

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 large, flowing, wavy shapes in similar colors, giving the overall impression of energy and movement.

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The bridge to possible

Optimizing SAP Success and Innovation with AppDynamics

Chevron's journey in building an observability practice a diverse SAP landscape with AppDynamics and Cisco full-stack observability

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Product Manager-Enterprise Monitoring, Chevron

BRKAPP-2019

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<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKAPP-2019>

Agenda

- Introduction
- How AppDynamics can help
- Chevron's Journey with AppDynamics
- New and Notable
- Q & A

Troubleshooting SAP applications can be Time consuming and Expensive

"...just one minute of downtime in a data center or critical application costs the average enterprise almost \$10,000 in 2019—and that figure has steadily increased over the past five years."

ASUG 2021 Modernizing SAP: The Secret to Avoiding the Startling Cost of Unplanned Downtime



Insufficient monitoring solutions

- Solution Manager is not a true APM solution
- Inability to instrument ABAP code and discover root cause
- Visibility into complex SAP and integrated environments
- Cannot diagnose performance issues in SAPGUI apps
- Static alerting with no baselining



Unhelpful alert storms

- Lack of intelligent baselining for problem identification creates unnecessary noise
- Slow remediation results in costly war rooms



No business context

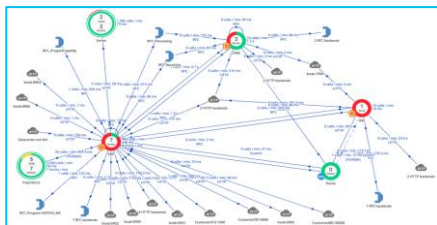
- Inability to correlate performance problems to user experience
- Inability to prioritize issues by importance to business

Observing SAP with AppDynamics

AppDynamics Performance Monitoring for SAP Solutions

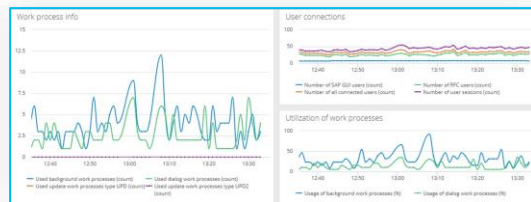
AppDynamics for SAP delivers...

System Insights



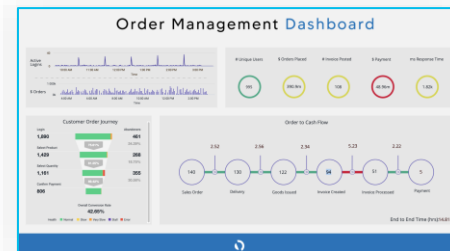
- Auto-generate, real-time Flow Maps
- View SAP and non-SAP components in a single view
- Easily Visualize Bottlenecks
- ...and more

Visibility to SAP Transactions



- Out of the box dashboards for HANA
- Background Jobs, Database, RFC, Lock Statistics
- Right-size server deployments and overall capacity needs
- ...and more

Business Outcomes via BiQ



- Business Transactions provide end-to-end application context
- Metrics relevant for key business scenarios
- Proactive alerts on business metrics
- ...and more



Available on the
SAP App Center

- SAP certification for ABAP add-on
- Successful SAP Security and Vulnerability Code Scan
- Certified for both ECC and S/4 HANA

SAP® Certified
Integration with SAP NetWeaver®



SAP® Certified
Integration with SAP S/4HANA®



Unified visibility into the entire enterprise technology stack

Digital Experience



Browser Real-User Monitoring



Mobile Real-User Monitoring



Browser Synthetic Monitoring



Internet of Things (IoT)

