

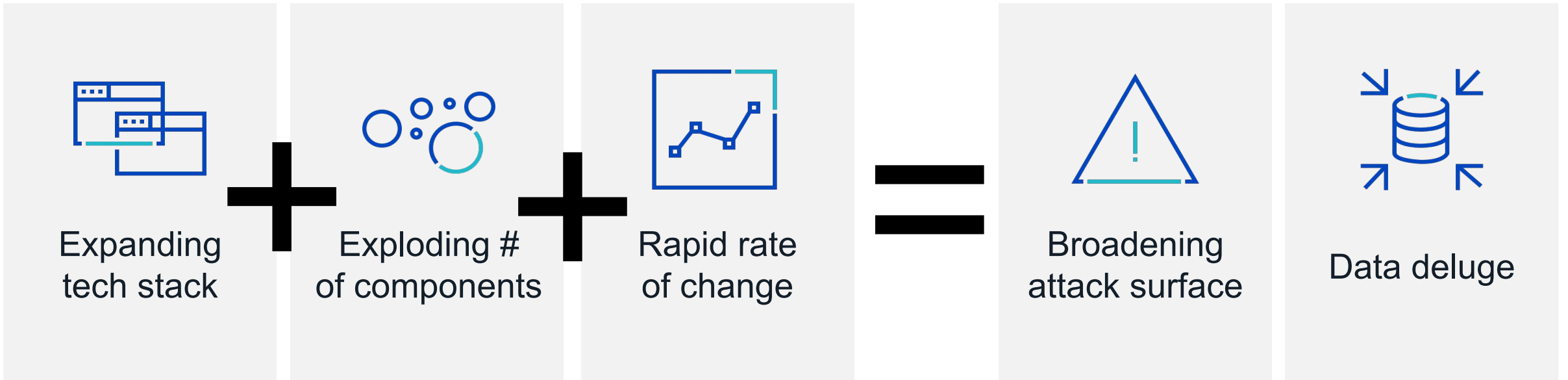


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# Going beyond the three pillars

Abelardo Gonzalez, Director of Product Marketing, Sumo Logic

# Technology complexity is growing



**Legacy tools can't keep up**

“We think the definition of observability should be expanded in a couple of ways. Certainly, that’s the data you need—logs, metrics and traces. But all of this needs to be placed and correlated into a topology so that we see the relationships between everything, because that’s how you know if it can impact something else.”

- Charlie Rich, Gartner

# A practical definition of Observability

An **observable system** is one that can both be:

- 1) **monitored** for known issues and performance standards (SLIs/KPIs), and
- 2) **debugged** (troubleshooting)

in order to **resolve issues quickly enough** to continue to meet availability and performance requirements

# How is Observability different from monitoring

- **Monitoring** by itself only tells you that **something is broken**.
  - ◆ It is predicated on **knowing what to look for** beforehand
- **Observability** is about finding out “**why**”.
  - ◆ **Monolithic** applications often fail in **predictable** ways
  - ◆ **Modern** applications are **too complicated** to know all of the ways your application can fail
  - ◆ **Observability** allows you to ask the **right questions**
- So, **Monitoring** is a **subset** of **Observability**



