



Slowdown is the New Outage

#sitno

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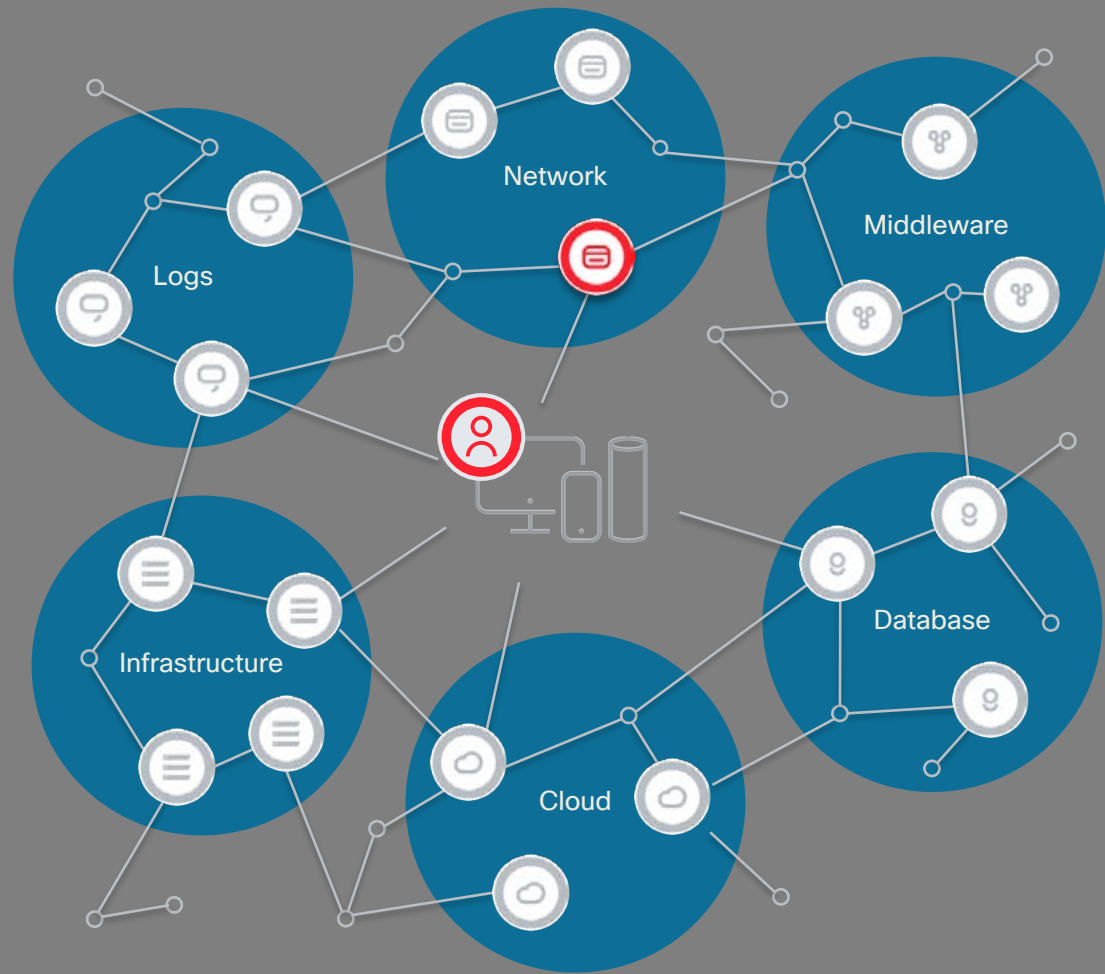
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Marco Coulter is passionate about the experience humans have when interacting with technology. Marco earned the nickname "the tech-whisperer" for his skills in translating business drivers for a technical audience and technical concepts for business leaders. When taking the rare break from technology, Marco can be found harvesting fresh vegetables from his NYC garden.