App & Business



Microsoft
.NET



Infrastructure



Server Visibility



Database Visibility



Mainframe

Network



Network Visibility



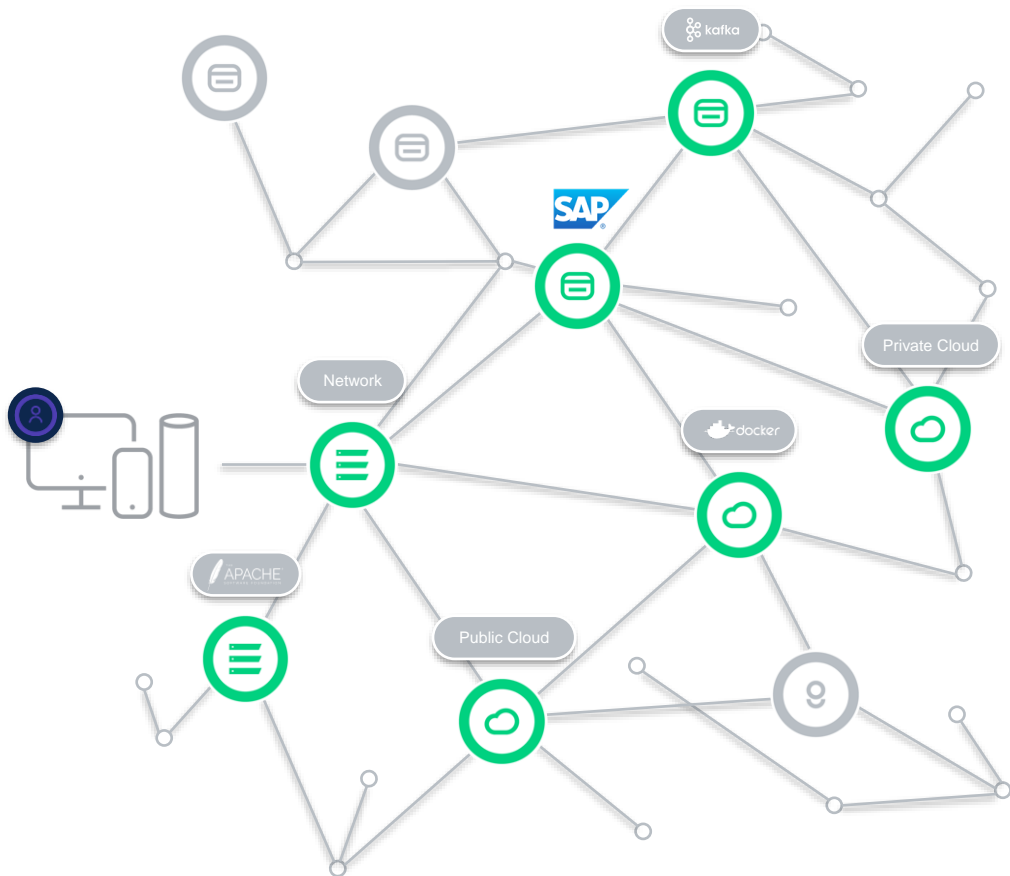
Multi-cloud





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

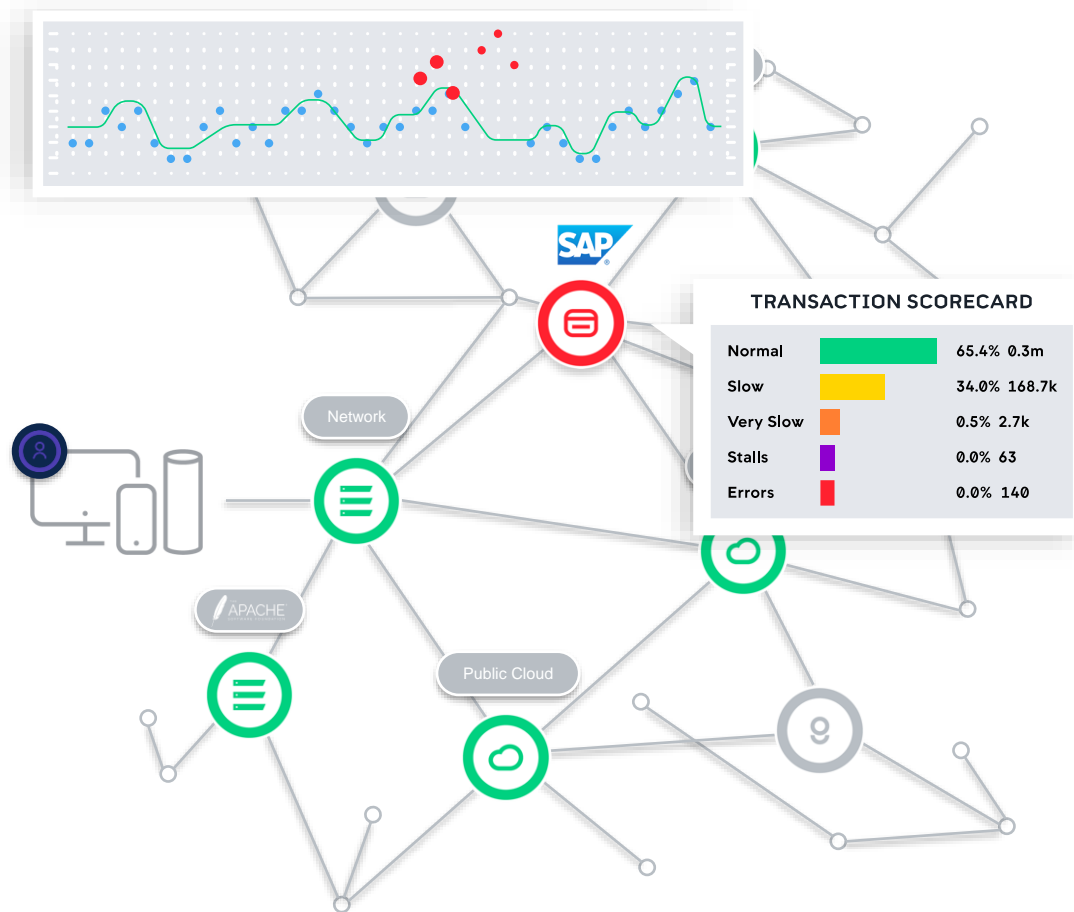
- Real-time mapping of transactions across distributed and SAP systems
- Understand upstream service dependencies and consumers of SAP
- End-to-end visibility into SAP systems, down to ABAP code





