



Immersive APM

Next Generation Application Performance Management - 1/2025
Value

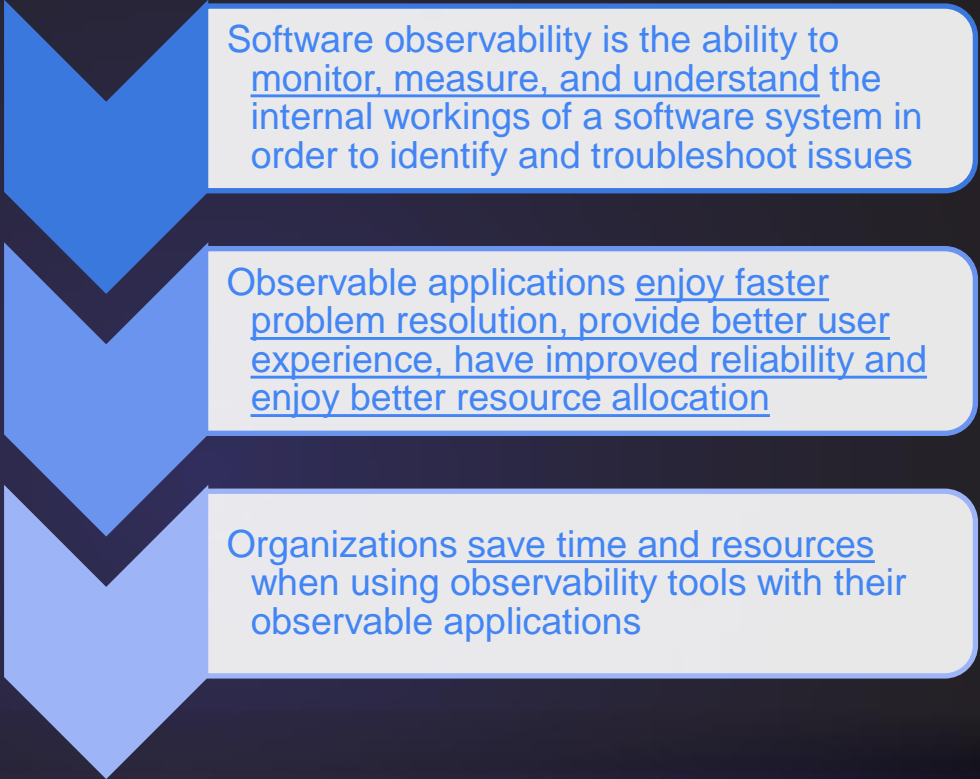
Rev. 5



Before we begin..

"The more complex the system, the greater the chance for error."

- Murphy's Law



Software observability is the ability to monitor, measure, and understand the internal workings of a software system in order to identify and troubleshoot issues

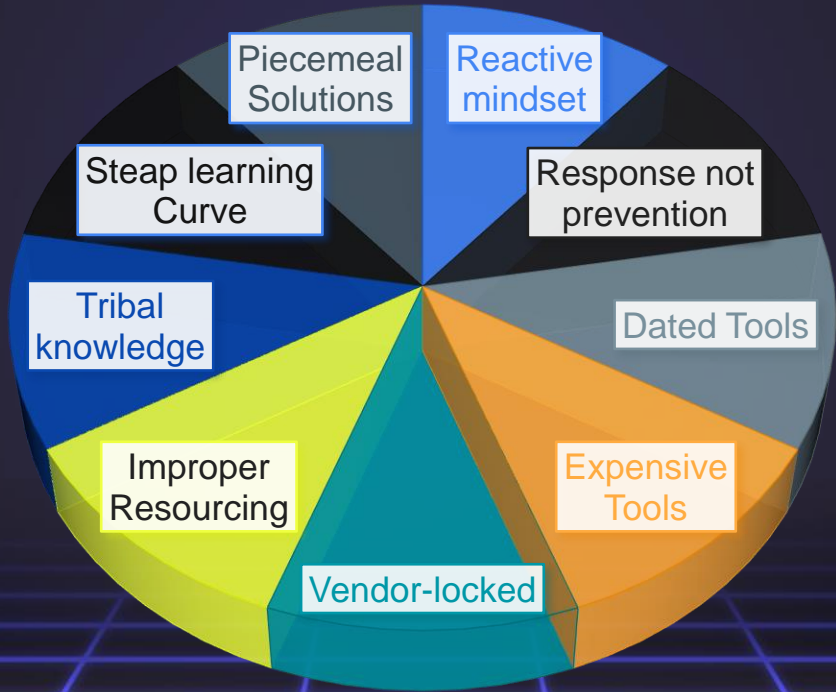
Observable applications enjoy faster problem resolution, provide better user experience, have improved reliability and enjoy better resource allocation

