

The background is a vibrant, abstract graphic. It features a central bright white light source from which numerous colorful rays emanate, creating a sunburst or starburst effect. The rays transition through a spectrum of colors including yellow, orange, red, and various shades of blue and green. Overlaid on this are several large, semi-transparent, wavy shapes in similar color tones, giving the overall composition a sense of motion and energy.

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The bridge to possible

Observability at its best in Hybrid Cloud Environment

DEM with AppDynamics

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BRKDEV-1896



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Cisco Webex App

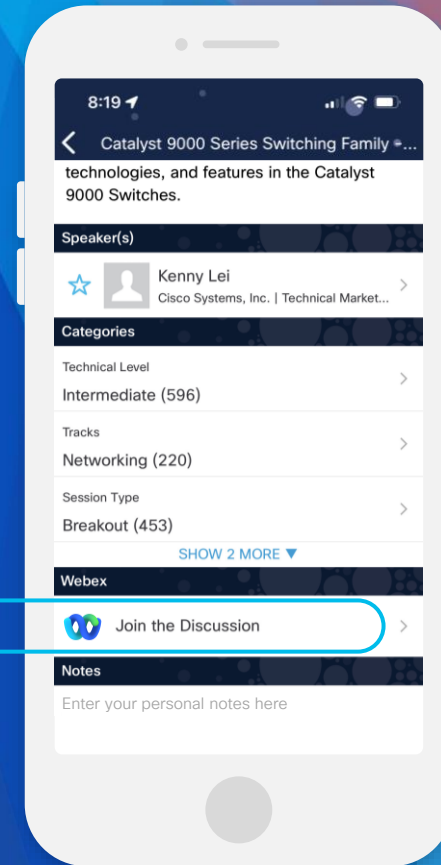
Questions?

Use Cisco Webex App to chat with the speaker after the session

How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until June 9, 2023.



