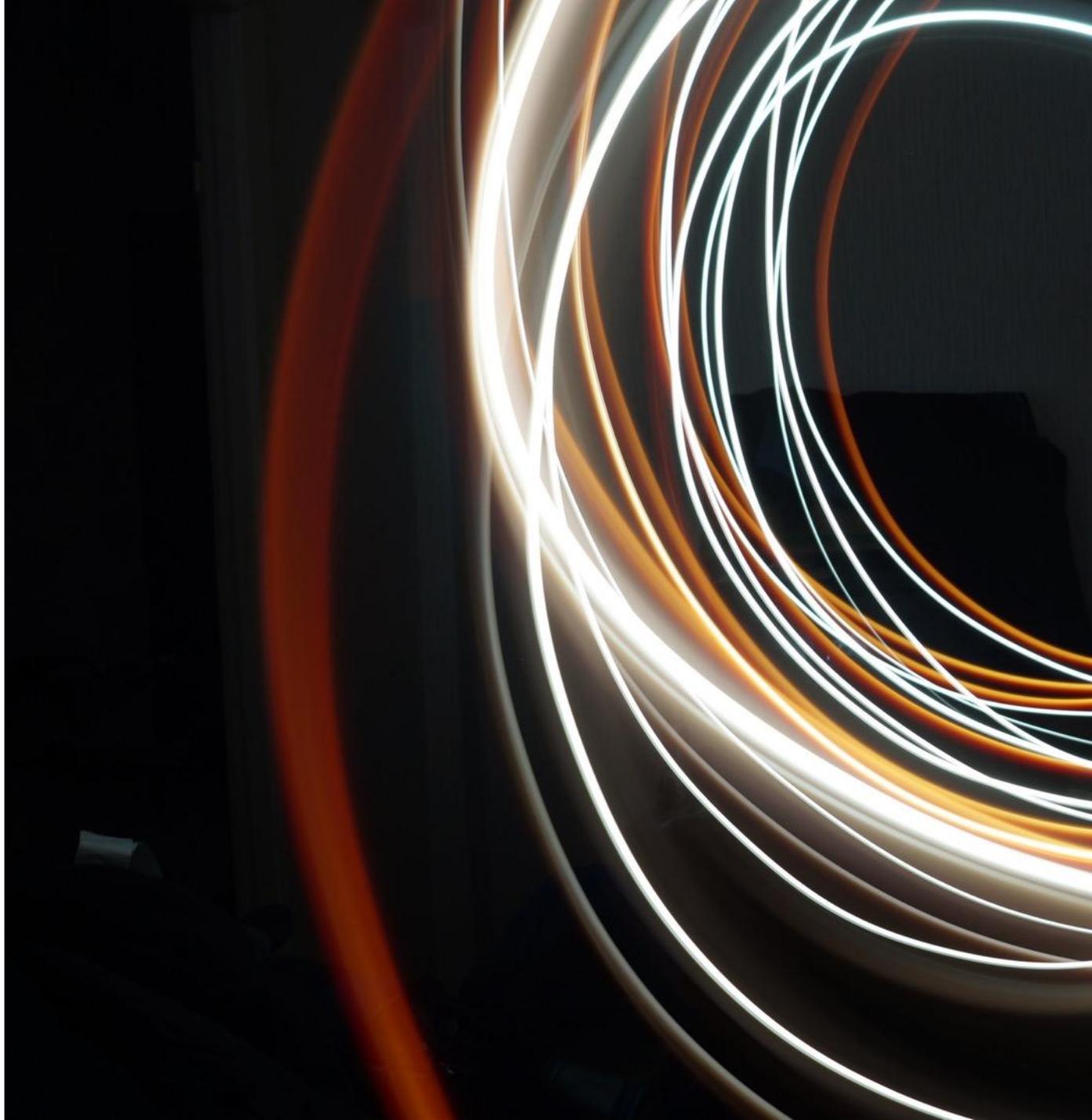


EndaceProbe as a platform for engineering teams



Introducing the EndaceProbe Analytics Platform



Record

- 100% accurate packet history

Host

- Commercial, open-source or custom analytics applications in Application Dock™

Investigate

- Analyze traffic to nanosecond level with EndaceVision™, EndacePackets™

Integrate

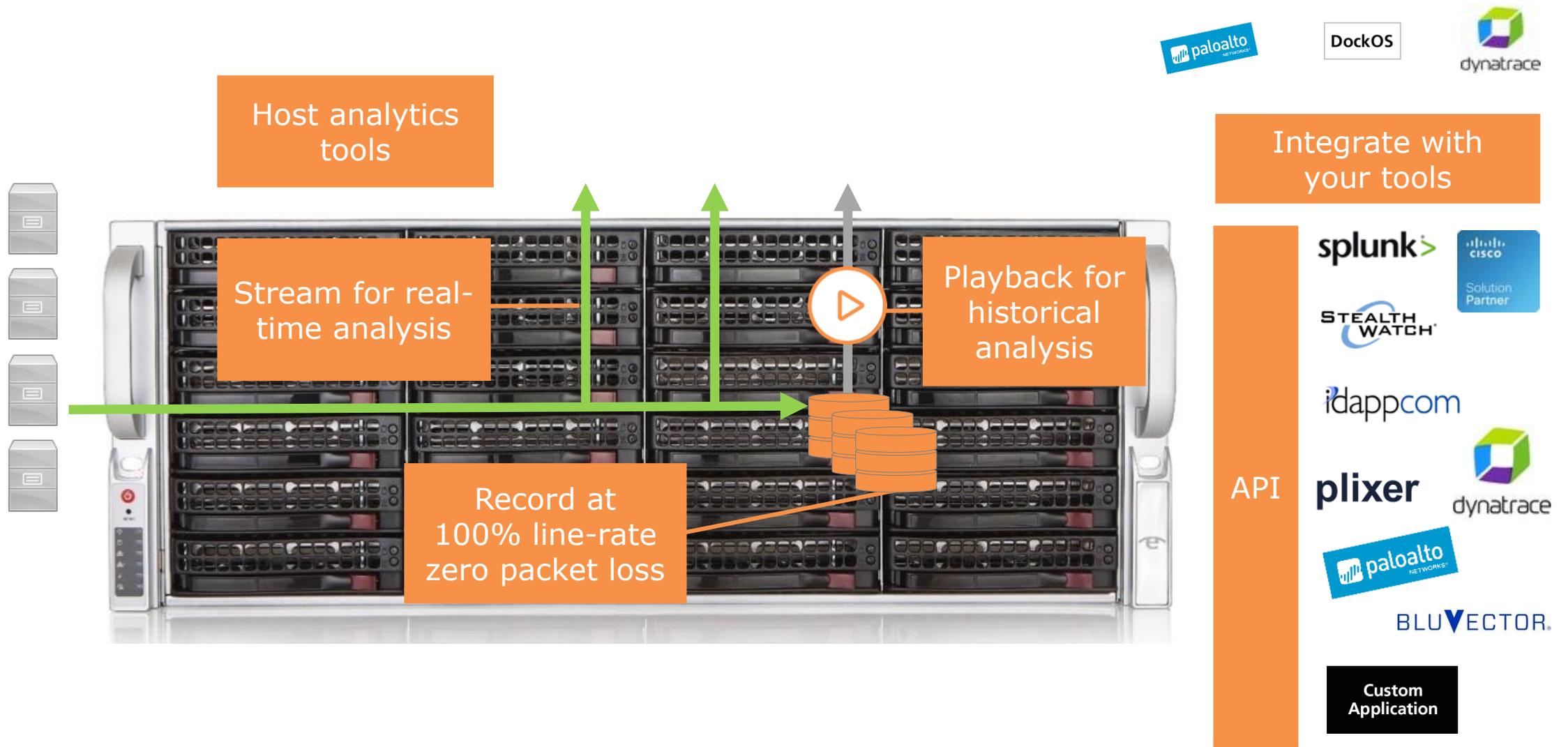
- Powerful API for data-mining, workflow

Scale

- EndaceFabric: enables centralized management, centralized search/data-mining



Hosting and Integration



Developing for Application Dock



```
emacs
File Edit Options Buffers Tools C Help
Save Undo
#include <getopt.h>
#else
#include "getopt_long.h"
#endif
/* Capsicum-specific code requires macros from <net/bpf.h>, which will fail
 * to compile if <pcap.h> has already been included; including the headers
 * in the opposite order works fine.
 */
#ifdef HAVE_CAPSICUM
#include <sys/capability.h>
#include <sys/lccom.h>
#include <net/bpf.h>
#include <libgen.h>
#endif /* HAVE_CAPSICUM */
#include <pcap.h>
#include <signal.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <limits.h>
#ifdef WIN32
#include <sys/wait.h>
#include <sys/resource.h>
#include <pwd.h>
#include <grp.h>
#endif /* WIN32 */

/* capabilities convenience library */