Organizations save time and resources when using observability tools with their observable applications



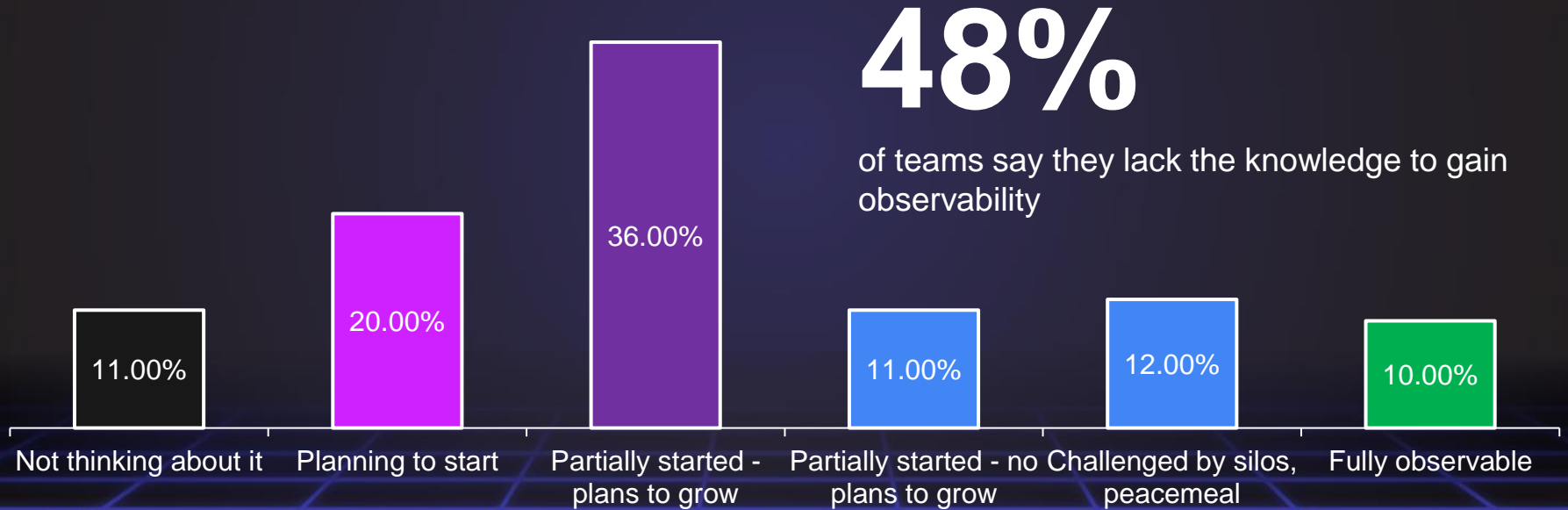
Let's go!

It's 2025, and observability still suffers from a ton of **WASTE**





Where are we in our observability doing today?





Scenarios

- A developer on a team who is constantly stuck with diagnosing problems
- A support engineer needs to find what's wrong with a system
- An engineer needs to determine if the issue is transient error or a bug
- A service interruption: is it the server or the infrastructure?
- A non-database administrator is trying to prioritize a database problem
- A recent Tier-1 support hire who is confronted with an outage

Case Study: Lack of prevention or slow remediation

- Online store is selling orders for \$100
- An outage occurs and shopping cart service fails for 1 hours
- 100 orders fail and customers do not retry

Gross Losses: $100 \times \$100 = \$10,000$

Possible loss reduction options:

- A proactive observability tool that helps teams stop that service failures are prevented.
- A reactive observability tool that helps teams recover from service failures are prevented.