<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKDEV-1896>

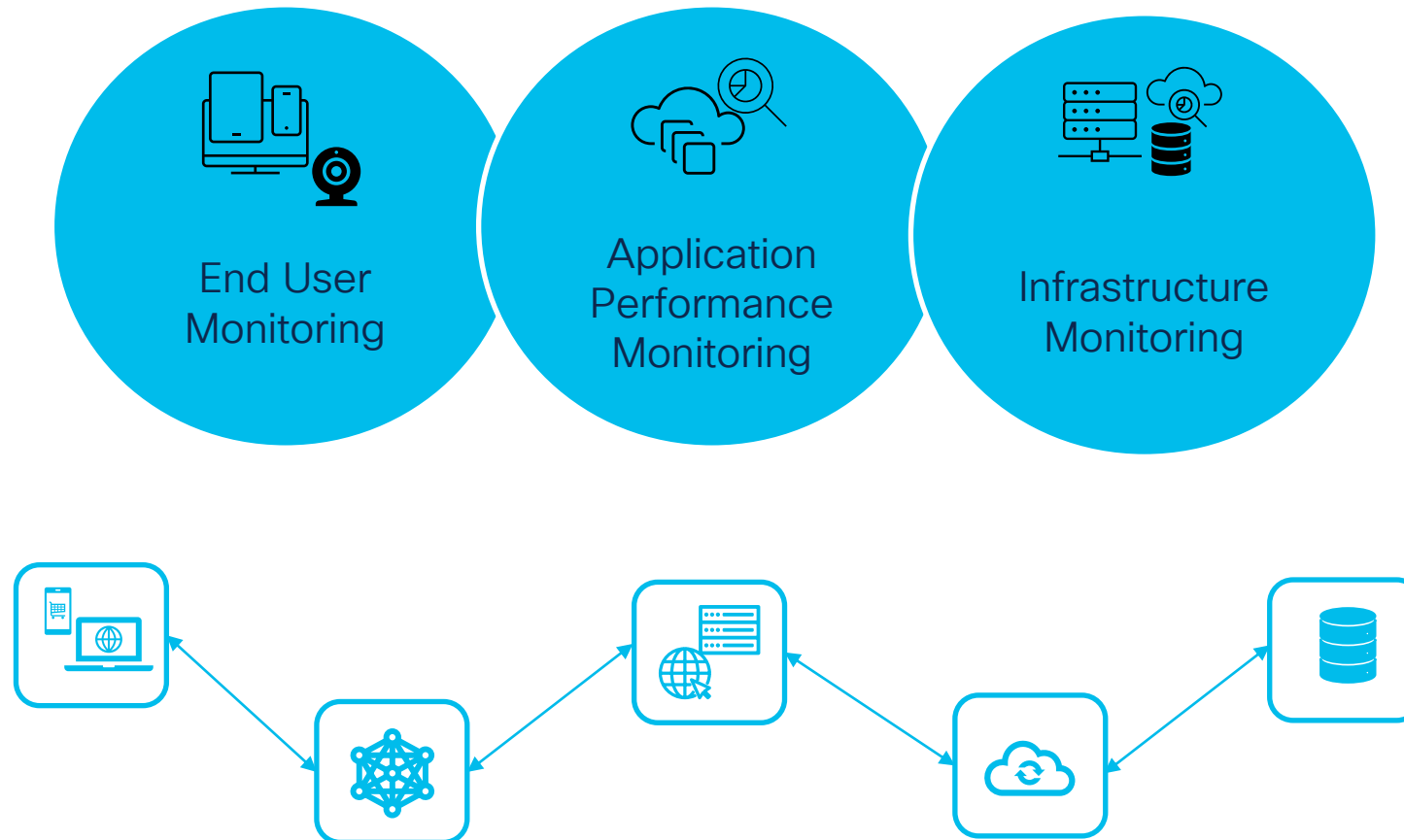
Agenda

- AppDynamics Digital Experience Monitoring
- AppDynamics Synthetic User Monitoring
- Modern day App Observability
- Observing Workload in Hybrid Cloud environment with AppDynamics
- Conclusion