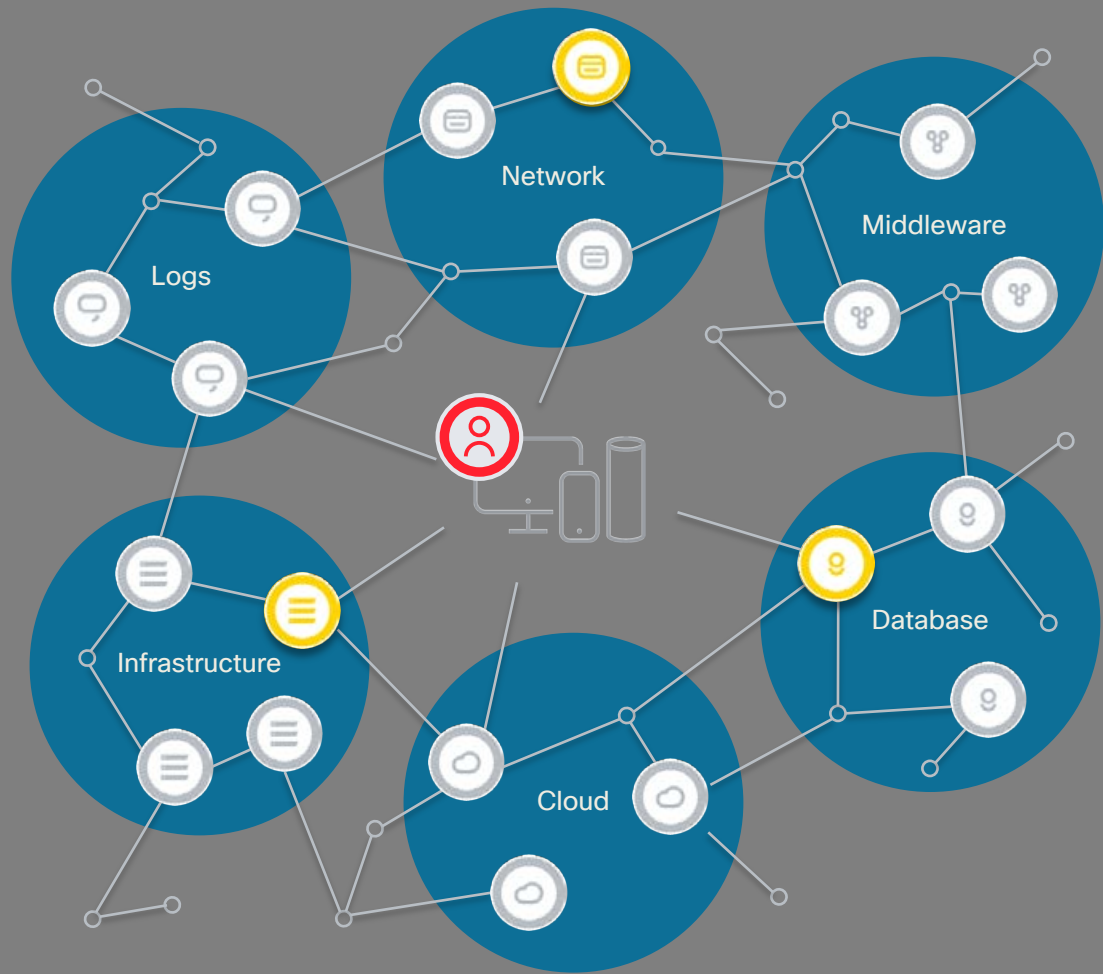
Outages are
Obvious



Outages

- Immediate
- Trigger Panic Mode
- Noisy
- The Final Straw

Slowdowns are Subtle



Slowdowns

- Incremental
- Fix without solving
- Silent
- Slowdown is the Camel

#sitno

**“Every 100ms delay
costs 1% of sales.”**

Greg Linden

- Developer of Amazon's Recommendations

Observability:

“the capacity to reach into code and answer an unpredictable version of ‘what does this code do?’”

Observability Insufficiencies

- Manual breakpoints or dtrace disconnected
- Too much observability can overload apps
- Observability focus tends to single applications

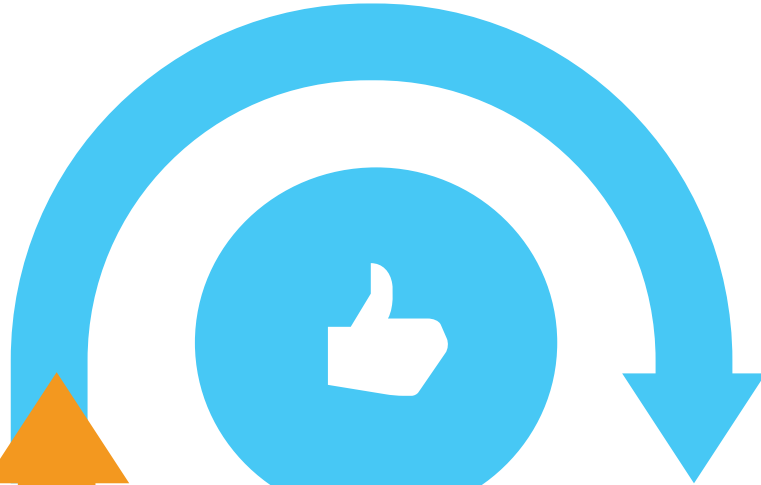
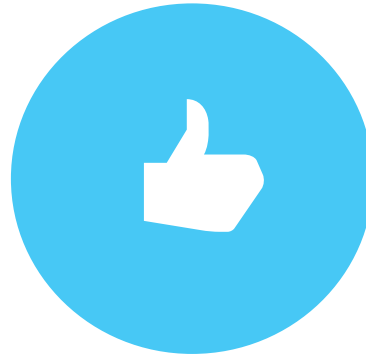
Observability Supports Diagnosis

