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Full-Stack Observability (FSO) for Applications in Hybrid and Distributed Environments

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PSOAPP-1004

Agenda

- The New Digital Expectations
- The Hybrid Complexity
- Why Full-Stack Observability (FSO)?
- Who's on the FSO Journey?
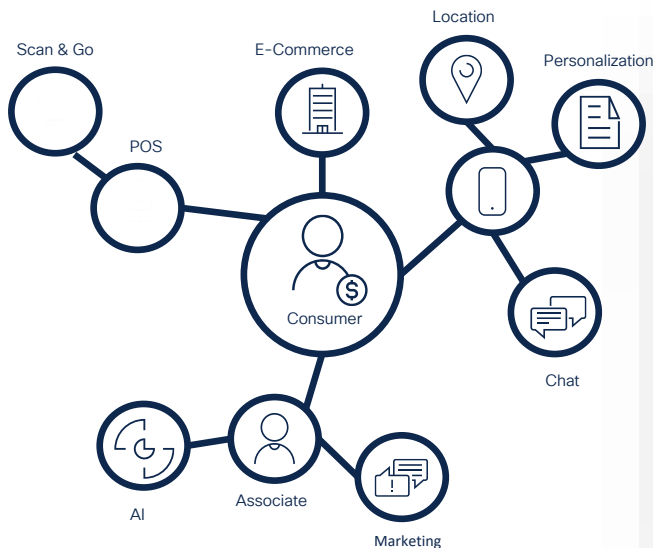- Conclusion

A LIFELINE TO NORMALITY

Digital
services

↑ **30%**
IN THE LAST 2 YEARS

Source: The App Attention Index 2021, AppDynamics.