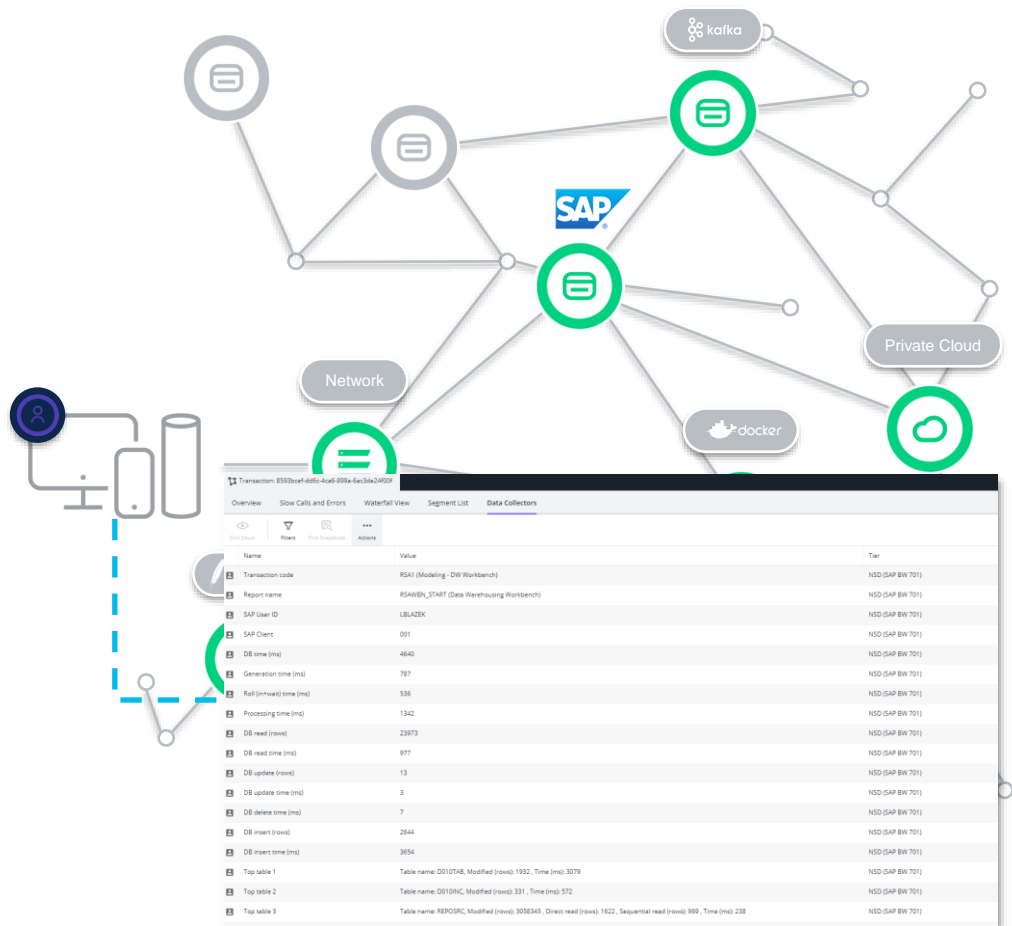
Dynamic baselines tell you what's normal, with real-time scorecards alerting you when things go wrong

