

SAP ERP and Beyond Observability

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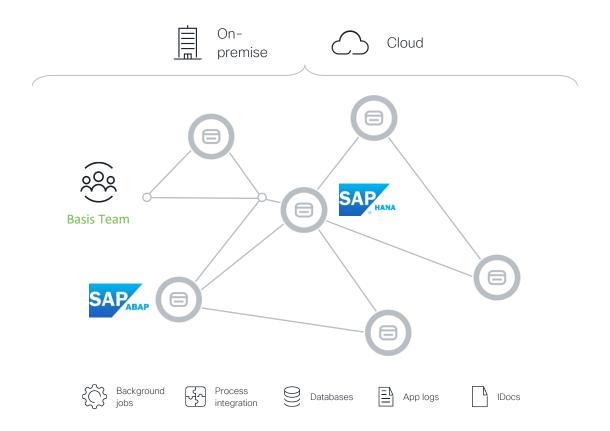
Agenda

- Why AppDynamics for SAP
- What AppDynamics has to offer
- Demo
- Summary...

Why AppDynamics for SAP

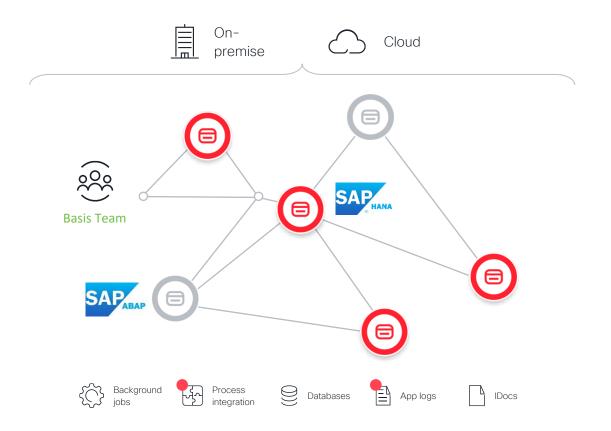




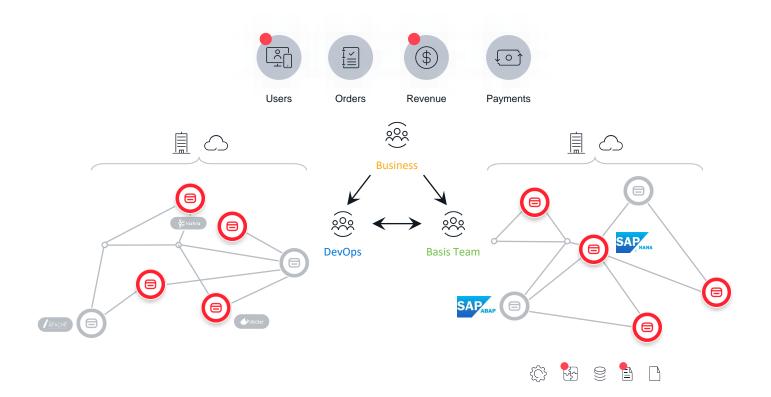




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Troubleshooting legacy SAP applications

"For the Fortune 1000 ... the average cost of a critical application failure per hour is \$500,000 to \$1 million."



IDC Opinion, DevOps and the Cost of Downtime: Fortune 1000 Best Practice Metrics Quantified

Insufficient monitoring solutions

- Challenging to instrument ABAP code and discover root cause
- Difficult to correlate problems in infrastructure, application, databases or integrated applications
- Cannot diagnose performance issues in SAPGUI apps

Unhelpful alert storms

- Static thresholds result in noisy warnings (ex: SAP Solution Mgr)
- Reactive approach due to a lack of any machine learning or Al capability.

No business context

- Inability to correlate performance problems to user experience
- Inability to prioritize issues by importance to business



What AppDynamics Has To Offer



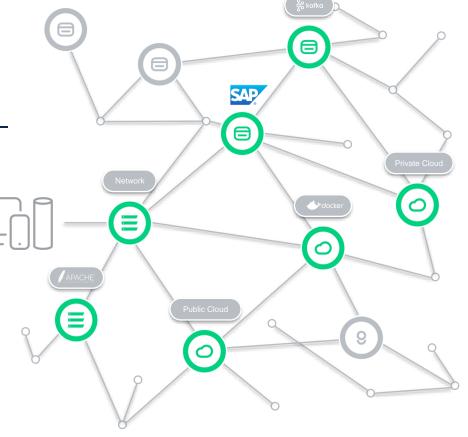


Real-time Mapping of Customer Experience, end-to-end across the enterprise

 Real-time mapping of transactions across distributed and SAP systems

Understand upstream service dependencies and consumers of SAP

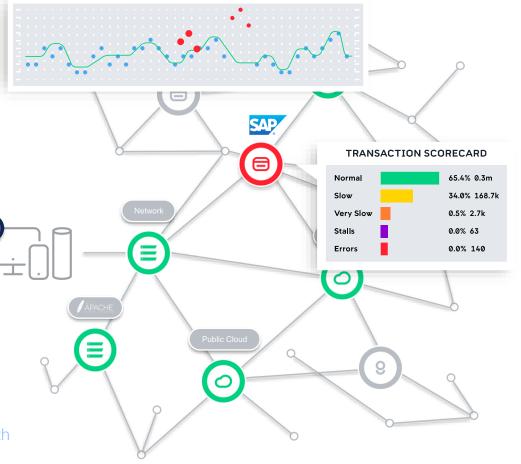
 End-to-end visibility into SAP systems, down to ABAP code