Digital transformation is accelerating

If you don't keep up, you cease to exist

Scan & Go

POS

E-Commerce

Location

Personalization

Consumer

Chat

AI

Associate

Marketing

Sales

ONE SHOT
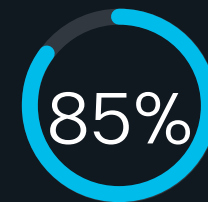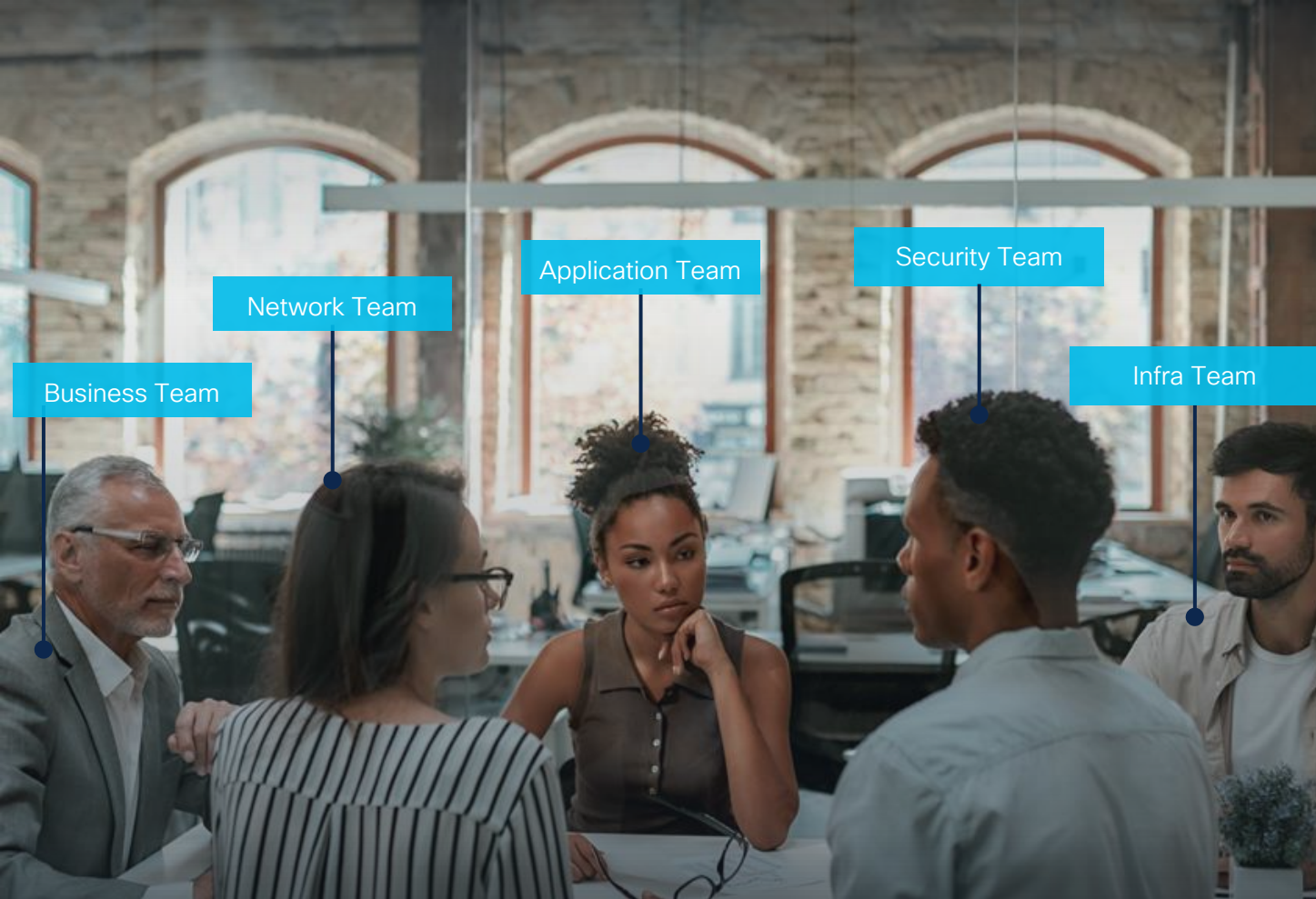## to get it right
Less tolerance. More action.