- 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

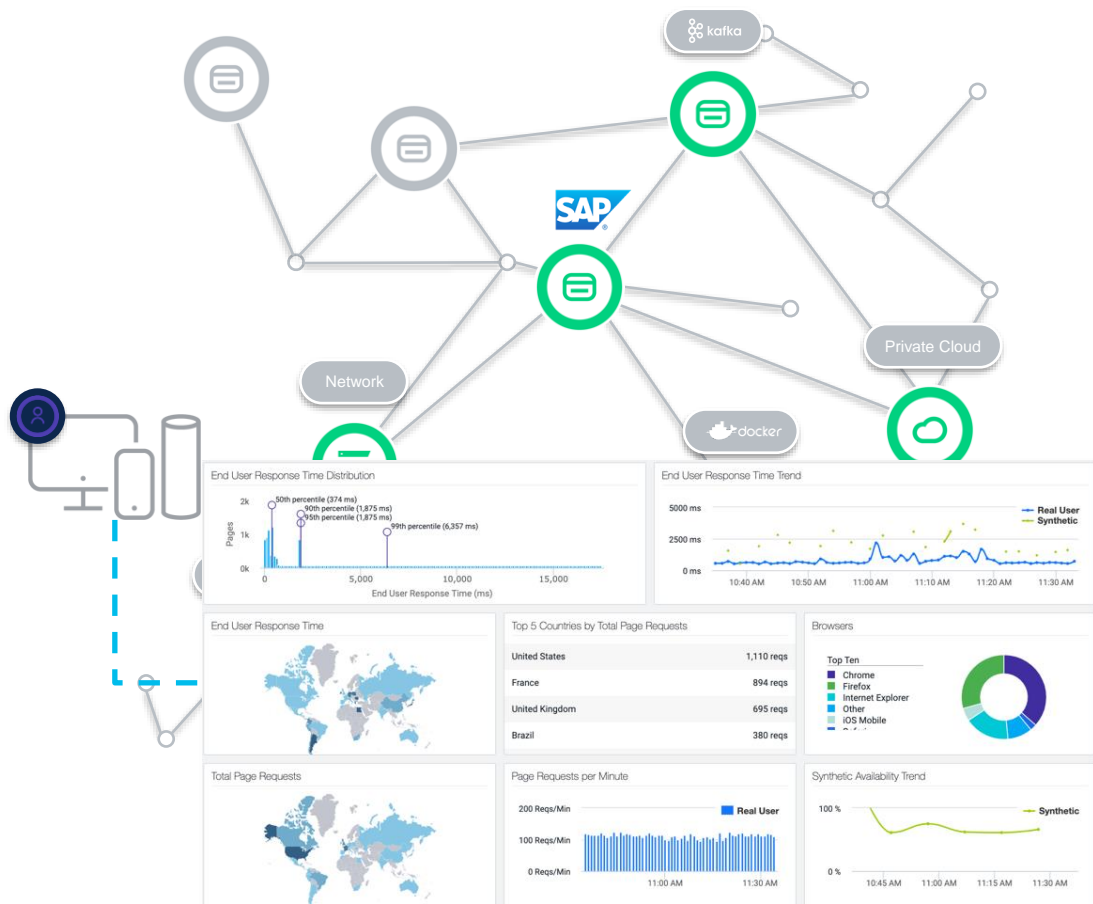
- SAP transactions end-to-end visibility
- Detailed info on a single user transaction
 - Show the button clicked in the GUI
 - Database tables written to, and how many rows modified
 - Show outgoing RFC calls from ABAP
 - Show outgoing HTTP calls from ABAP