/* If a code depends on HAVE_LIBCAP_NG, it depends also on HAVE_CAP_NG_H.
-:--- tcpdump.c      4% L103  Git-master  (C/l Abbrev)
```

What is DockOS?

A Centos Linux-based VM Image for Application Dock

- Deploy in Application Dock on EndaceProbes

Leverage standard DAG API for app portability

High-speed I/O options

- DAG-enabled libpcap library for libpcap applications
- VDAG high-speed I/O for DAG-enabled applications

Leverage EndaceProbe APIs for workflow/automation

- Pivot-to-Vision, Pivot-to-Packets

Preinstalled open-source and Endace tools

- SNORT, Bro IDS, Suricata, Wireshark and tshark, Sysdump sanitizer, Trafstat



Why build on EndaceProbe?

Compliance

- Accurate trade data archival
- Provenance for MiFID II RTS-25

Monitoring

- Market Feeds
- Network Performance
- Application Performance

Testing

- Playback traffic to hosted or external applications
- e.g. load testing, Algo tuning, network testing

Application portability

- Develop for DAG and Application Dock with the same API

Agile Deployment

- Deploy / update custom apps without hardware changes or reconfiguration



The Fusion Program

An Ecosystem of leading analytics vendors and open-source projects

- Enables customers to choose their preferred applications
- Enables partners to reach new markets