Case Study: Lack of tooling

- Development/operations team has an inadequate or no observability tool
- Senior developer who knows the software is responsible for troubleshooting
- The developer spends an average of 5 hours a week troubleshooting instead of developing
- Hourly rate for the developer is \$100/hour

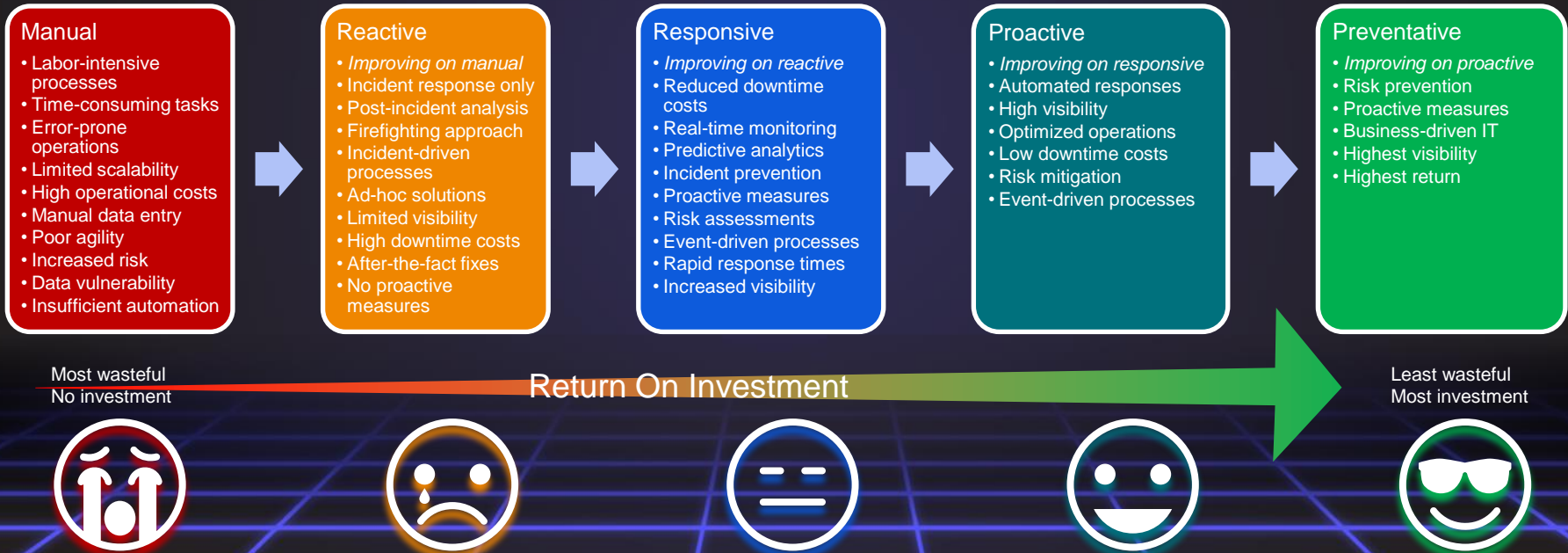
Losses: $4 \times 5 \times \$100 = \$2000/\text{month}$

Possible loss reduction options:

- An observability tool does not rely on tribal knowledge.
- An observability tool that is easy to learn as use to entry level developers.

Operational Maturity

Operational maturity for a software application refers to the ability of the software to function effectively and reliably in a live production environment.





Improving Operational Maturity

Improving operational maturity is not just about adopting new technologies or processes, it's about creating a culture of continuous improvement and making it a part of the fabric of your organization.





Maturing through Observability

Observable applications are software applications that are designed to provide real-time visibility into the performance and behavior of the application itself, as well as the underlying infrastructure and systems that support it. These applications are built with monitoring and observability in mind and typically rely on a range of tools and technologies to collect, analyze, and visualize data.

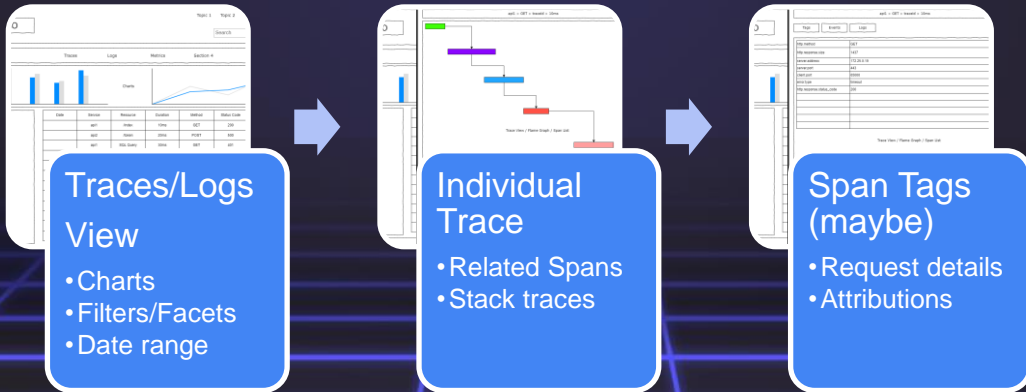
Benefits:

- Rapid Root Cause Analysis
- Rapid On-boarding
- Incident prevention
- Faster incident response
- Improved visibility
- Better troubleshooting
- Improved performance optimization



Conventional APM Experience

- Not Real-Time
- Accessed via a web browser
- Dashboard and charts
- Users drill down into specific data
- May include alerting and reporting
- Onboarding and training times vary



Immersive APM Experience

- Real-time
- Advanced and ambient data visualization
- Enables deep understanding of architecture and performance
- Rapid diagnosis and understanding to optimize for better user experiences
- Interactive and visual approach
- Familiar troubleshooting and ambient techniques
- Reduced onboarding and training times



youtube.com/watch?v=Hc9xWW4TH3I

Talk: Tier-1 Support Enablement
 IF @ US Defense Information Systems Agency (DISA) - disa.mil
 Technical Exchange Meeting (TEM) - 4/24/2024

- Scenarios & Context
- Application complexity over time
- Issues in running software applications
- Observability
- Gaps in observability
- Addressing the critical issues effectively
- Demonstration
- Observability in action
- Driving innovation

Testimonial: Carl Heller
 Immersive Fusion Champion / Customer

Visit immersivefusion.com for details

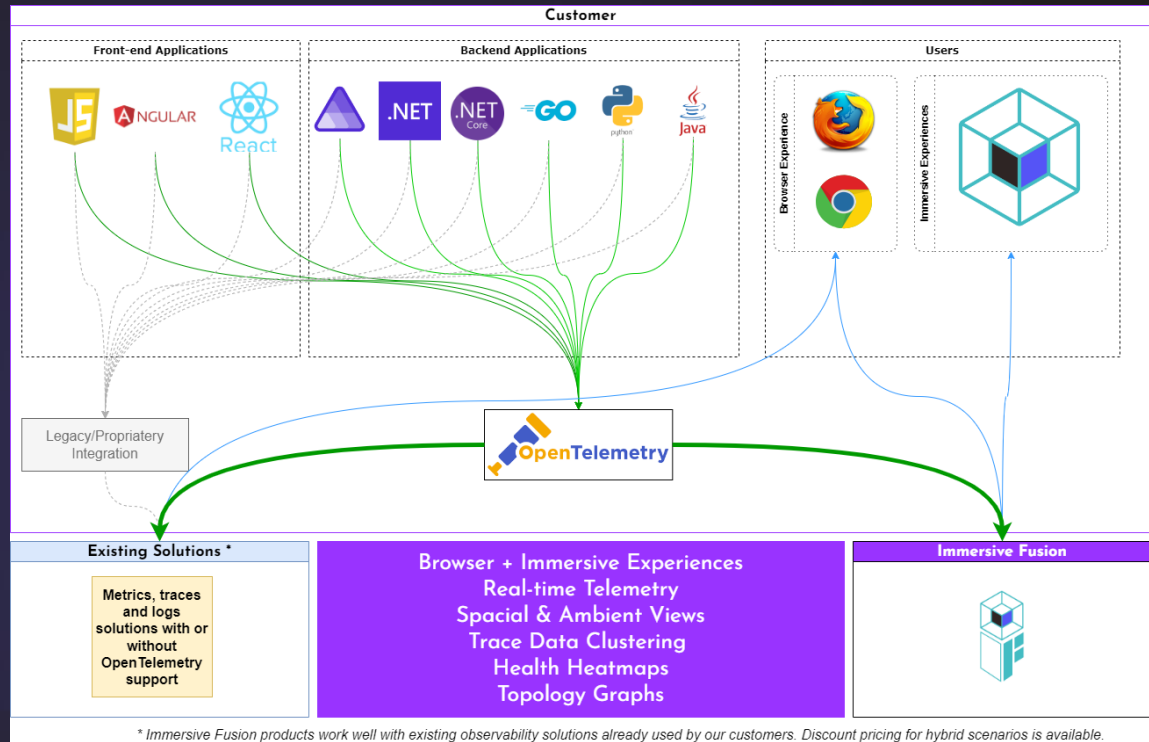
TAP FOR SOUND



youtube.com/watch?v=ZRhTvz5XxFU

Vendor unlocking

- Cloud Native
- Open Standard Compliant
- Try-and-Buy friendly
- Rapid integration
- Limited effort from customers



60%





of respondents said they are using or planning to use OpenTelemetry to instrument their applications. [This is an] increase from the previous year's survey, where only 28% of respondents said they were using or planning to use OpenTelemetry.



