



The bridge to possible

The journey to unified observability

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The bridge to possible

Artificial Intelligence and Machine Learning

What does it mean for Observability?

William Cappelli
Observability Strategist, Splunk

Artificial Intelligence and Machine Learning: What does it mean for Observability?

Making Observability Intelligent





William Cappelli

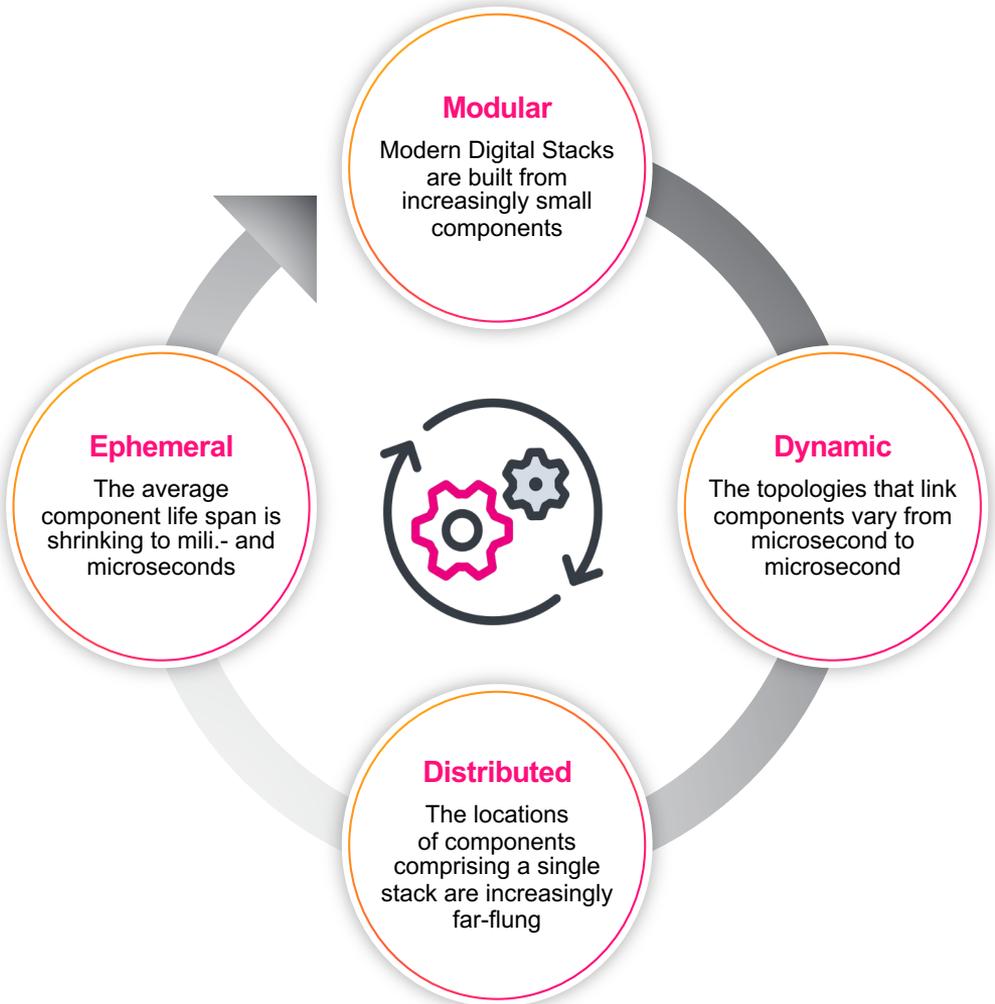
Observability Strategist

splunk>

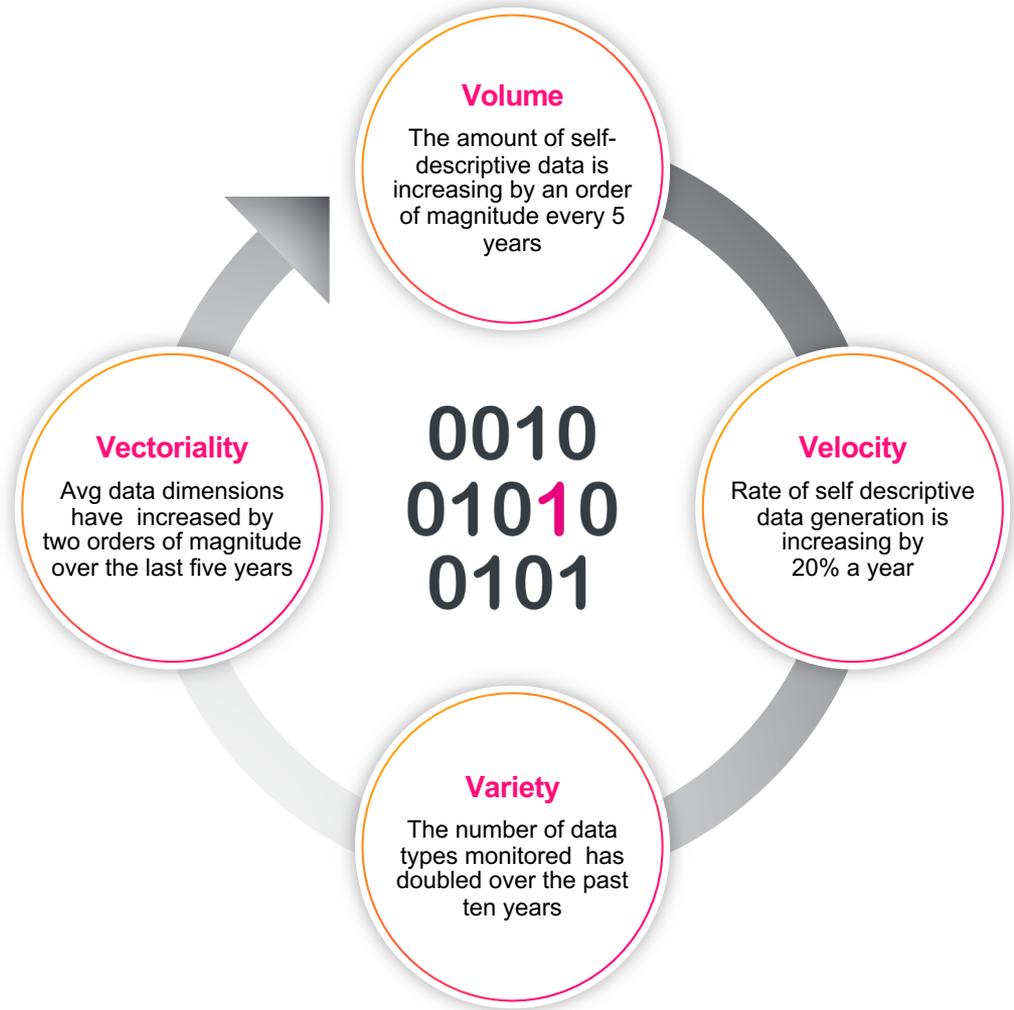


Until now, AIOps has spoken in the language of events and alerts; it must learn the language of telemetry.