96%

Anticipate negative consequences for their business

68%

Consider it disrespectful to users for brands to offer a poor digital experience

Business Team

Network Team

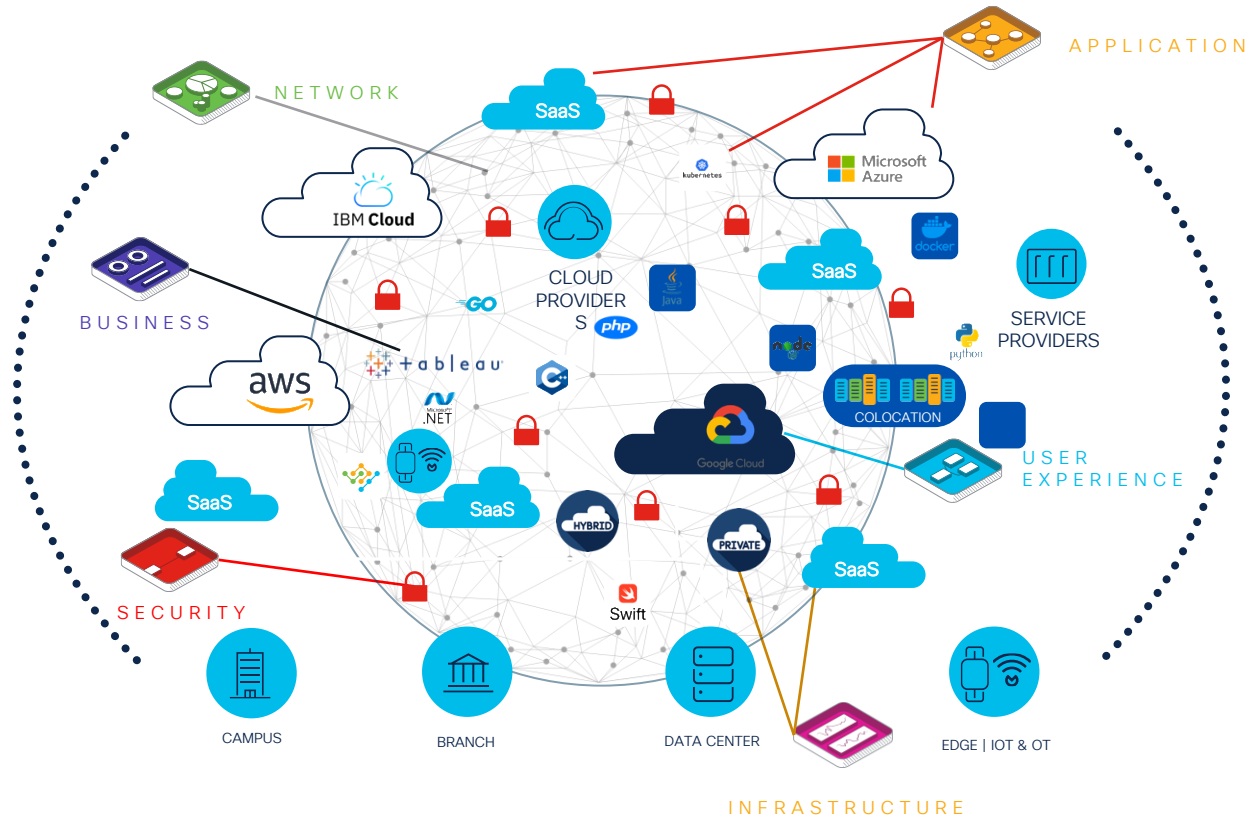Application Team

Security Team

Infra Team