Collecting, collating,
asking



Insight Supports Resolution

Context, correlating,
answering



**Insight
Surpassing
Observability**

Overhead Minimization

Baseline of Normal
Performance

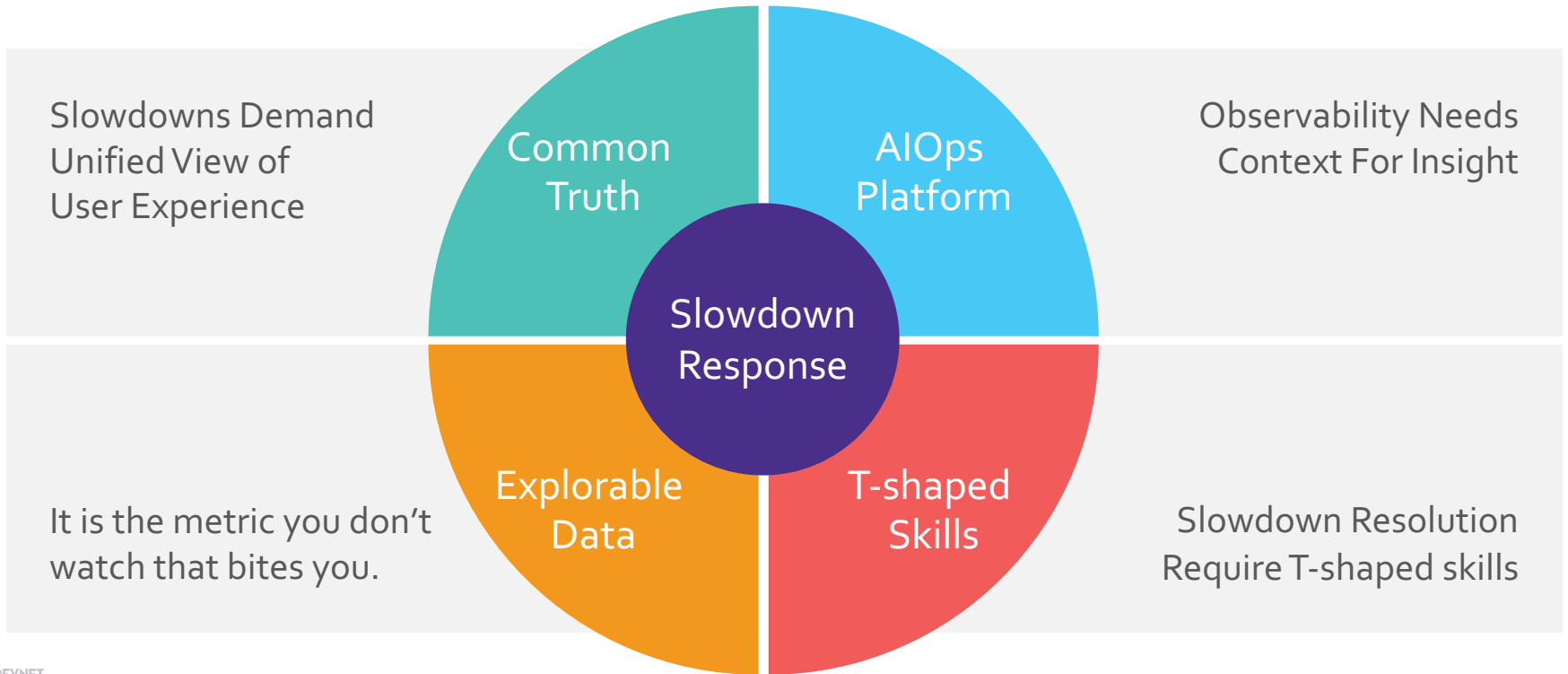
Segmented Metrics of
Customer Business
Transactions

Cross-silo Metric
Observability

Levers for Code
Isolation

ML-trained Noise
Filtering & Anomaly
Detection

Being Ready for Slowdown Response



DevNet Tools & Resources

- DevNet Sandbox - Cisco AppDynamics
- <https://devnetsandbox.cisco.com/RM/> and search for AppDynamics
 - *The AppDynamics Fundamentals reservation-based Lab provides you with an environment to deploy several AppDynamics' agents along with a sample application to understand how AppDynamics provides end-to-end application monitoring and allows you to quickly resolve performance issues before they become business problems.*

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(S.I.T.N.O.)

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DEVNET
Create