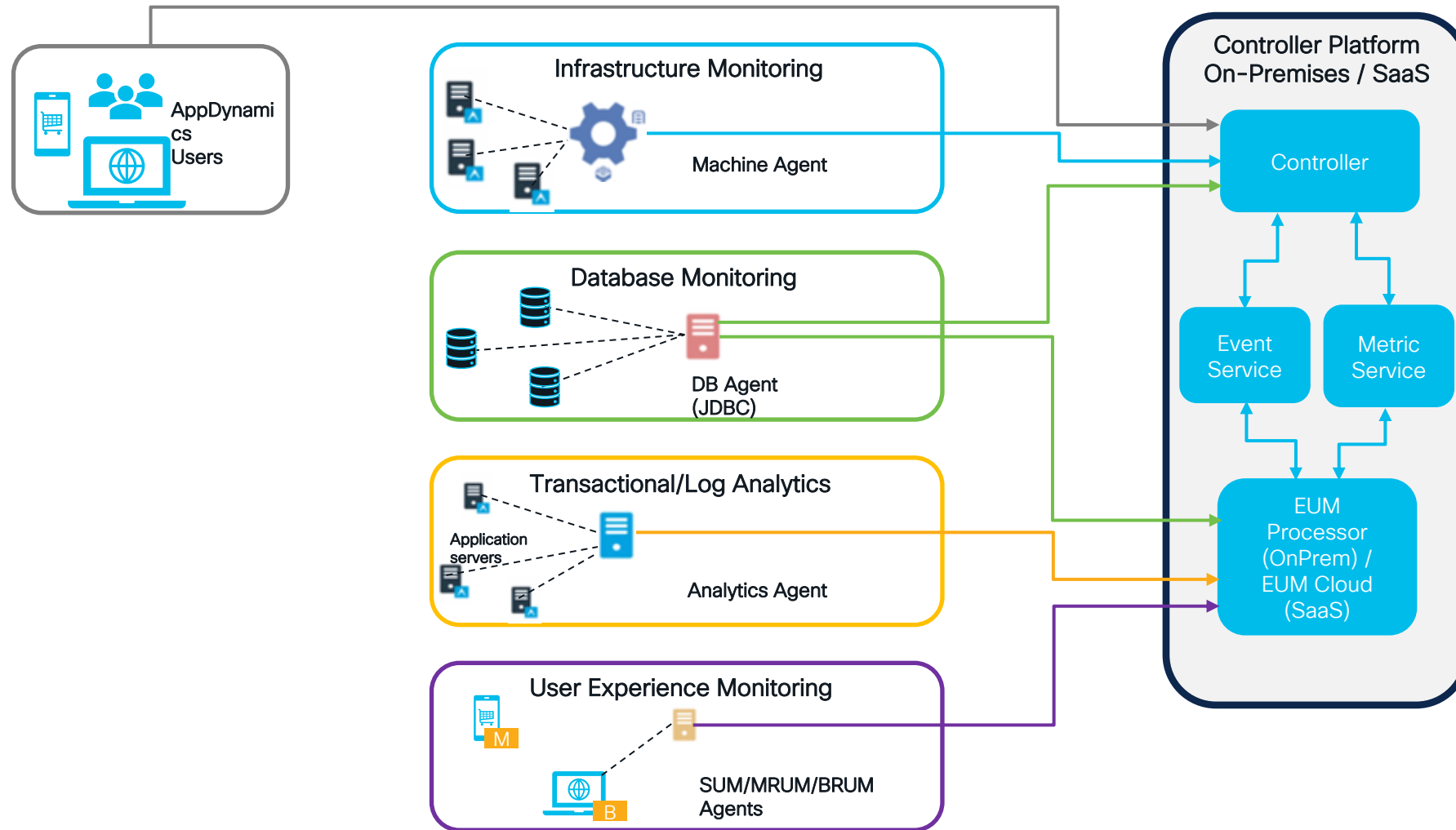
Digital Experience Monitoring

AppDynamics Digital Experience Monitoring

Monitoring end to end digital transaction path



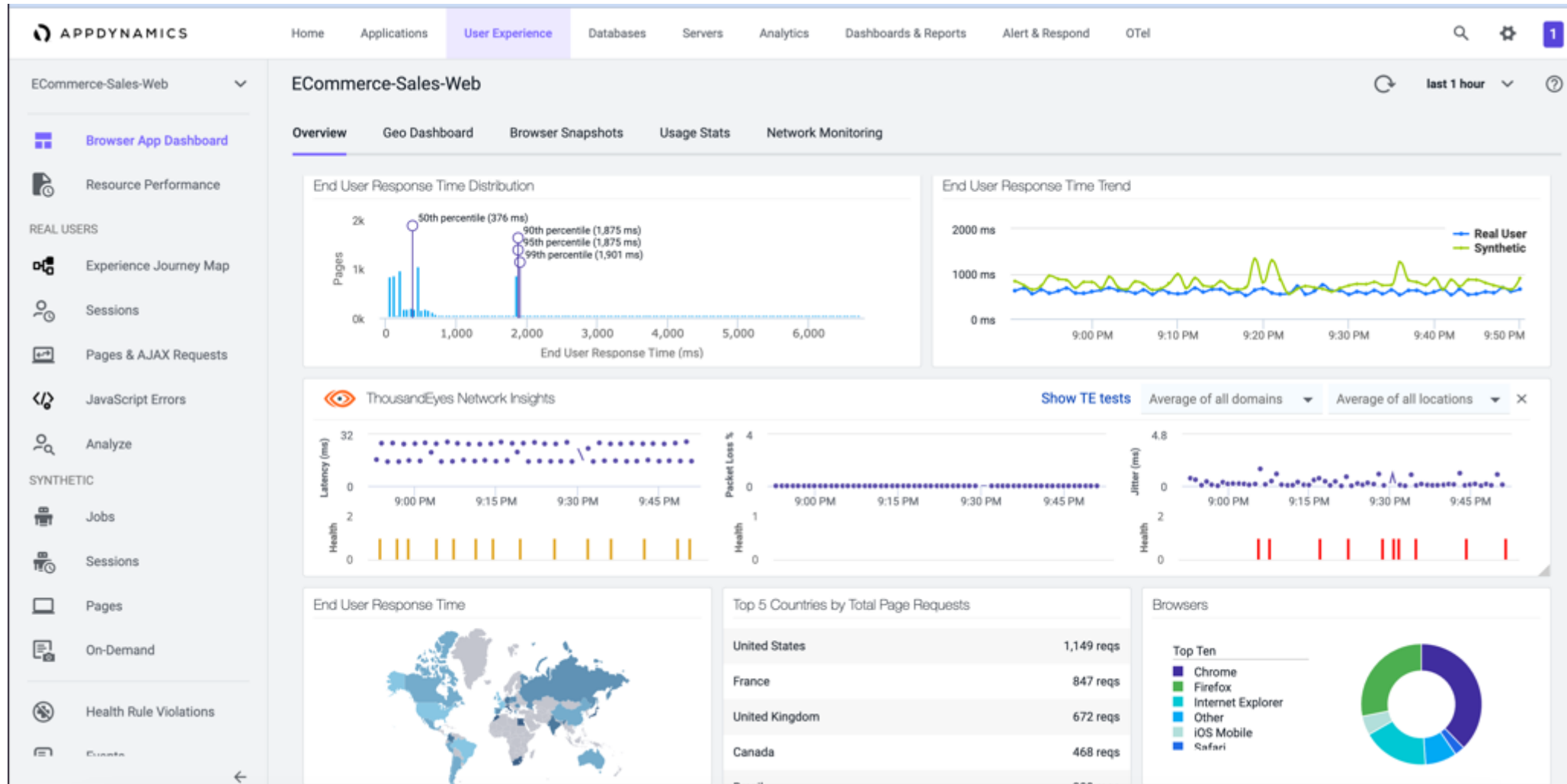
AppDynamics Infrastructure



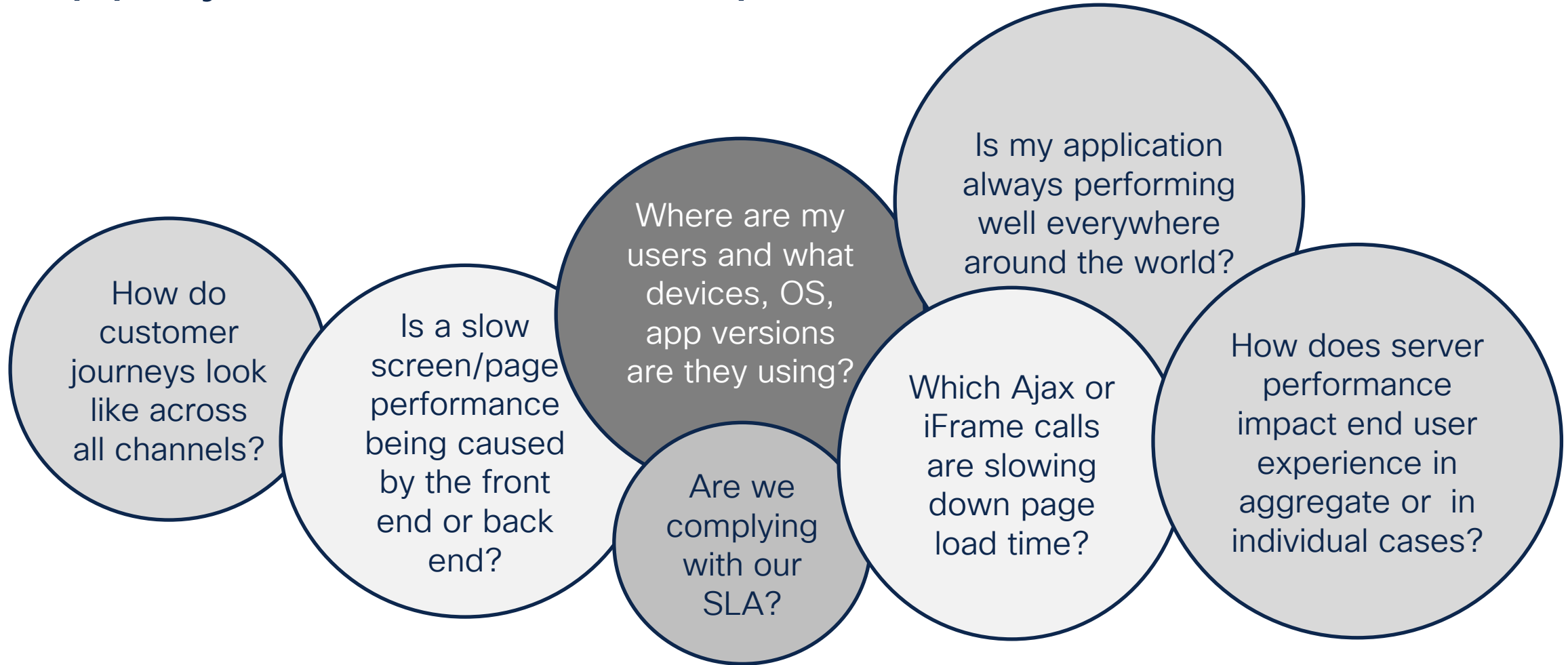
What is AppDynamics End User Monitoring

Real User Monitoring (RUM)		Synthetic User Monitoring (SUM)	
Browser RUM (BRUM)	Mobile RUM (MRUM)	Web Monitoring (WebMon)	API Monitoring (ApiMon)
<ul style="list-style-type: none">• Browser User Sessions• Page / iFrames loads• Ajax requests• Java Script errors	<ul style="list-style-type: none">• Crash reporting• Network Performance• User Sessions• Custom Data	<ul style="list-style-type: none">• Global network of real browsers• Scheduled scripted Web monitoring jobs• User Sessions• Page load• Ajax requests	<ul style="list-style-type: none">• Scheduled scripted API monitoring jobs• API performance and availability monitoring

What is AppDynamics End User Monitoring (EUM)