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



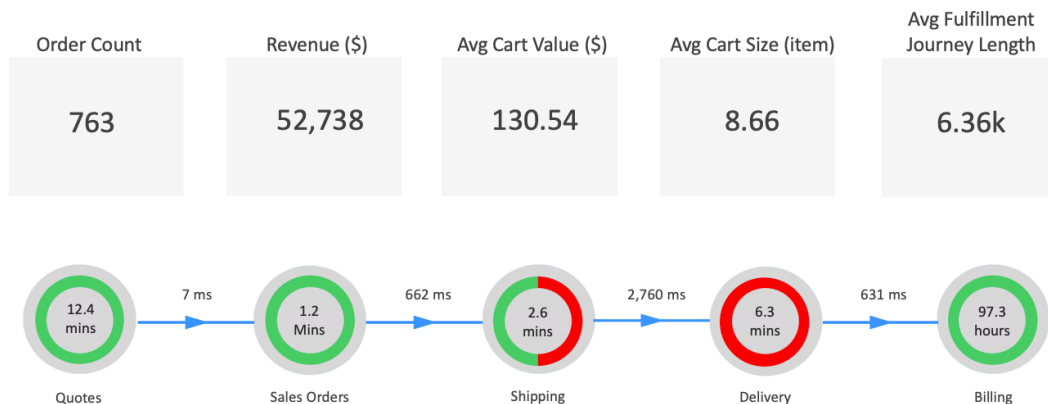


Real Time Business Intelligence

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



Order to Cash Business Journey



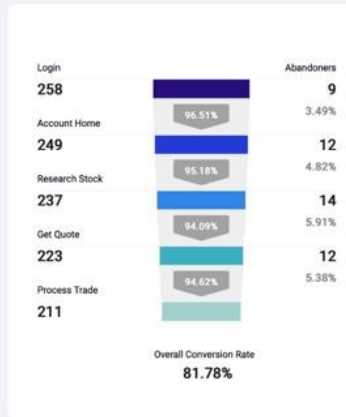
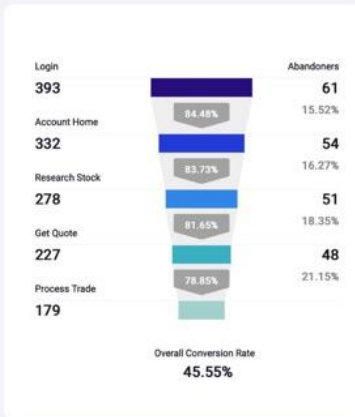


Speed up cloud migration and S/4HANA adoption

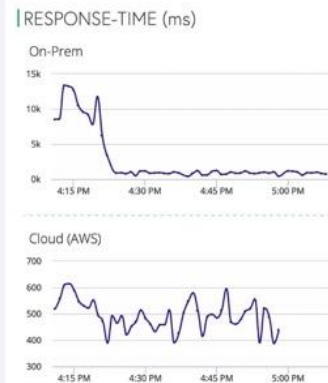
- Plan migrations more effectively
- Measure post-migration results

PRE AND POST CLOUD MIGRATION

KPIs	TRADE VOLUME	% USER TRADING	PERFORMANCE
PRE-MIGRATION	412	47.83	5,839 ms
MIGRATION (TRIAL)	1,133	84.82	545 ms



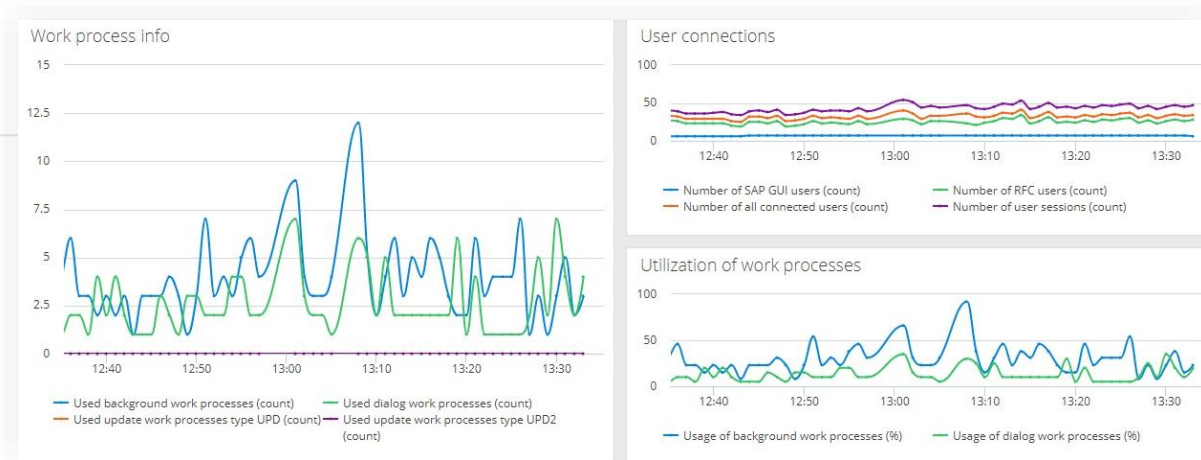
TRADE COMMISSIONS \$
29.63k
Trade Commissions (\$)





