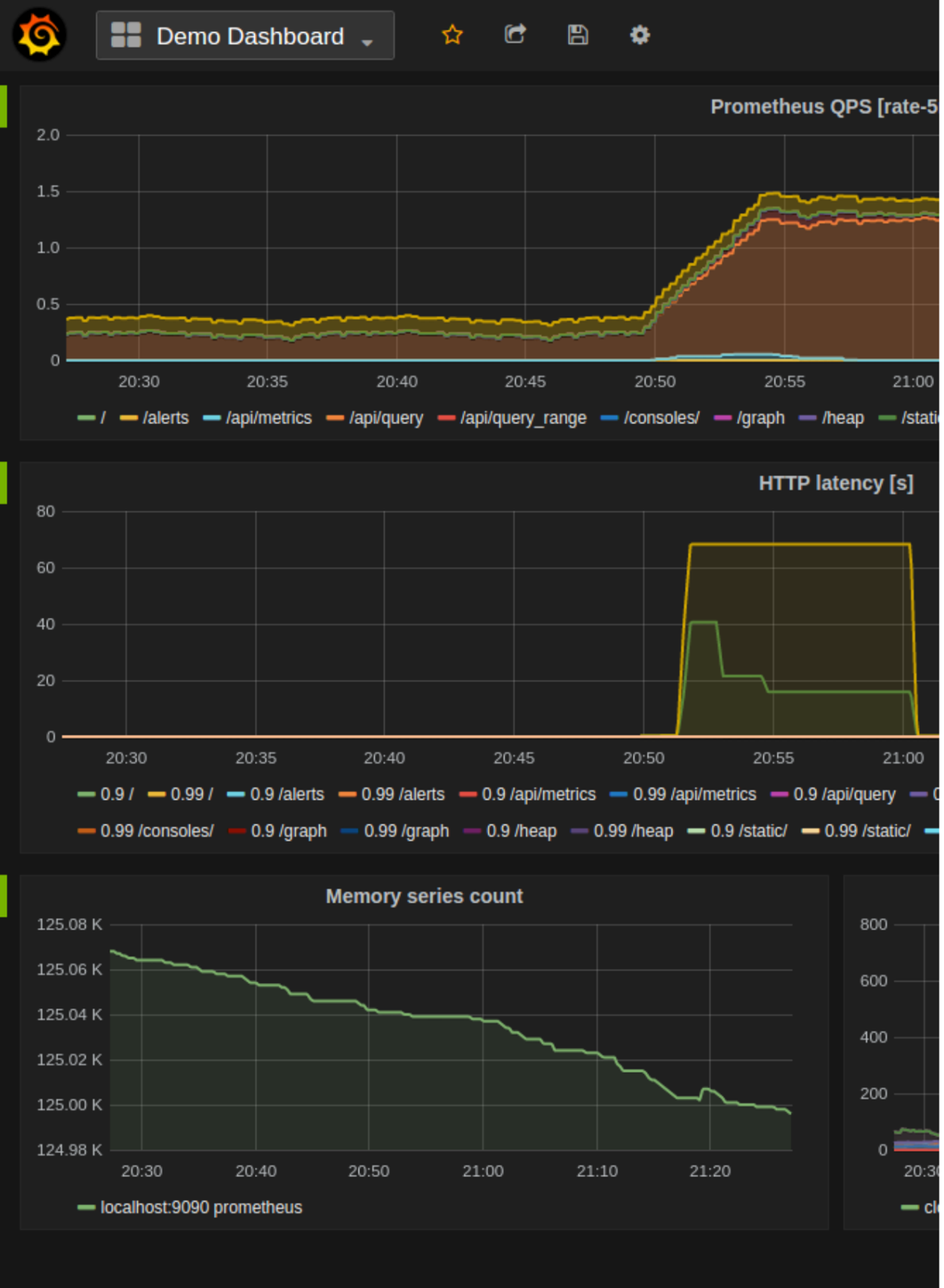


Driving Success with DevOps Monitoring

How Monitoring Empowers Teams and Delivers Business Value

Presented by Illia Striltsiv

What is DevOps Monitoring?

Definition

Continuous observation of system performance, availability, and functionality.