System Complexity

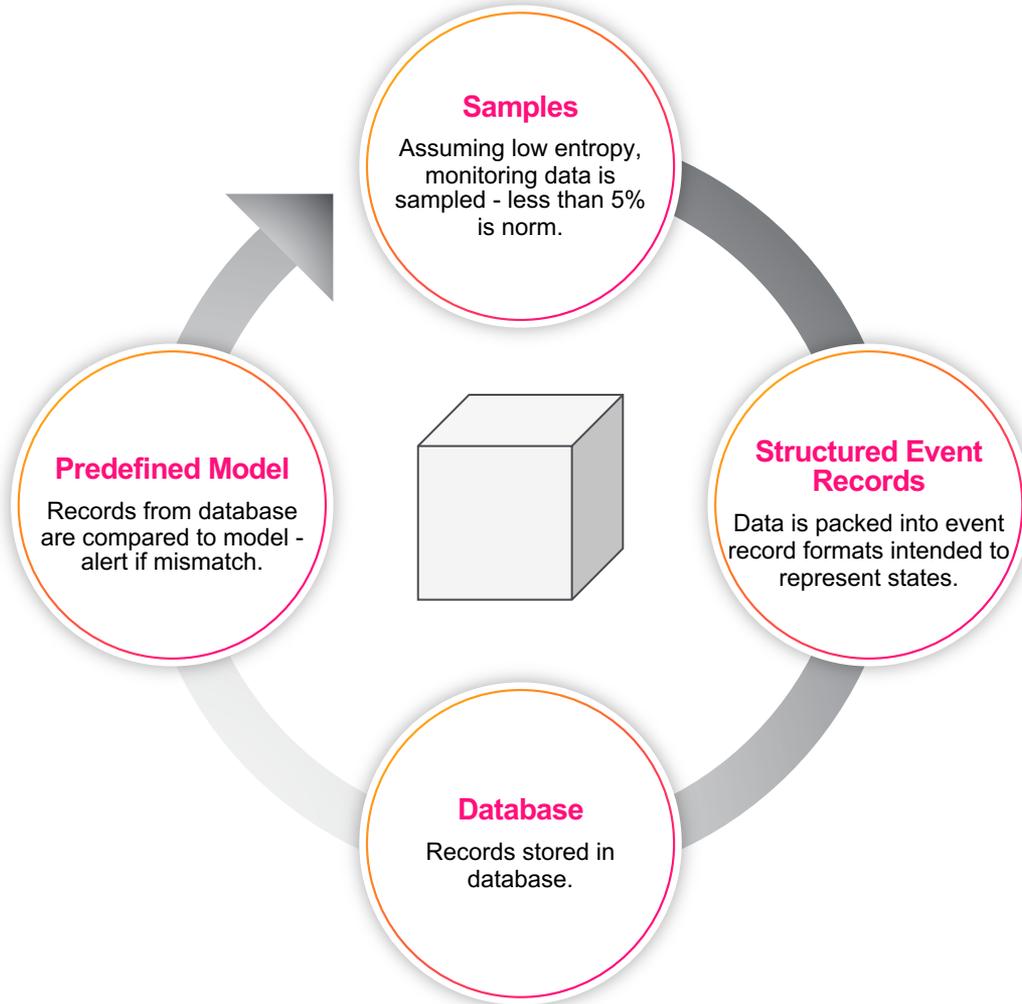


Data Complexity



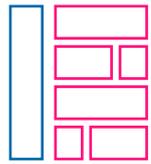
The Monitoring Design Plan

1975 - 2025



But... it does not work anymore!

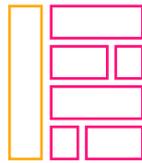
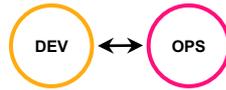
Monolithic Apps (2007 - 2011)



Events, Rules, Alerts



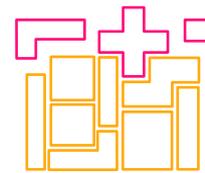
Multi-Tier Apps (2011 - 2015)



Numbers, Models, Reports



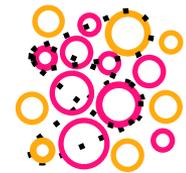
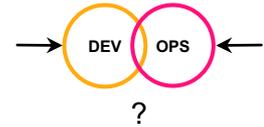
Modular Apps (2015 - 2020)



Logs, Metrics, Search



Ephemeral Apps (2020 - ?)



Full Telemetry, AI, Automation



Full-Stack Visibility and Context-Rich Insights



Metrics

Do I have a problem?



Detect

Traces

Where is the problem?



Troubleshoot

Logs

Why is the problem happening?