Dynamic baselines tell you what's normal, with realtime scorecards alerting you when things go wrong

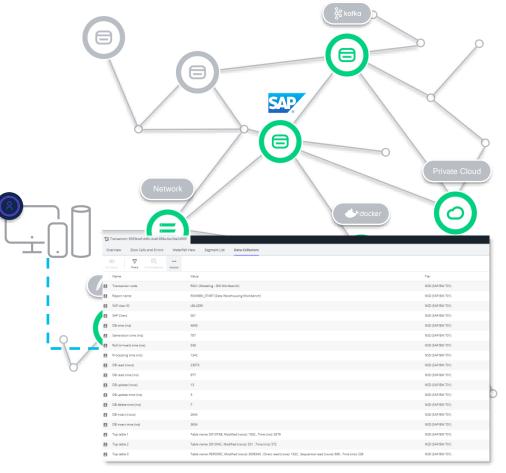
100% of all user transactions and SAP calls monitored

- Dynamic baselines and scorecards
- Real-time anomaly detection and isolation of both technical and business metrics



Code level insights into ABAP

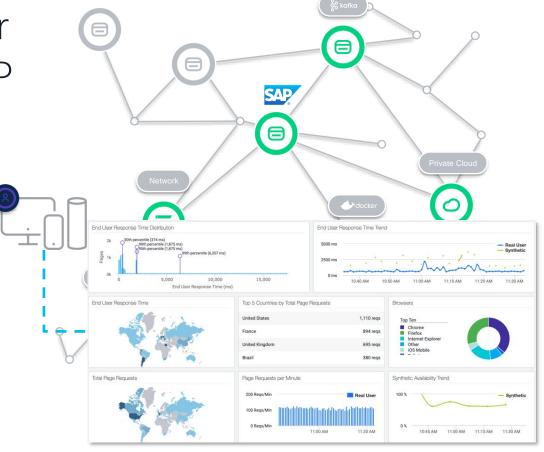
- SAP transactions end-to-end visibility
- Detailed info on a single user transaction
 - Show the button clicked in the GUI
 - Database tables written to, and how many rows modified
 - Show outgoing RFC calls from ABAP
 - Show outgoing HTTP calls from ABAP





Browser Real User Monitoring for SAP Fiori

- Auto Injection of Browser Monitoring
- Geo dashboards provide real-time visibility into end-user performance
- Page level breakdown shows experience by individual screens



Real Time Business Intelligence

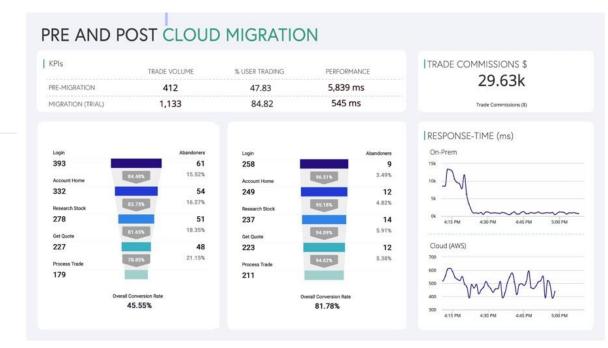
- Automatically Collected
- Fully correlated to transaction performance
- Ready for real-time insights



Speed up cloud migration and

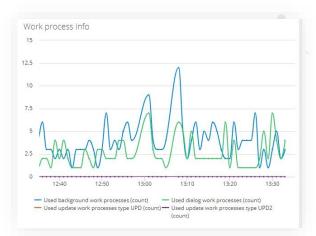
migration a S/4HANA adoption

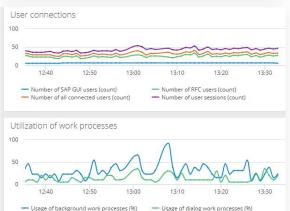
- Plan migrations more effectively
- Measure post-migration results



Proactive Landscape Monitoring

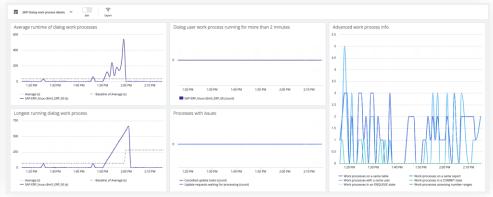
- Run regular diagnostics on key metrics from components of the landscape to identify a slow down in system performance for either a single user, or the entire SAP landscape
- Constant system confidence by monitoring and alerting on overall SAP landscape degradations, and/or slow downs
- Out of the box dashboards for HANA, Background Jobs, Database, BW, Pl. App Servers, RFC, SAP Connect, Lock Statistics, System Changes, Work Processes & Users, and more.
- Proactively alert on, identify and resolve potential system issues
- Troubleshoot system bottlenecks