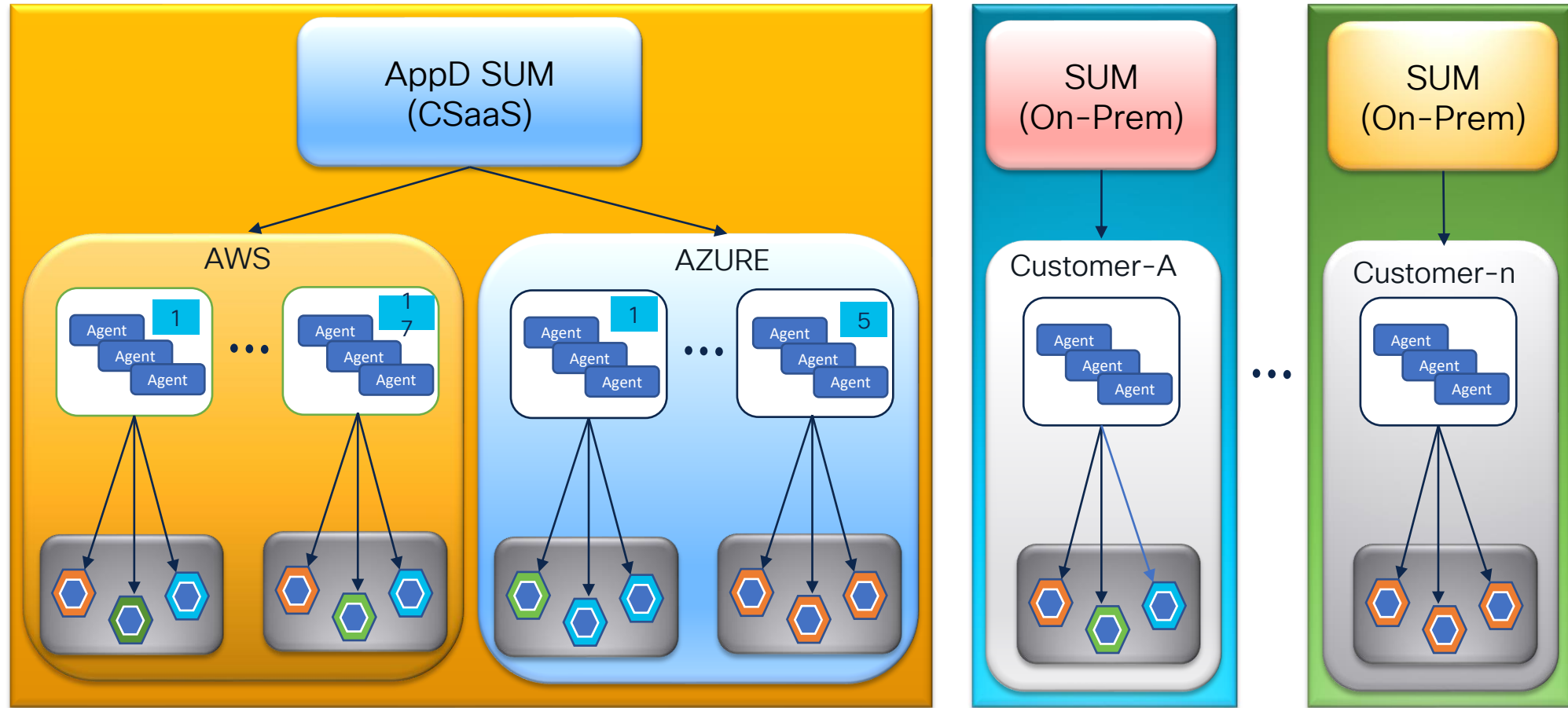


AppDynamics EUM Helps answer



Synthetic User Monitoring

AppDynamics Synthetic User Monitoring (SUM)



AppDynamics CSaaS Synthetic User Monitoring

- Synthetic Agent Deployed across geographical locations
 - Automates user behavior emulation and user experience measurement flow
 - Instrument browser and API calls during automation
 - Monitor a single API or chain of multiple API requests
- Records measurement data across locations and clouds
 - Drill down into individual session data
 - Waterfall
 - Logs and Correlations
 - Insight into page level metrics across sessions
 - Load time
 - Visual complete time
 - Downloaded
 - DOM elements count
 - Insight into resource level metrics across sessions
 - DNS resolution time
 - Download time
- Alerts for any SLA violations

Benefits of Synthetic Monitoring



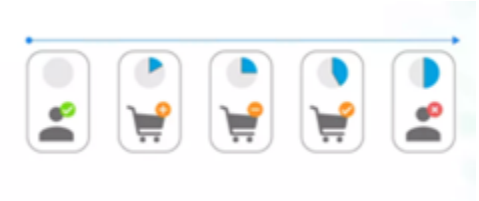
Understand Your Users

- Simulates end user behavior through scripts
- Understands user experience under different scenarios
- Builds browser-user insights to optimize web experience



Reduce MTTR

- Quickly triages and troubleshoots issues by leveraging data collected across the entire technology stack