85%

Big challenge is cutting through the volumes of data to identify root causes of performance issues
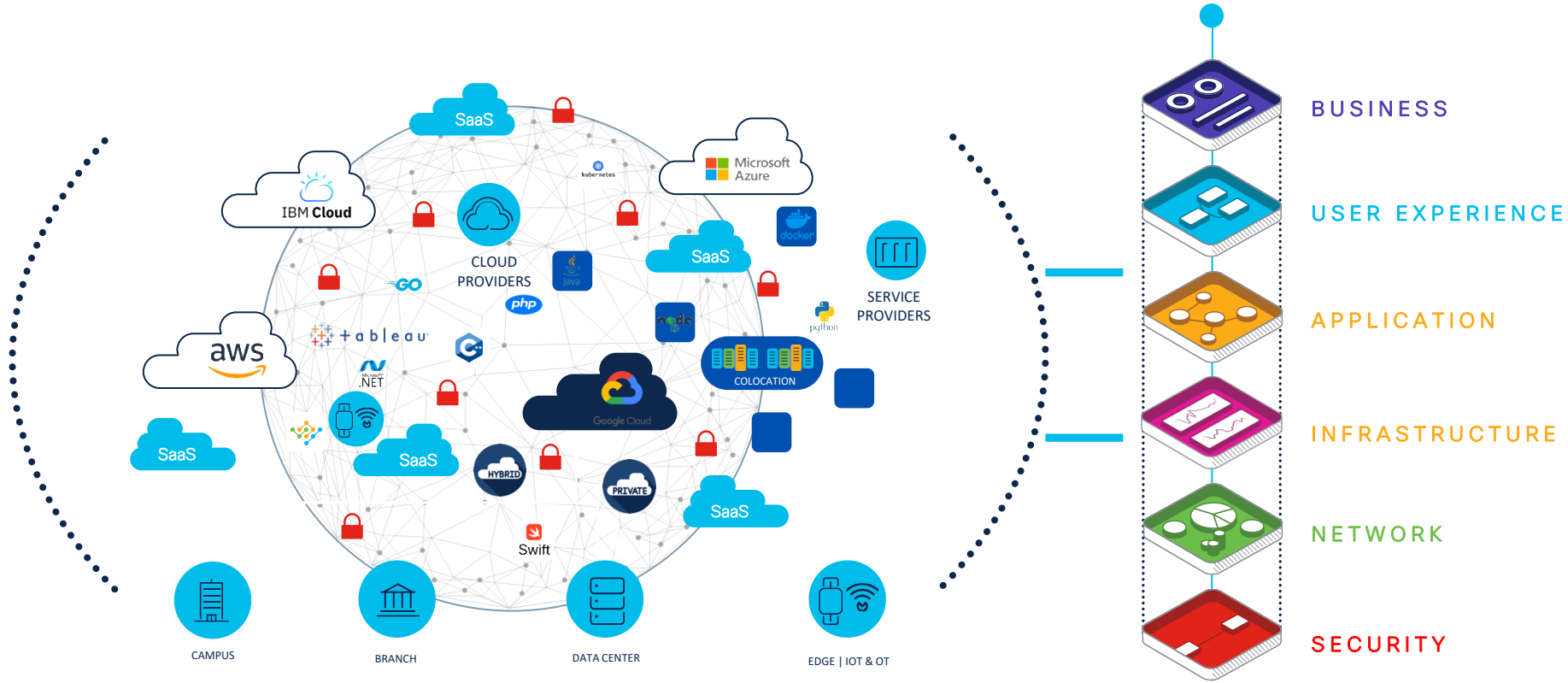
The Modern Digital Services Problem
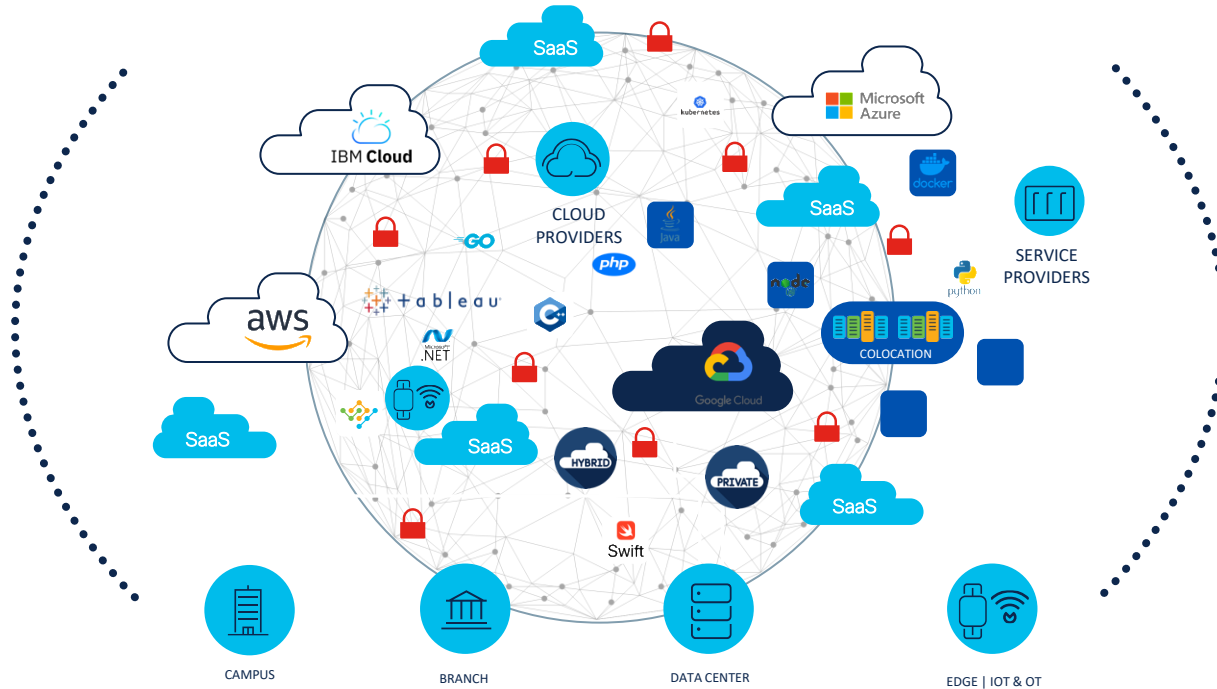
The Modern Digital Services Problem

