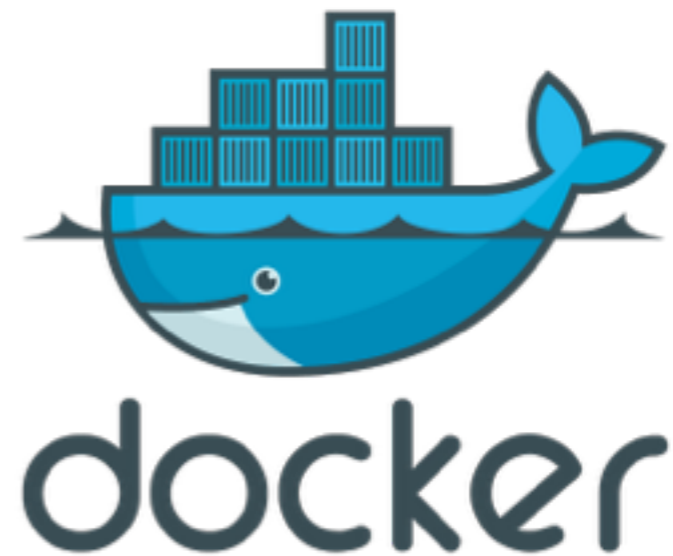
CPU

Total Usage



Troubleshooting

- top
- netstat
- tcpdump
- lsof



How they play with containers?

Troubleshooting

Demo

Seeing Inside Containers Is Not Easy!

Containers are:

Isolated

Self-Contained

Simple

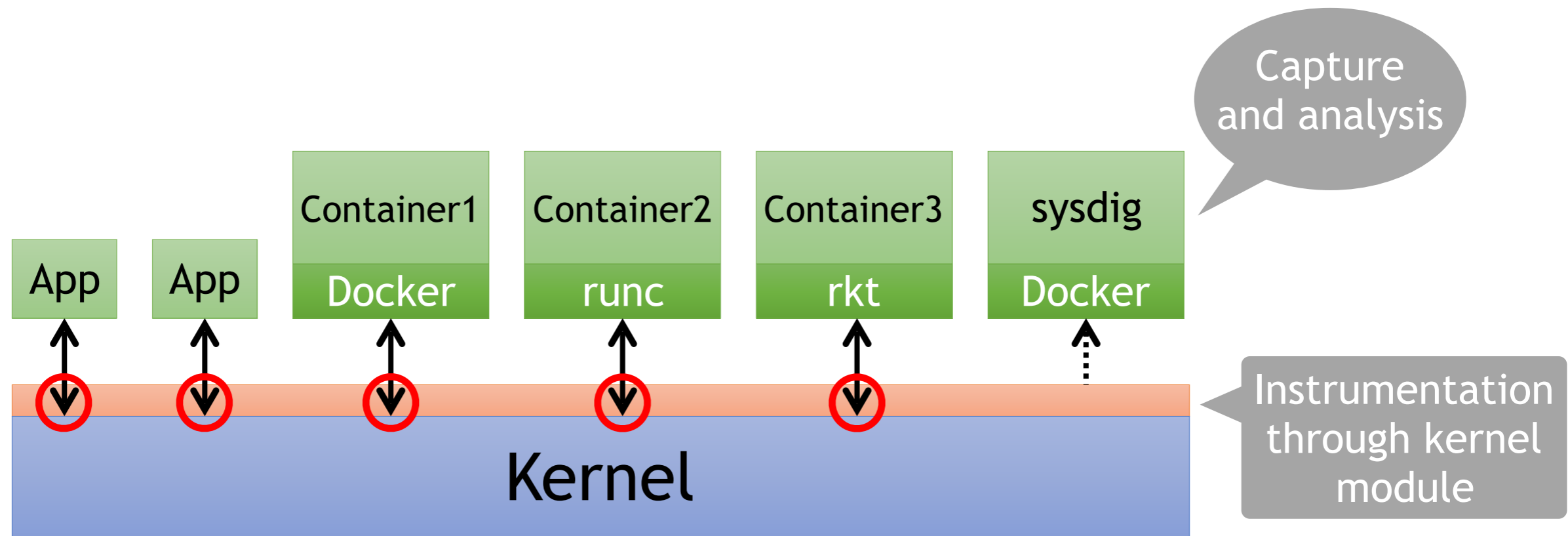
Lightweight

Can monitoring and troubleshooting
play nice with these properties?



Demo

sysdig Architecture



- Capture system events, filter them, run useful scripts
- strace + tcpdump + lsof + htop + Lua
- Open Source
- **Container native**

csysdig

- Nice curses interface for sysdig
- A full featured control panel
- Click and explore your system

csysdig

Demo

Sysdig Cloud

Demo

Wrap up

**Sysdig fills the gap
between traditional
monitoring tools and the
container ecosystem**

End

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