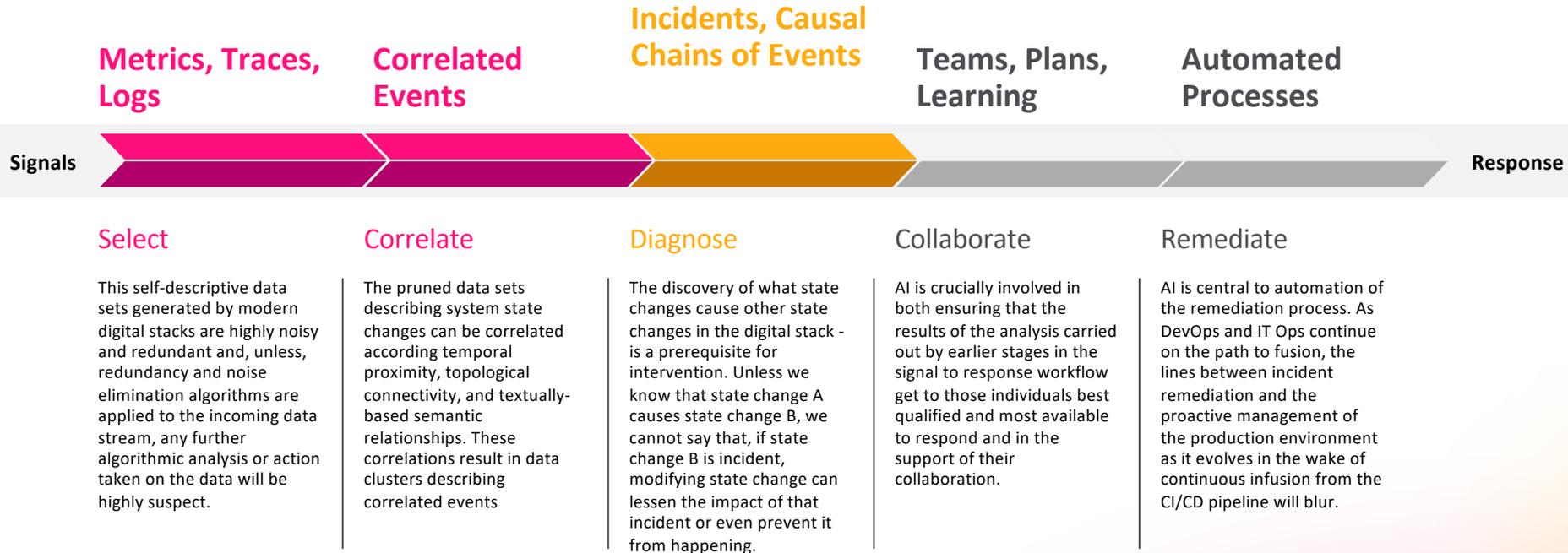


Root Cause

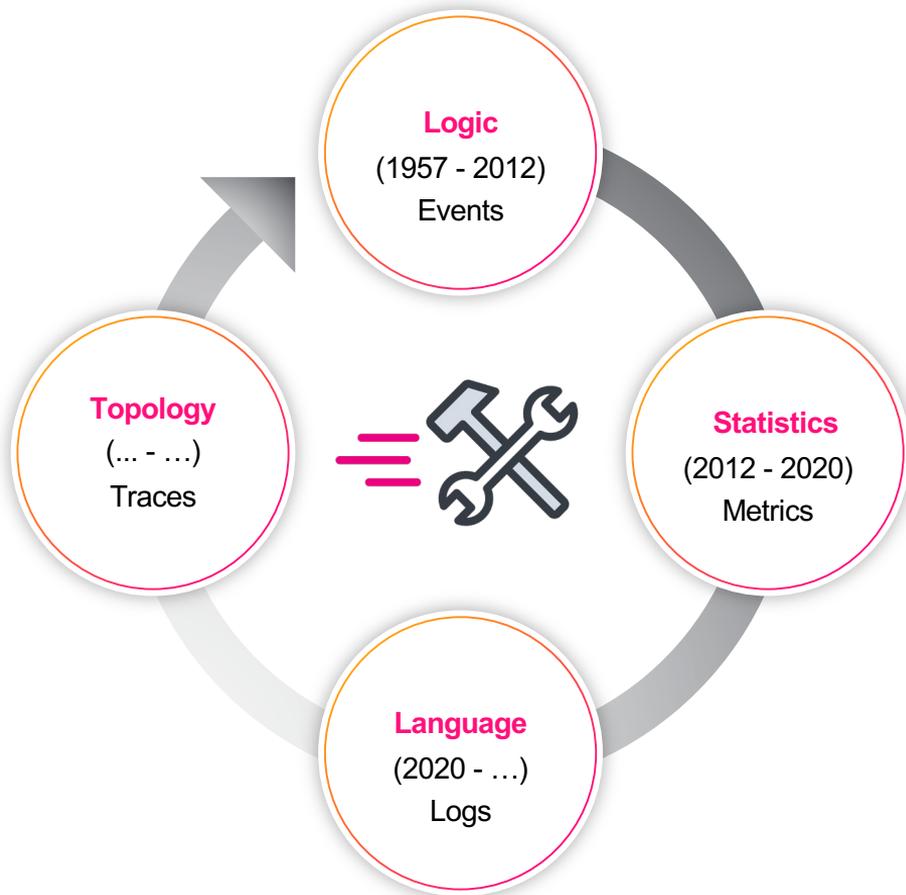
Observability Is a Data Problem

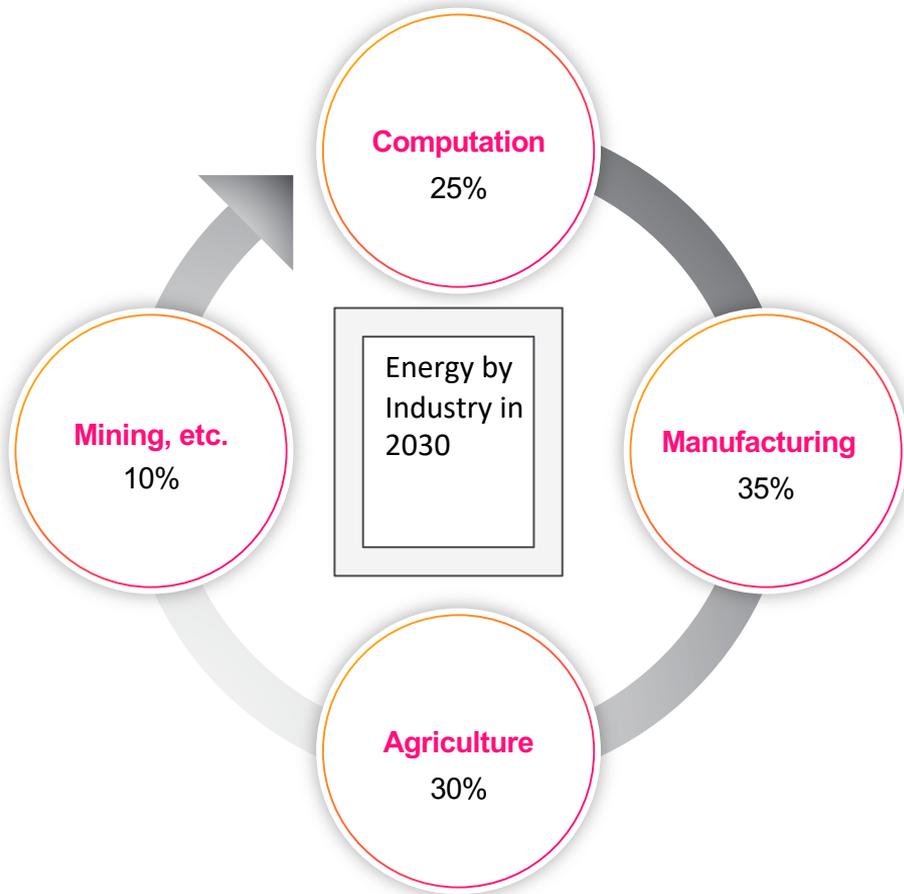
The more observable a system, the quicker we can understand why it's acting up and fix it

The Five Dimensions of AIOps



Where is AI going?





Where will AI/O11Y be deployed ?



Telemetry without AI is blind; AI without telemetry is empty.

Thank You

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Let's go

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