Full-Stack Visibility

Full-Stack Observability with Business context

Prioritize issues with business context

Visibility
Observable & Optimizable Technology Stack

BUSINESS

USER EXPERIENCE

APPLICATION

INFRASTRUCTURE

NETWORK

SECURITY

Cross domain data correlation

Insights
Application and Business Insights Across Stack

End-to-end correlation & dependencies

Shared common context of performance issues

Prioritize issues with business and experience impact

Transactions, Incidents, KPIs

Actions
Prioritized Remediations & Optimizations Across Stack

Application to infrastructure performance

Cost and workload optimizations

Application security detection & policy enforcement

Full-Stack actions for the business

Full-stack observability use-cases

Performance

Hybrid application monitoring

Modern (cloud native) application monitoring

Customer digital experience monitoring

Application dependency monitoring

Optimization

Hybrid cost optimization

Application resource optimization

Security

Application security

Multi-cloud economics

The effects of Full Stack Observability with Cisco

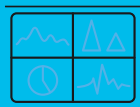**1** Ensure business context deep into the technology stack

2 Align teams across the org to focus on shared priorities

3 Act with confidence on what matters most to the business

The results of Full Stack Observability from Cisco

Full-Stack **Visibility**	Full-Stack **Insights**	Full-Stack **Actions**
Observable and Optimizable Technology Stack	Application and Business Insights Across Stack	Prioritized Remediations and Optimizations Across Stack

Improve customer satisfaction
Reduce MTTR to improve application uptime and performance.

Lower costs
Map dependencies between applications and infrastructure to optimize resources and prevent over-provisioning.

Accelerate innovation
Establish common vocabulary between development team and operations team when it comes to application performance.

Increase resilience
Proactively contextualize data and identify interactions, interdependencies, and patterns to increase application and infrastructure uptime.

freedom

APPDYNAMICS
part of Cisco

+

Cisco Intersight
Workload Optimizer

THE CHILDREN'S
PLACE

APPDYNAMICS
part of Cisco

+

ThousandEyes

AutoNation

APPDYNAMICS
part of Cisco

+

ThousandEyes

+

Secure Application (pilot)

Where can I learn more:
Cisco Full-Stack Observability Services

You don't need to do it alone – Quickly
activate and operationalize your solution

Optimize

Optimize user experience
by unleashing the power
of full-stack observability

Innovate

Speed time to market
by innovating faster with Cisco
certified application experts

Stay agile

Prevent and quickly resolve
application experience issues
with predictable analytics

- Check out the Full-Stack Observability Showcase located in the World of Solutions
- Speak with software and services experts at the AppDynamics Booth #3176 and the Customer Experience Booth #2274 located in the Cisco Showcase

Thank you

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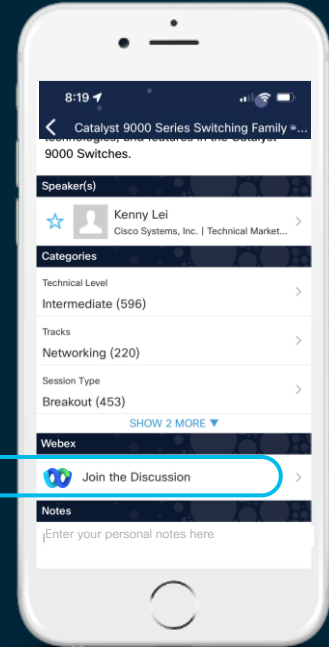
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