

A background image showing three people in a dimly lit office environment, focused on their work at computer monitors. The person in the foreground is a man with glasses, looking intently at a screen displaying data visualizations. Other people are visible behind him, also working. The scene is illuminated by the glow of the monitors and desk lamps.

Transforming Monitoring: OpsPilot & AI-Driven Observability

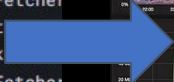
David Tattersall

CEO - Integral Information Solutions GmbH

- The Evolution of Monitoring & the Situation we have Today
- Welcome to OpsPilot - An Autonomous DevOps Engineer
- Key Capabilities and Benefits
- FusionReactor Observability Platform
- Live Demonstration
- Some Challenges & Solutions In This Space + Exciting Demo's
- Summary
- Q & A



```
14:03:41.109 [Thread-3] DEBUG o.a.k.c.c.i.Fetcher
distributed-tracing-store-1, distributed-tracing-s
14:03:41.109 [Thread-3] DEBUG o.a.k.c.c.FetchSessio
ed 0 partition(s), altered 0 partition(s), remove
14:03:41.109 [Thread-3] DEBUG o.a.k.c.c.i.Fetcher
position FetchPosition(offset=80193, offset
kafka-staging-0.kafka-staging-headless.kafka
14:03:41.109 [Thread-3] DEBUG o.a.k.c.c.i.Fetcher
position FetchPosition(offset=80192, offsetEpoch
kafka-staging-0.kafka-staging-headless.kafka.svc
14:03:41.108 [Thread-3] DEBUG o.a.k.c.c.FetchSessio
ponse partition(s), 2 implied partition(s)
```



The evolution of Application Monitoring

Traditional monitoring has gone a long way, but is still reactive and relies on you to understand what you're seeing

SITUATION

DATA OVERLOAD

Organizations grapple with vast volumes of "useless" data, inflating costs without enhancing insights

DATA COMPLEXITY

Systems are intricate and complex, with vast volumes of telemetry, logs, traces and events

EXPERT KNOWLEDGE REQUIRED

Observability demands highly skilled engineers to perform root cause analysis



An Autonomous DevOps Engineer



**Enhancing efficiency with AI-driven insights - available within
our FusionReactor Cloud Observability Platform**

CAPABILITIES

- It's a member of your team
- Analyses information in context
- Multimodal - text, voice, vision
- Anomaly Detection (RED)
- Integrated in Slack / MS Teams
- Holds relevant info (Brains)
- Able to generate incidents

COMING
SOON

BENEFITS FOR YOUR ORGANIZATION

- **Operational Efficiency**
 - Reduces time & effort for monitoring
- **Faster Problem Resolution**
 - Minimizes impact on your business
- **Improved Decision Making**
 - Data-driven recommendations

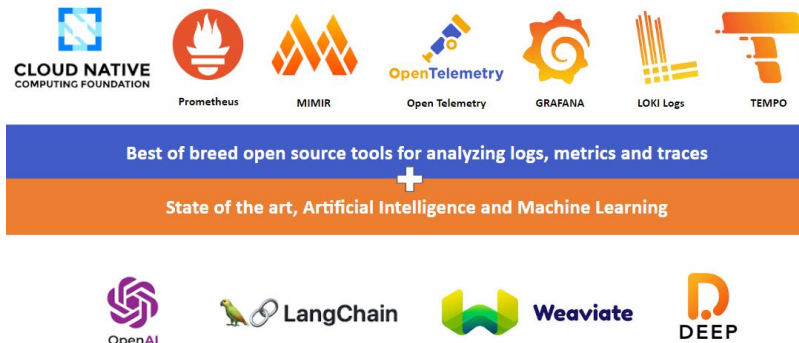
FusionReactor Observability Platform



Lots of supported tech + integrations



**Fully managed, observability platform
built on open source**



Powered by artificial intelligence



Demo - let's see FusionReactor Cloud & OpsPilot in action....