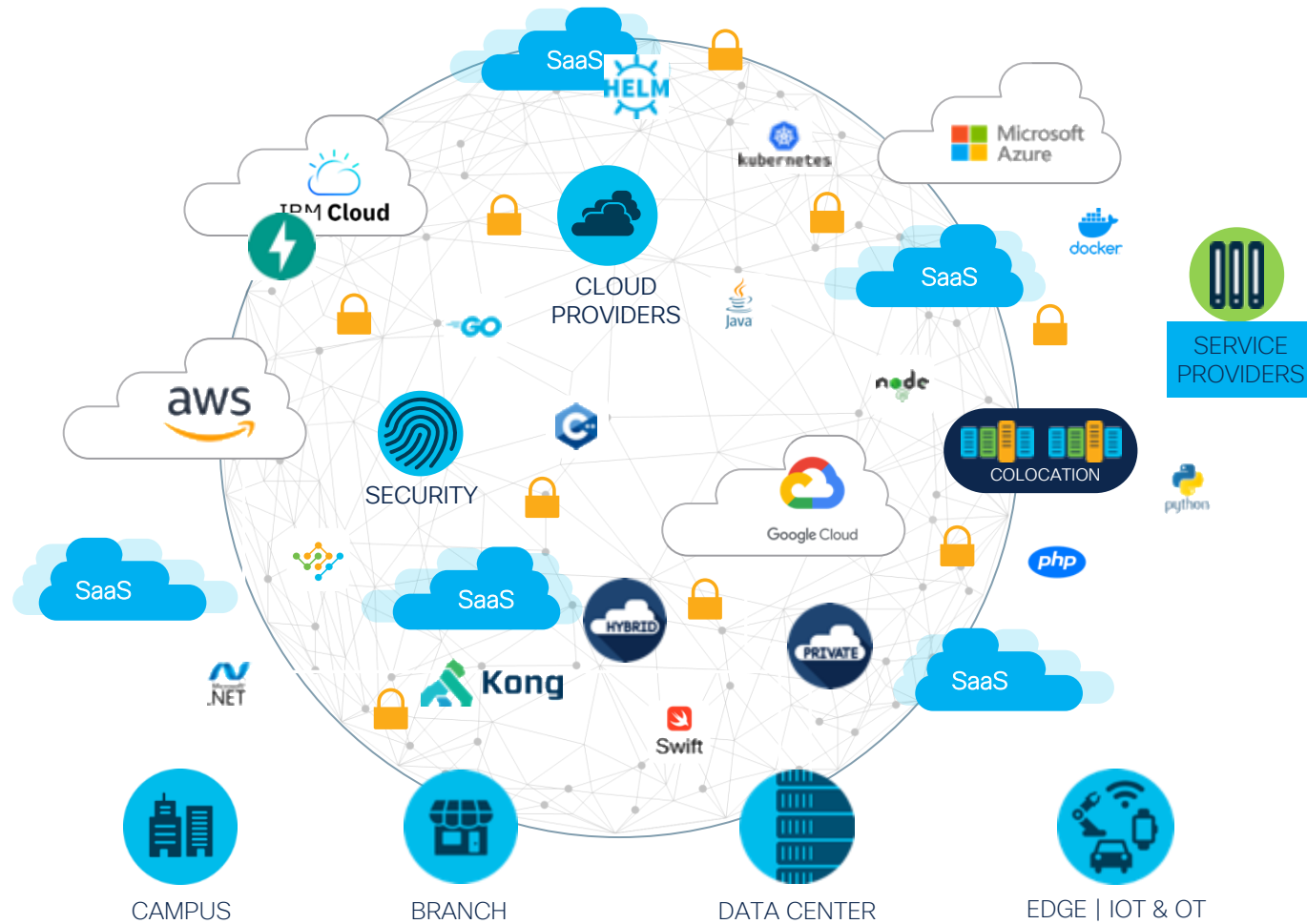


Know how your APP is being used

- Continuously tracks user sessions and API calls to predict the business impact of browser performance on your KPIs

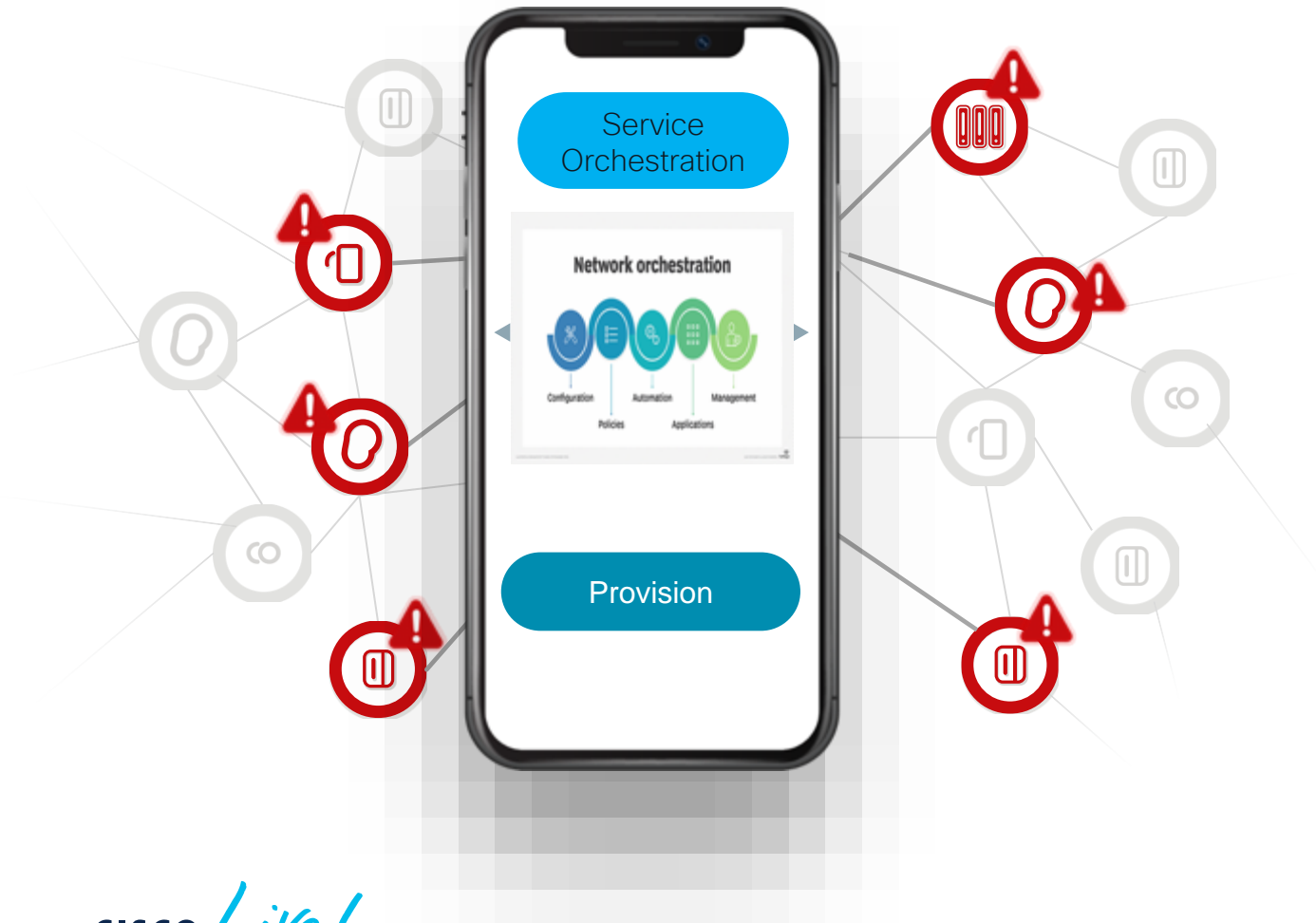
Modern Day Applications and Observability