Out of the box dashboards help visualize the data

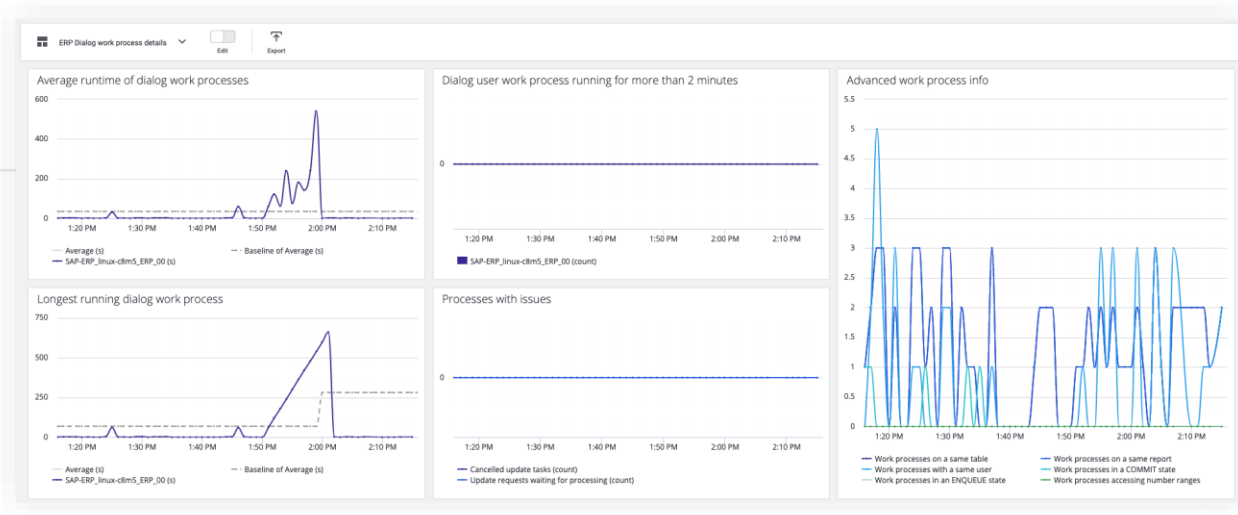
Out of the box dashboards for HANA, Background Jobs, Database, BW, PI, App Servers, RFC, SAP Connect, Lock Statistics, System Changes, Work Processes & Users, and more.





Out of the box dashboards help visualize the data

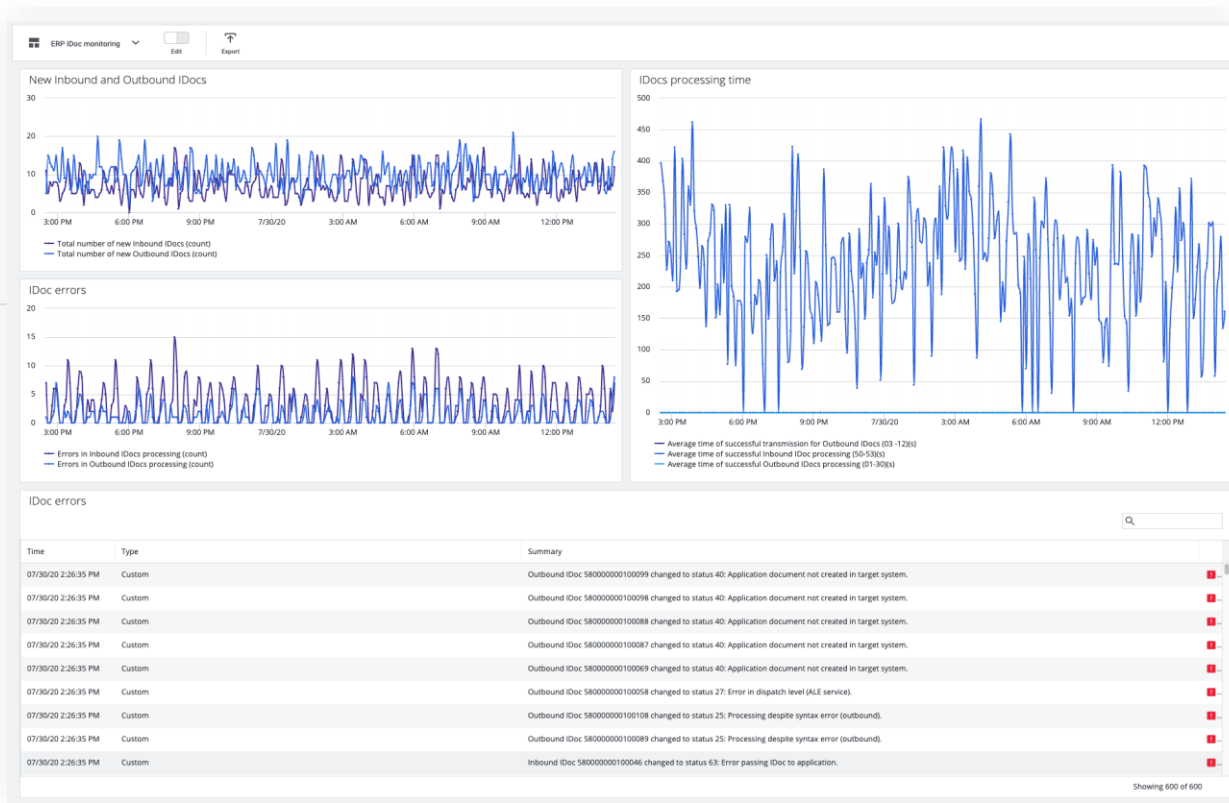
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Out of the box dashboards help visualize the data