**Honest Status Page**

@honest\_update

Follow



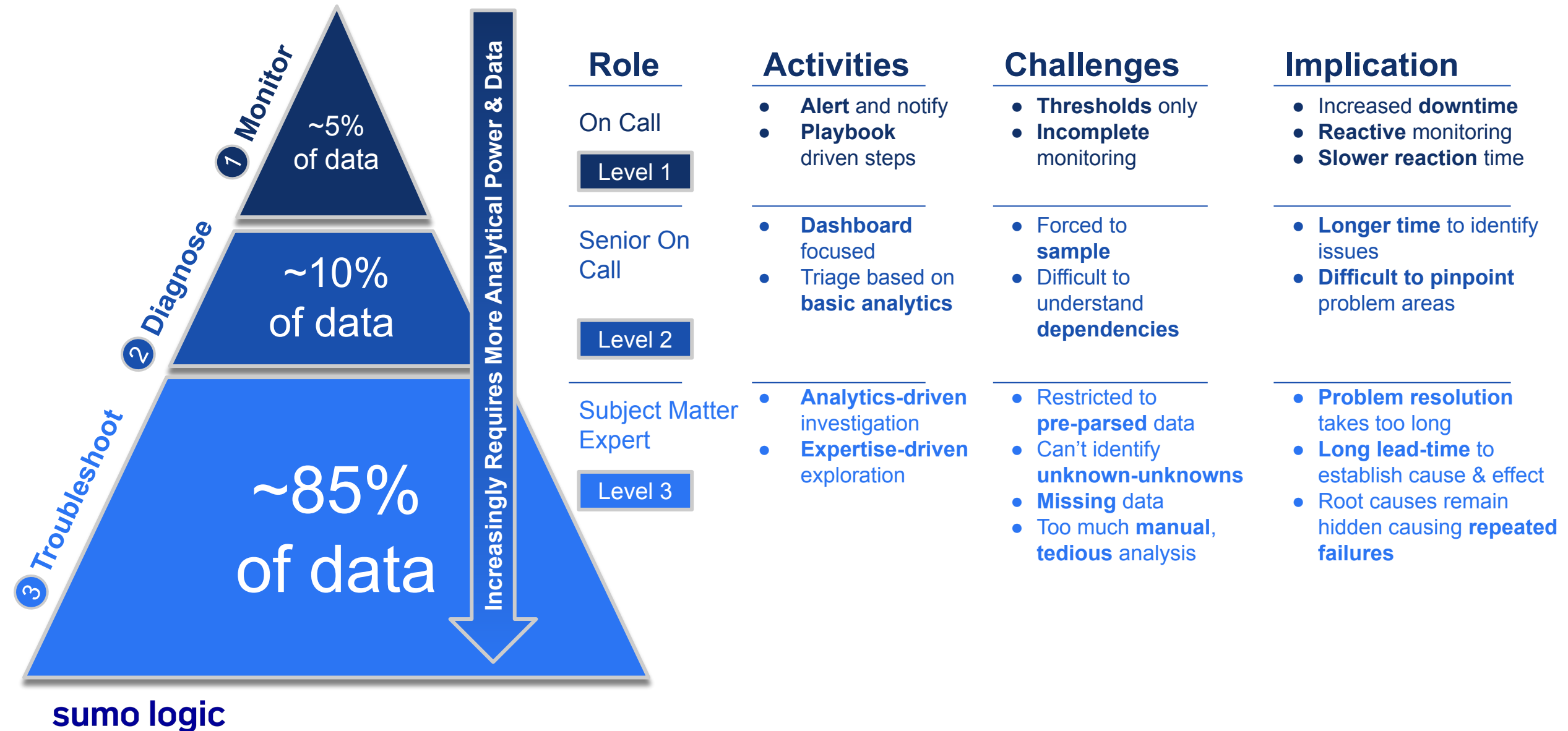
We replaced our monolith with micro services so that every outage could be more like a murder mystery.