Application Landscape



Observability for modern applications

Monitoring



Observability for modern applications

Monitoring

Full-Stack Observability



Enable end-to-end visibility to deliver a seamless hybrid app experience

Observability in Hybrid Cloud

Observability challenges in Hybrid Cloud Environment

- Limited visibility across clouds
- Multiple silos
- Vendor lock-in
- Lack of business context

Workload Monitoring in Hybrid Cloud Environment with AppDynamics

Scenario:

User logging to online bank account where MFA is enabled.

- Bank URL is hosted in Public cloud
- MFA OTP service hosted in Bank Private cloud

Desktop Page Request

Bank Home page

<https://www.online.citibank.co.in/>

User Login page

<https://www.citibank.co.in/ibank/login/IQPin1.jsp>

OTP Request page

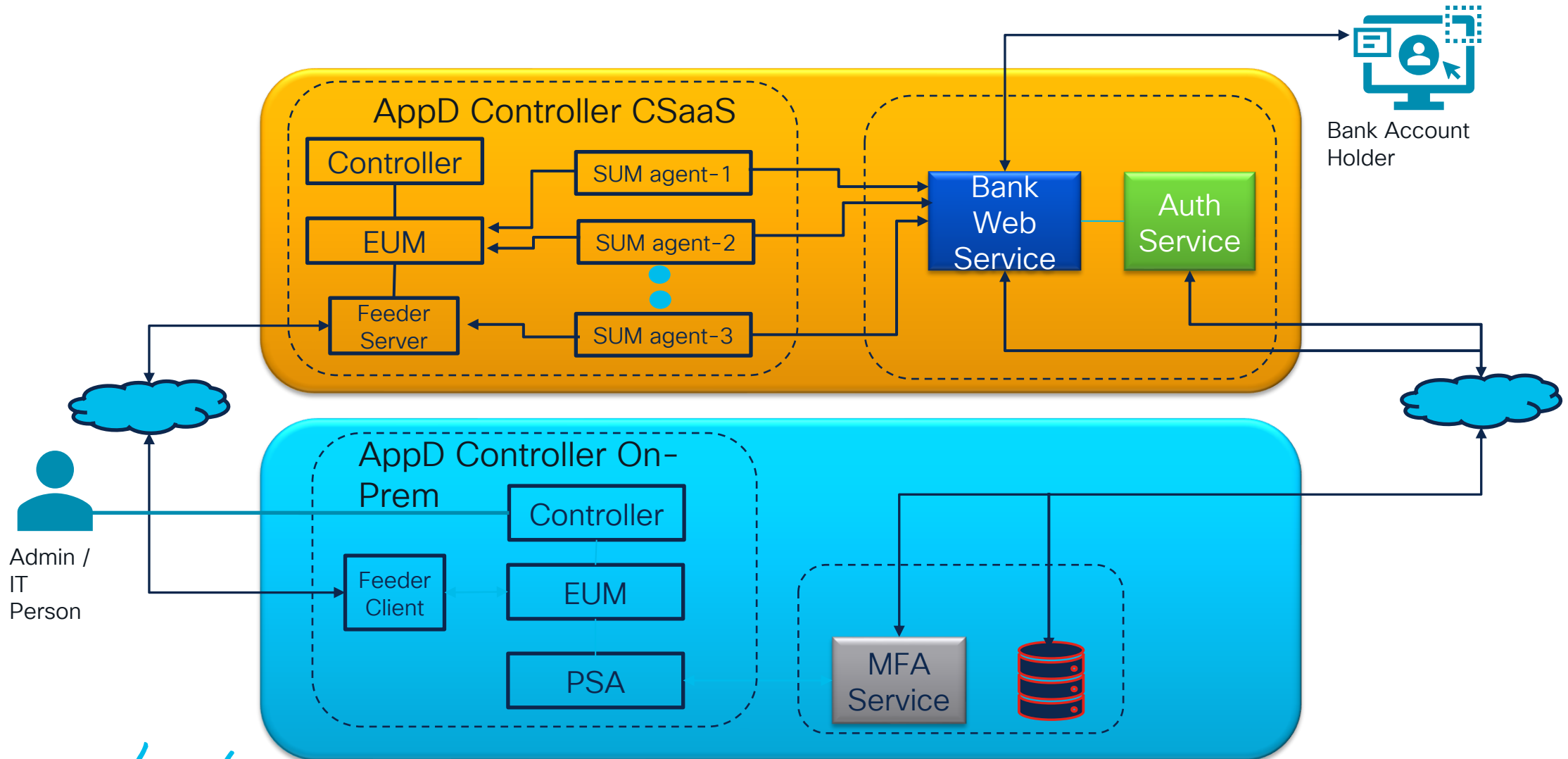
<https://www.citibank.co.in/lbsJsps/optIntermediate.jsp#>