Out of the box dashboards for HANA, Background Jobs, Database, BW, PI, App Servers, RFC, SAP Connect, Lock Statistics, System Changes, Work Processes & Users, and more.





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We're leaders in energy because we value responsibility, trust and integrity. This unwavering dedication to quality drives our company culture and will keep us ahead for years to come.



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San Ramon, CA



43,846 Employees



Active in 180+ countries
worldwide



140+ years
of human ingenuity



On track for 2023
renewable fuels
target



Our purpose is to develop
the affordable, reliable,
ever-cleaner energy that
enables human progress



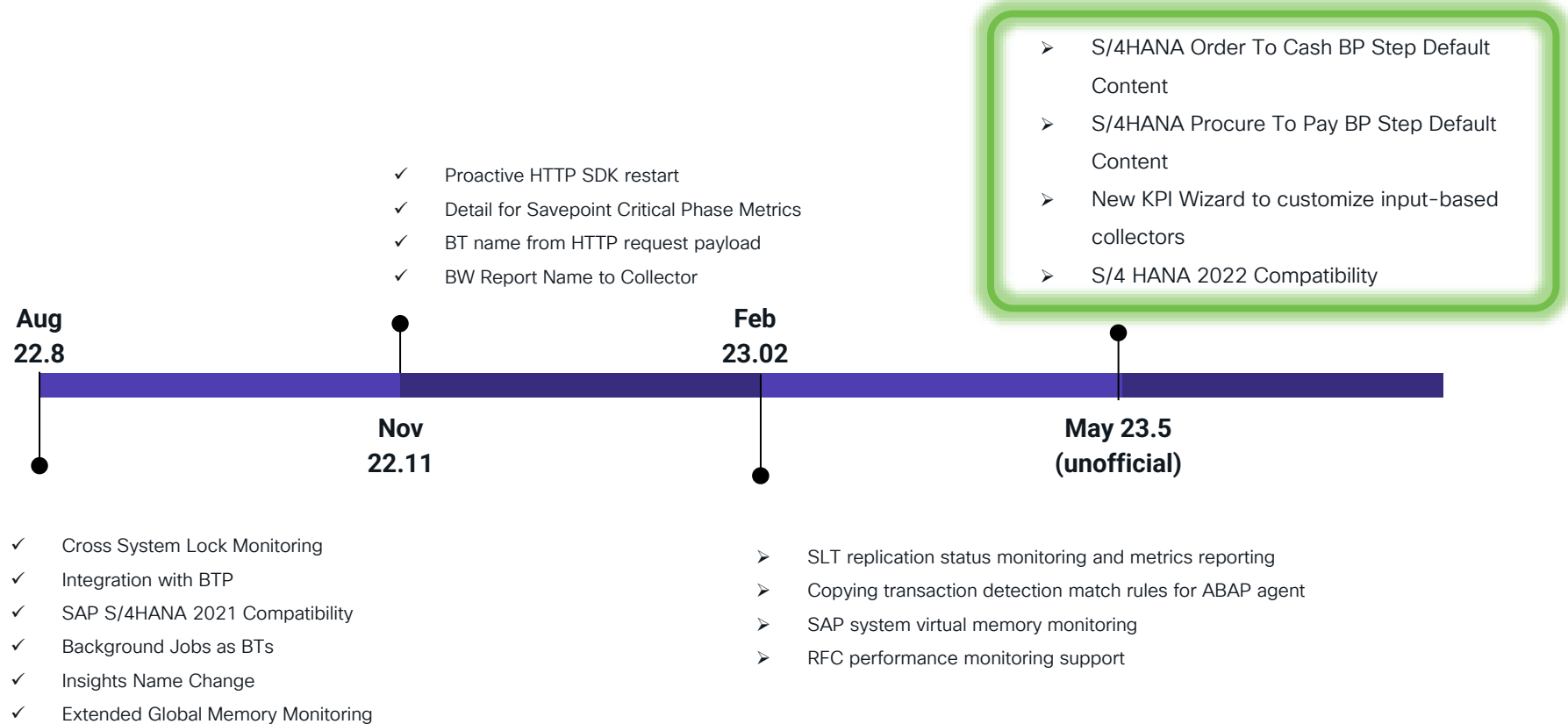
Our vision is to be the
global energy company
most admired for its
people, partnership and
performance

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New and Notable



SAP timeline of Product updates & roadmap



SLT replication

Monitor SLT replication status and report on different system metrics.