Some Challenges & Solutions In This Space

1. Anomaly Detection:

- **Challenge:** Detecting anomalies in a dynamic environment is challenging due to constant changes
- **Solution:** Train AI models on diverse datasets to recognize patterns and predict anomalies accurately

2. Lack of context in what's of interest to you:

- **Challenge:** No LLM is trained on your internal documentation or systems - they are stuck in the past
- **Solution:** Using RAG, in combination with a vector database gives your LLM current "context"

3. Data Quality, Quantity and Real-Time Processing:

- **Challenge:** AI systems require vast amounts of high-quality real-time data to function effectively.
- **Solution:** Choosing the right data and using smaller, faster (yet capable) models e.g. GTPo mini

4. Integration with Existing Tools:

- **Challenge:** Seamless integration with existing DevOps tools and workflows is critical for adoption
- **Solution:** Design flexible APIs and integration points that allow easy connectivity with mainstream tools

5. User Trust and Explainability:

- **Challenge:** Users need trust in AI insights and understand the AI arrives at its conclusions.
- **Solution:** Develop transparent AI models with explainable insights and justifications

6. Privacy and Security:

- **Challenge:** Handling sensitive data while ensuring privacy and security is paramount.
- **Solution:** Employ strong encryption, data anonymization, and strict access controls

Anomaly Detection Example



Cloud Billing & Licensing



Monthly ☒ Annually (Save 20%)

Preview Currency
EUR (€) ▼

○

Starter

Affordable observability. Monitor applications, infrastructure, cloud environments, logs, and languages supported by the OpenTelemetry standard.

Starts at

€47 /mo

10000 Metrics
25 GB Logs
25 GB Traces
10 OpsPilot AI Tokens

⦿

Pro AI

Need more OpsPilot tokens? Have a lot of data to handle? Get more from your plan with increased allowance, OpsPilot AI On-demand, and customizable dashboards.

Starts at

€239 /mo

20000 Metrics
50 GB Logs
50 GB Traces
400 OpsPilot AI Tokens

○

Advanced AI

Unlock the full potential of your DevOps Co-Pilot with Advanced OpsPilot AI.

Starts at

€863 /mo

50000 Metrics
100 GB Logs
100 GB Traces
1000 OpsPilot AI Tokens

Plan summary

Pro AI (12 months)	€239.00
FR Agent Reservations x 10	€750.00
Estimated price	€989.00

▼ Allowances

Metrics	70000
Logs	70 GB
Traces	70 GB
OpsPilot AI Tokens	400

Usage outside the allowances shown above will be charged at these on-demand rates.

▼ On-demand Rates

€0.50	per GB of Logs
€0.50	per GB of Traces
€9.50	per 1000 Metrics
€0.13	per Hour of FusionReactor
€19.00	per 40 OpsPilot AI Tokens

*OpsPilot On-demand is unavailable to the

Need FusionReactor Agents?

With low-level profiling, debugging capabilities, and automatic error detection for Java or ColdFusion Applications.

Select how many FusionReactor Agents you'd like to add to your plan.

0

100

10

Each agents adds the following to your plan:

- 750 hours of FusionReactor Agent
- 5000 Metrics
- 2 GB Logs
- 2 GB Traces

€750 /mo

FAQ

Cloud Pricing Model



- **Starter Plan - €47 month**

- Provides a base set of metrics, logs and trace capacity, so that you are able to get the most out FR
- 10,000 Metrics (13 m) | 25 GB Logs (1 m) | 25 GB Traces (1 m) | 500 Tokens (1 m)

- **Pro AI Plan - €239 month**

- 20,000 Metrics (13 m) | 100 GB Logs (1 m) | 100 GB Traces (1 m) | 5,000 Tokens (1 m)

- **Advanced AI Plan - €863 month**

- 50,000 Metrics (13 m) | 250 GB Log (1 m) | 250 GB Traces (1 m)
- 20,000 OpsPilot Tokens month

- **FusionReactor Agent - €75 month / seat**

- 1 unique host = 1 seat
- 4 x Docker pods = 1 seat
- Each FR seat adds - 5,000 Metrics | 2 GB Logs | 2 GB Traces

NOTE : All prices displayed are for annual commitments



Summary - the future will be AI driven observability



Enhances Human Capabilities: OpsPilot amplifies human abilities with AI-driven insights

Real-World Impact: It's available now and already helps organizations improve efficiency

Positive Feedback and Continuous Improvement: Initial feedback good - it's a journey though

FusionReactor APM (On-Premise)



- **Complete Java Application Monitoring Solution**
- **Combines APM + Fault Detection / Diagnosis** – metrics, traces, database transactions, **debugging**, **automatic errors tracing** (code + stack + context), **real-time profiling**, code, memory profiling + more
- **Regular Price - € 216.00 / year**



Complimentary FR Developer License for JFS 2024
Attendees who register using the link in the QR Code





THANK YOU - ANY QUESTIONS ?

Start a Free Trial : <https://www.fusion-reactor.com/select-free-trial-plan>

YouTube Channel : <https://www.youtube.com/user/FusionReactorMonitor>

Customer Reviews : <https://www.g2.com/products/fusionreactor-apm>

Email us at : sales@fusion-reactor.com