MFA OTP API Request

- API call to generate OTP
- User Receives OTP on Mobile
- User Enters OTP



Synthetic WebMon in Hybrid Cloud Environment





Demo

Conclusion

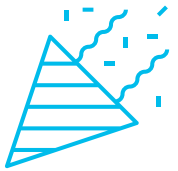
Conclusion

With AppDynamics,

- User can gain end-to-end visibility across your hybrid cloud infrastructure to reduce complexity
- Deliver a seamless customer experience
- Directly correlate technical issues to business performance

Whether your applications are running on-premises, in the cloud or both, AppDynamics provides deeper visibility to find bottlenecks, address inefficiencies and accelerate performance.

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Attendees will also earn 100 points in the **Cisco Live Challenge** for every survey completed.



These points help you get on the leaderboard and increase your chances of winning daily and grand prizes

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- Visit the On-Demand Library for more sessions at www.CiscoLive.com/on-demand



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Thank you

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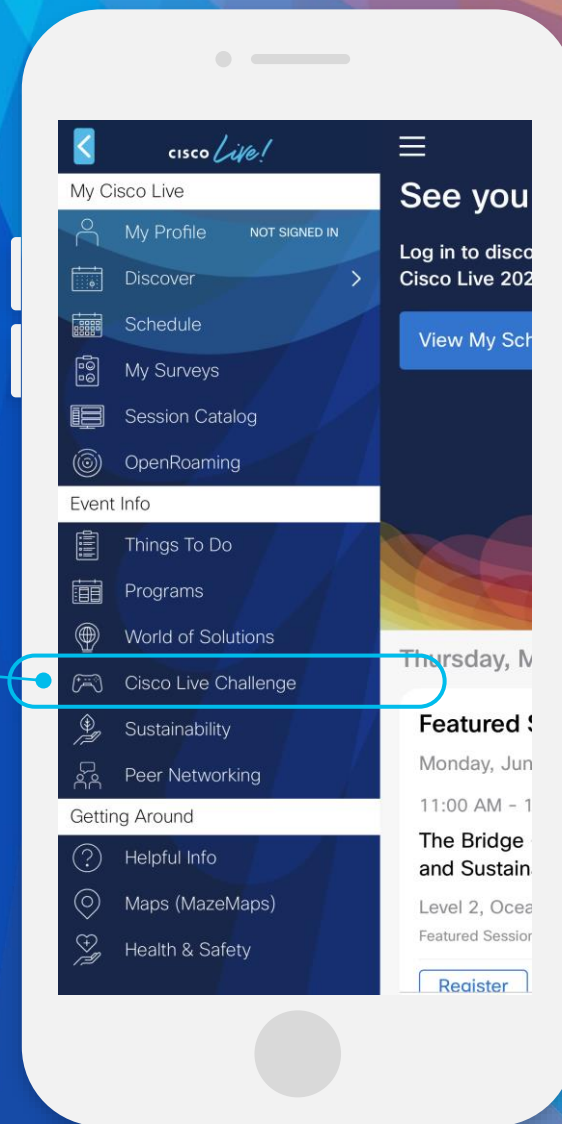
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- 1 Open the Cisco Events App.
- 2 Click on 'Cisco Live Challenge' in the side menu.
- 3 Click on View Your Badges at the top.
- 4 Click the + at the bottom of the screen and scan the QR code:



The background features a vibrant, abstract design with overlapping, wavy bands of color in shades of red, orange, yellow, green, and blue, creating a sense of motion and energy. A bright, multi-colored sunburst or starburst pattern emanates from the right side, adding to the dynamic feel.

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