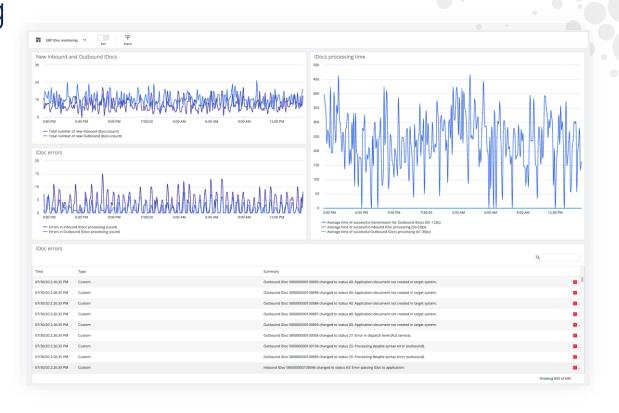
Capacity

- · Quickly diagnose capacity issues from incorrectly sized infrastructure
- Actively manage infrastructure configurations for ECC, S4/HANA and BW
- Right-size server deployments and overall capacity needs
- Optimize infrastructure spend, while guaranteeing customer experience



IDocs Monitoring

Detection & drill down to root cause of failed IDoc communication





SAP App Store



SAP Premium Certified





"Our most strategic and global partnership organizations attain platinum status by invitation only... Working with one of our platinum partners means you're working with one of our largest and most trusted SAP partners."





SAP certification for ABAP add-on

SAP Premium certification with high security

Certified for both ECC and S/4 HANA



BRKAPP-1009



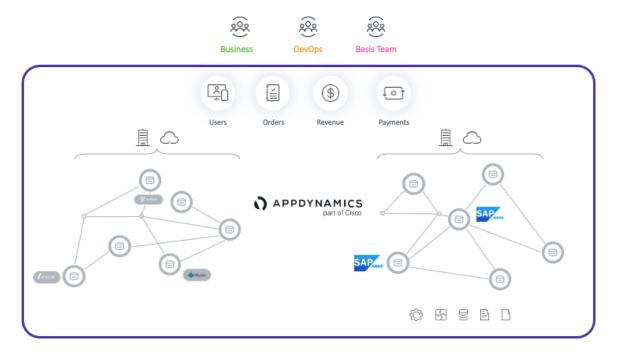


Summary....





The AppDynamics way



Single Pane Of Glass + Correlation with Business Context = Small MTTR





RESULTS

- Reduction in frequency and duration of production events resulting in ~\$4.5M USD annual savings
- Had an 70%
 reduction in "poor
 performing
 application minutes"
 resulting in improved
 end user productivity
 of ~\$4M USD
 annually
- Reduction of customer impact resulting in revenue protection of ~\$750k USD annually

Improving Customer Experience & Revenue

Company

 Global athletic apparel manufacturer with a physical and online retail presence in addition to supplying other retailers. This company is a Global 50 SAP customer.

Scenario

- Online retail presence was being severely impacted by the backend, which is using SAP ECC and other SAP ABAP Platform products (~350 critical issues/month)
- Inventory management, material management, and logistics were also impacted which resulted in shipment delays both to 3rd party retailers and customers.

Challenge

- There was no holistic view across the business transactions making it difficult to identify whether root cause was in SAP and if so, where it was
- Inefficient war room due to lack of visibility and multiple tools that were not coordinated in their usage.
- SAP Solution Value
 - Holistic view across the business transaction, including deep SAP visibility
 - Can quickly correlation application performance issues across each step and solve for root cause
 - Reduction in alerts by using dynamic baselines instead of static thresholds
 - Tool consolidation resulting in savings and gains in efficiency for incident mgmt.





Improve IT Efficiency, Reduce MTTR

Company

 American medical diagnostics company that markets its products globally.

Scenario

- The company was losing significant time and money (\$270k USD per year) troubleshooting issues with SAP and connected systems
- IT was rarely able to meet the stringent 99.95% SLA with the business and was generally informed of issues by manufacturing.

Challenge

- Static thresholds for alerts were causing unnecessary war rooms, contributing to IT costs
- Average of 1 P1 incident a month, impacting as much as 25% of the SAP end users and causing a 50% loss in productivity.

SAP Solution Value

- By using AppDynamics platform capabilities of dynamic baselining on SAP data alert setup becomes less burdensome and false alerts drop
- AppDynamics visibility across the business transactions and down to the code level in SAP reduces MTTR
- Code-level visibility allows for tuning to reduce hardware expenses

RESULTS

- Able to reduce business impact / revenue loss by reducing Production issues by 35% and time to remediate issues by 80%
- Had an 80% reduction in "poor performing application minutes" resulting in improved customer experience and revenue
- Net benefit from all improvements:
 \$600k/vear



Pirelli





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