4:10 PM - 7 Oct 2015

# For those who don't remember the movie Clue

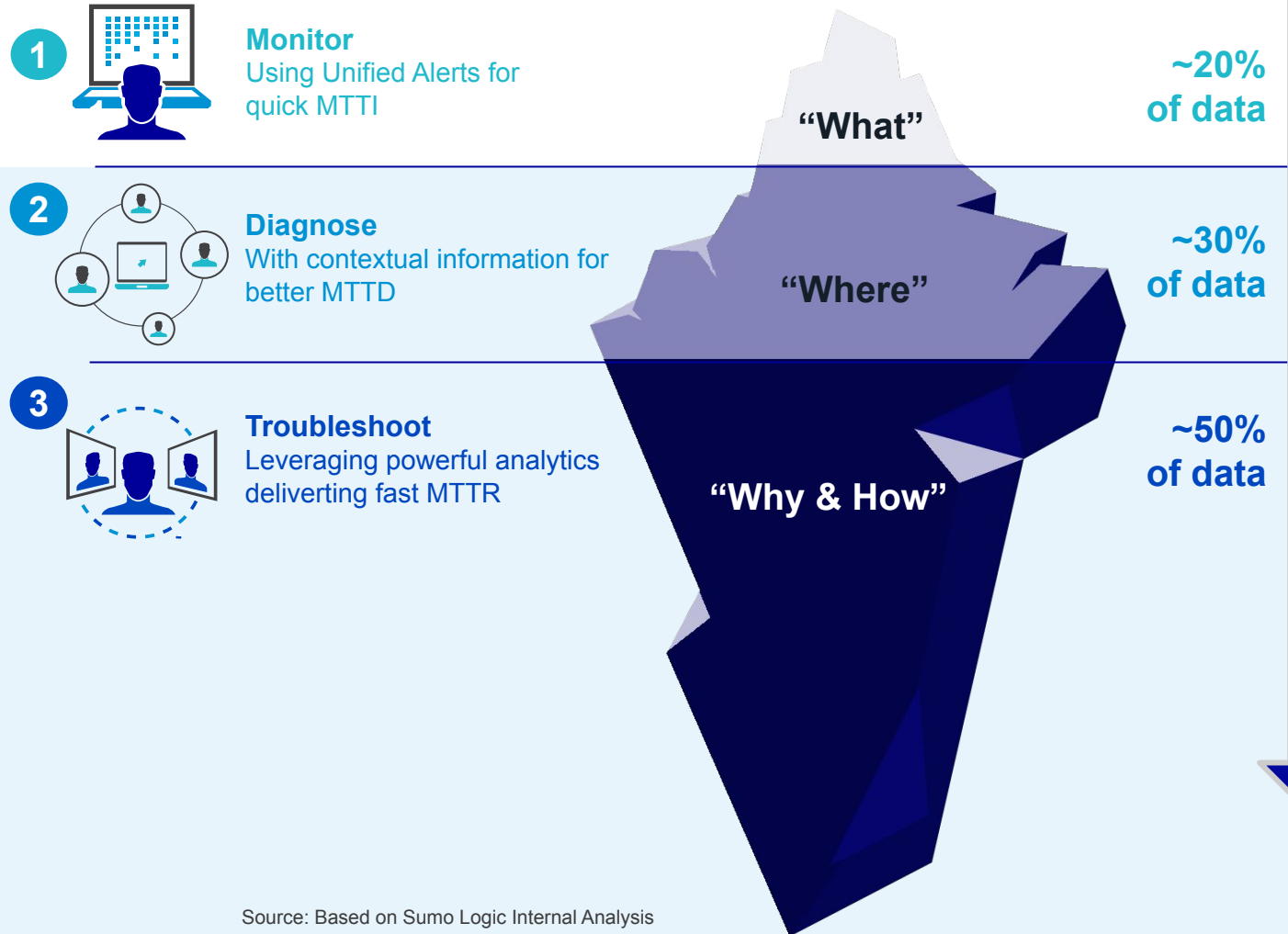


# Why Observability is so hard





“Observability” requires rich data and richer analytics to get from alert to resolution.



How do we  
go about  
achieving this?

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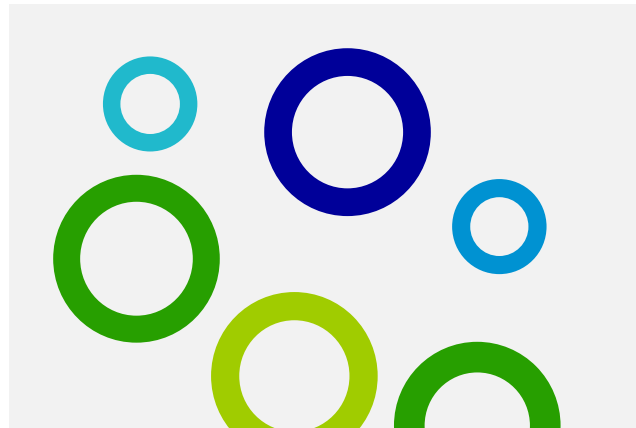


# How are you managing that complexity?

On-premises or cloud-based solutions?

**Operations**  
Sources and Tools

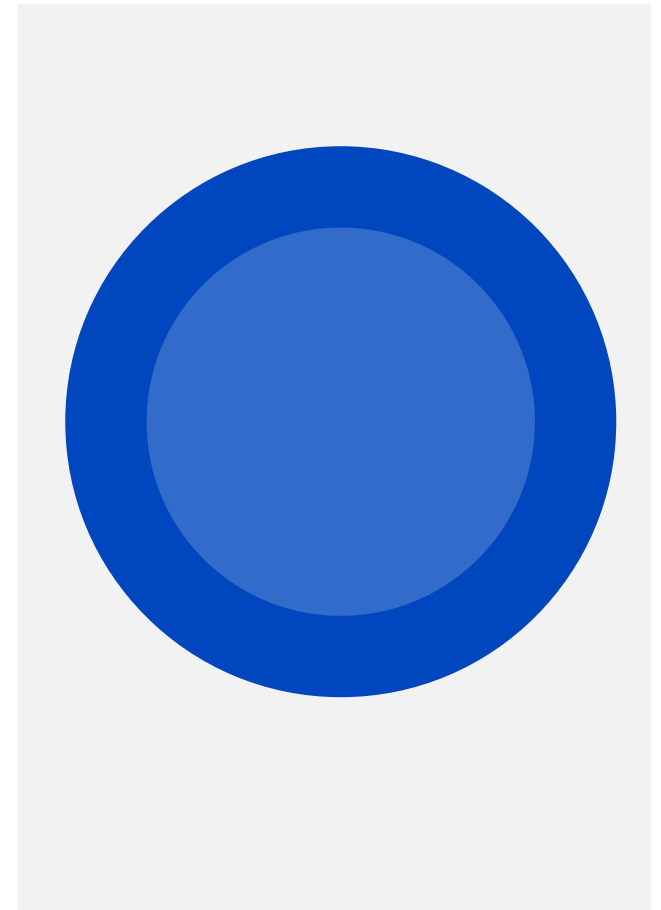
Silo'd



Unified  
(per domain)



Unified



**Security**  
Sources and Tools



# Simple Steps to Achieving Observability

1. Determine your Objectives
2. Evaluate existing telemetry
3. Add new telemetry
4. Deploy
5. Repeat

# ***Objectives-Driven*** Observability

- **Step 1:** What are your goals/objectives?
  - Service Level Objectives (SLOs) or Key Performance Objectives (KPOs)
- **Step 2:** How do you measure those goals?
  - Service Level Indicators (SLIs) or Key Performance Indicators (KPIs)
- **Step 3:** Can you measure your SLIs with your current data?
- **Step 4:** (If No) Add more data - Logs, Metrics, Traces/APM

# Three key takeaways

Observability is meant to address the new realities of keeping modern applications reliable

1

Monitoring is a subset of  
Observability

2

Domain agnostic analytics  
is essential to  
Troubleshooting

3

Start with your objectives  
and work from there

# Thank you

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people who power  
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