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 FREE forever trial try for free	 \$20.00 per node per month 1 node minimum	 \$45.00 per node per month 25 node minimum	 \$60.00 per node per month 50 node minimum
START Experience application immersion with zero risk, allowing you to gain valuable insights into your application's behavior.	VISUALIZE Enhance your application immersion capabilities with expanded availability and comprehensive support.	ANALYZE Improve your application visualization capabilities by incorporating historical data retention and dedicated resources.	FUSE Elevate your application monitoring and management with the stability, scalability, and expertise of an enterprise-level solution.
Shared No Uptime SLA	Shared 99% Uptime SLA	Dedicated 99.9% Uptime SLA	Dedicated 99.99% Uptime SLA
Immersion 3D/VR	Immersion 3D/VR	Immersion 3D/VR	Immersion 3D/VR
5 (traces + logs) / second	10 (traces + logs) / second	50 (traces + logs) / second	100 (traces + logs) / second
No Data Retention	No Data Retention	15+ Day Data Retention	30+ Day Data Retention
Discord / Community Support	Chat / Email Support	Chat / Email / Phone Support Dedicated Success Representative Professional Consulting Services	Chat / Email / Phone Support Dedicated Success Representative Professional Consulting Services Early Access to New Functionality Hall of Supporters Feature
Sign Up	Sign Up	Coming Soon	Coming Soon

Start & Visualize with Immersive APM (Hybrid)



Enrich the experience and increase team productivity without removing existing APM. Side-by-side implementation.

Win-win:

- Painless, 5 step integration
- Existing institutional knowledge preserved
- Small blast radius
- Complementary addition to limit disruption
- Single Single-On (recommended and free of charge)
- Improved Root Cause Analysis
- Reduced on-boarding and training for new hires

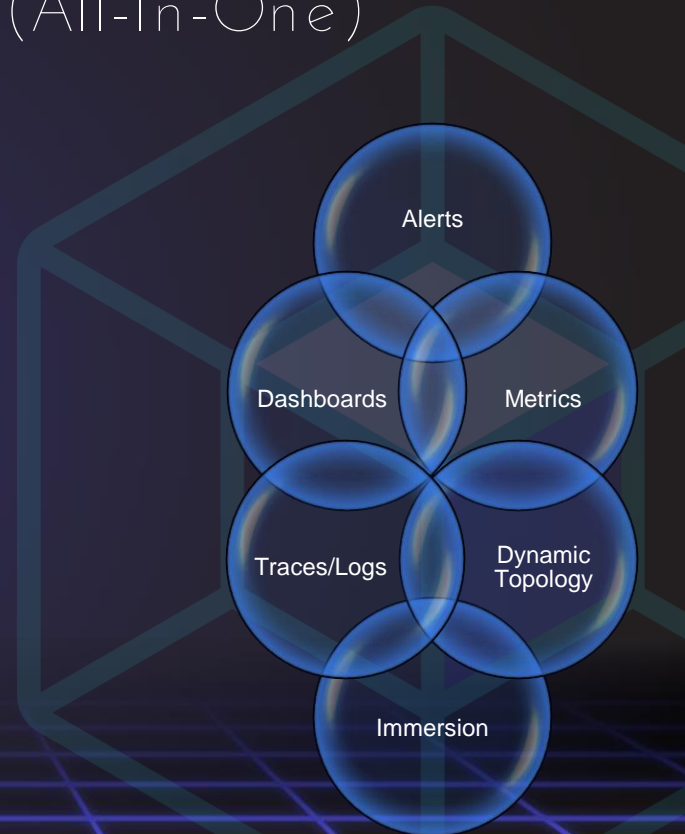
immersivefusion.com/pricing

Analyze & Fuse with Immersive APM (All-In-One)

Single solution for all diagnostic needs. Single pane of glass.

Win-win:

- Painless, 5 step integration
- Small blast radius
- Single solution
- Single Single-On (recommended and free of charge)
- Root Cause Analysis
- Reduced on-boarding and training for new hires



immersivefusion.com/pricing

OpenTelemetry
Integration Required

Q & A



Thank You

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