- System health: CPU, memory, disk
- Application: response times & error rates
- User experience: uptime and latency
- Logs and events for diagnosis

Quote

> "If you can’t measure it, you can’t improve it." – Peter Drucker

Why Monitoring Matters

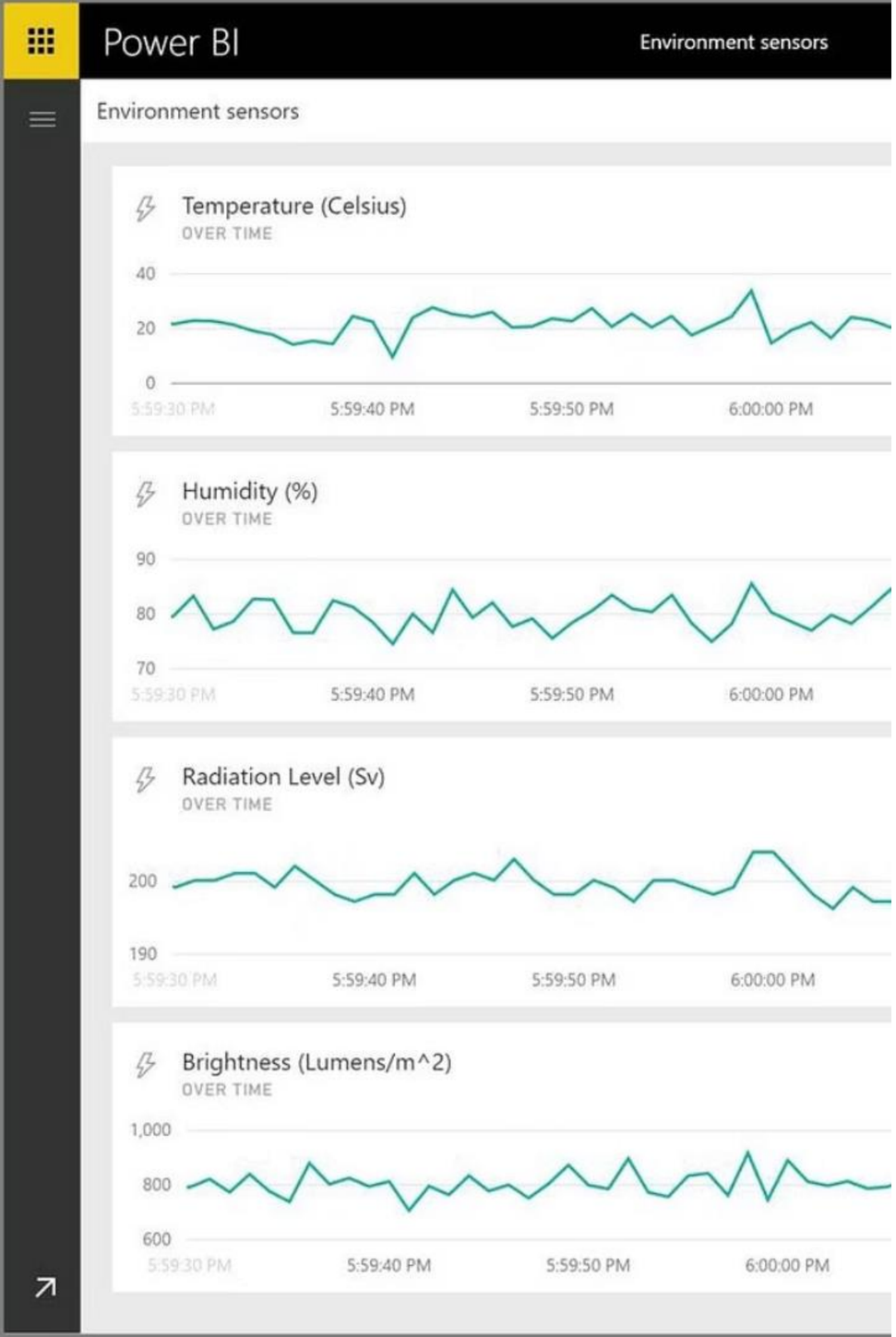
Technical Benefits

- Fast incident detection
- Root cause analysis
- Performance optimization
- CI/CD pipeline visibility

Business Benefits

- Higher service availability
- Better customer satisfaction
- Reduced downtime costs
- Improved stakeholder confidence

Example: Early alerts on memory leaks prevent outages and customer churn.



How It Works: Monitoring Setup

1 Instrumentation

Install agents or use tools like Prometheus, AWS CloudWatch.

2 Metrics Collection

Gather data from servers, apps, and services continuously.

3 Dashboards & Alerts

Visualize data using Grafana, Datadog, New Relic, with alerts.

4 Incident Response

Integrate alerts with Slack, PagerDuty for quick actions.

Business Impact: E-commerce Case

Challenge

Outages during Black Friday from traffic spikes caused revenue loss.

Before Monitoring

Delayed reactions to issues, leading to firefighting and costly downtimes.

After Monitoring

- Real-time latency and load alerts
- Auto-scaling triggered by traffic
- 99.98% uptime during key sales
- $250K revenue increase

Shifted from reactive to proactive performance management.

ROI of Monitoring

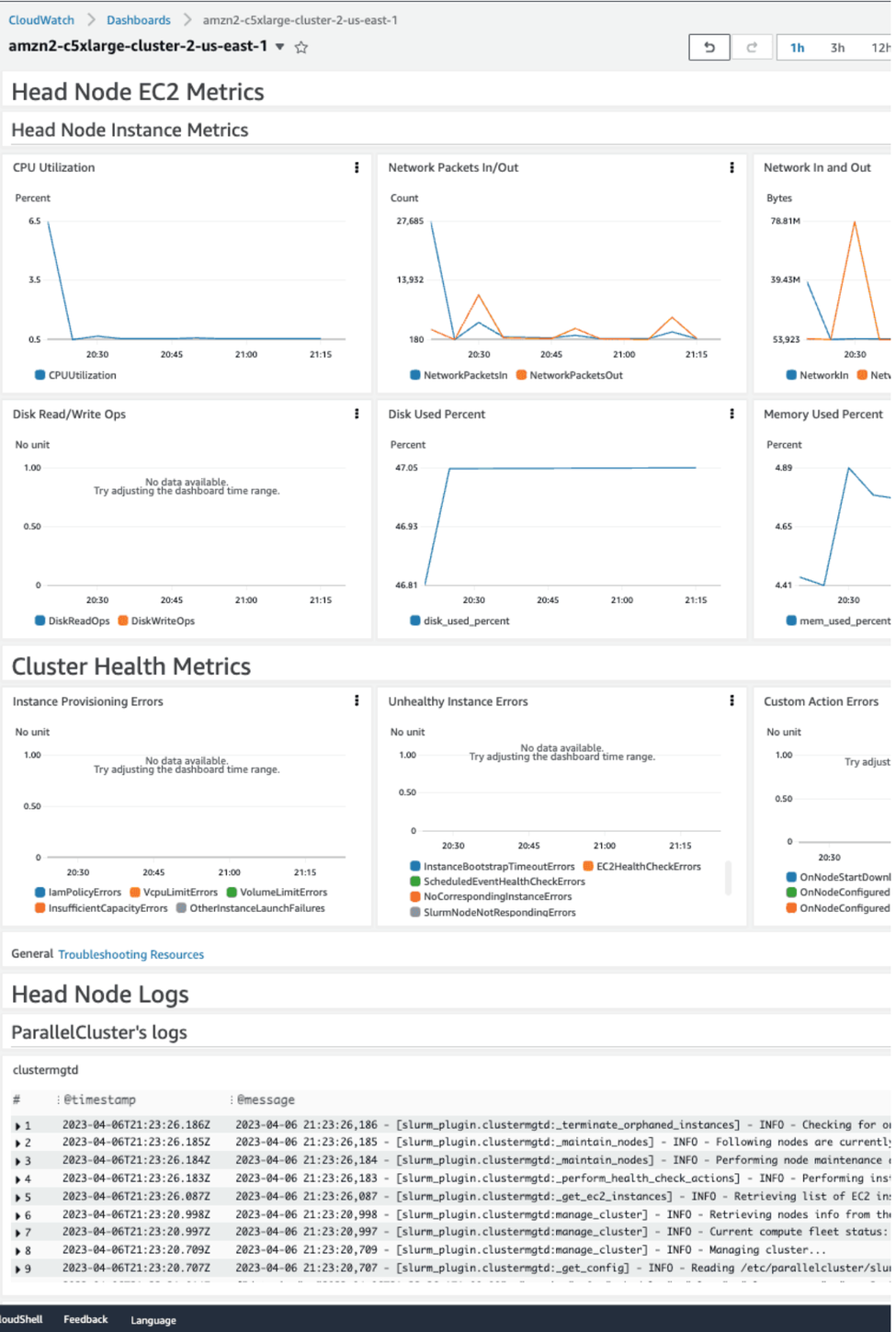
Tangible Returns

- Fewer outages, less revenue loss
- Faster incident responses
- Smarter business decisions with metrics

Intangible Gains

- Team peace of mind
- Stronger brand reliability
- Higher customer trust

“Monitoring isn’t a cost — it’s an investment in stability and growth.”



Key Takeaways

Technical Stability

Monitoring ensures reliable system health and performance.

Business Continuity

Proactive monitoring minimizes downtime and drives growth.

Aligned Goals

IT visibility supports business objectives and stakeholder trust.

Closing Thought: DevOps without monitoring is like driving with your eyes closed.