Support migration efforts to S/4 by keeping old ECC landscapes until fully transitioned.

Proactively detect replication issues and alert on delays that impacts financial reporting.

OOTB Dashboard

tracks replication status and reports on metrics such as total number of conversions, failures, lag, etc. with alerting capabilities

SAP LT Replication Server - Cockpit: Overview

Enter Mass Transfer ID or select it from the table

Mass Transfer ID:

Activate Deactivate

Status	Current Action	Mass Transfer	Configuration Name	Description	Scenario	Source System	Target System
Running		002	ATLAS_RPV_PFG_PFI	ATLAS ECC RPV to CFIN S/4HANA	Standard Replication	RFC Connection	RFC Connection
Running		003	BEACON_RP1_PFG_PFI	BEACON ECC to CFIN S/4HANA	Standard Replication	RFC Connection	RFC Connection
Running		004	BTBLATAM_RPG_PFG_PFI	BTB LATAM ECC to CFIN S/4 HANA	Standard Replication	RFC Connection	RFC Connection
Running		005	BTBNA_P50_PFG_PFI	BTBNA ECC CFIN to S/4HANA	Standard Replication	RFC Connection	RFC Connection
Running		006	CFINSLT	CFIN S/4HANA PFI to CFIN BW/4HANA PFB	Standard Replication	RFC Connection	Database Connection - S
Running		006	EUROPE2_RPF_PFG_PFI	EUROPE2 ECC to CFIN S/4HANA	Standard Replication	RFC Connection	RFC Connection
Running		007	GALAXY_RPM050_PFG_PFI	GALAXY ECC RPM-050 to CFIN S/4HANA	Standard Replication	RFC Connection	RFC Connection
Running		008	GALAXY_RPM232_PFG_PFI	GALAXY ECC RPM-232 to CFIN S/4HANA	Standard Replication	RFC Connection	RFC Connection
Running		001	LYNX_FP3_PFG_PFI	LYNX ECC to CFIN S/4HANA	Standard Replication	RFC Connection	RFC Connection
Running		009	PANDA_EP1_PFG_PFI	PANDA ECC to CFIN S/4HANA	Standard Replication	RFC Connection	RFC Connection
Running		00A	SUSTAIN_RPB_PFG_PFI	SUSTAIN ECC to CFIN S/4HANA	Standard Replication	RFC Connection	RFC Connection

SAP LT Replication Server - Cockpit: LYNX_FP3_PFG_PFI (001)

Administration Data Processing Steps Table Overview Data Transfer Monitor Application Logs Load Statistics Expert Functions

No. of Tables	Failed	In Process	Initial Load	Replication	LogTab	No LogTab	Trg. Active	No Trg. Act.
5				5	5		5	

View Errors Actions

Table Name in Database	Logging Table	Failed	In Process	Current Action	Tab. Cat.	Pool/Cluster	Log. Tab. Created	Trigger Status	Proxy Table	Tab. in Target Sys.	Syn. in Target Sys.
AUFK	/1CADMC/00700011			Replication	TRANSP	X	X	Activated	n/a	n/a	n/a
COST	/1CADMC/00700064			Replication	TRANSP	X	X	Activated	n/a	n/a	n/a
CFIN_ACCHD	/1CADMC/00700071			Replication	TRANSP	X	X	Activated	n/a	n/a	n/a
GLPCA	/1CADMC/00700151			Replication	TRANSP	X	X	Activated	n/a	n/a	n/a
COBK	/1CADMC/00700034			Replication	TRANSP	X	X	Activated	n/a	n/a	n/a

SAP View Unprocessed Logging Table Records

Table Name	Time stamp oldest record	Unproc. recs	Not found
AUFK		0	<input type="checkbox"/>
CFIN_ACCHD		0	<input type="checkbox"/>
COBK		0	<input type="checkbox"/>
COST		0	<input type="checkbox"/>
GLPCA		0	<input type="checkbox"/>

Copying transaction detection match rules for ABAP agent

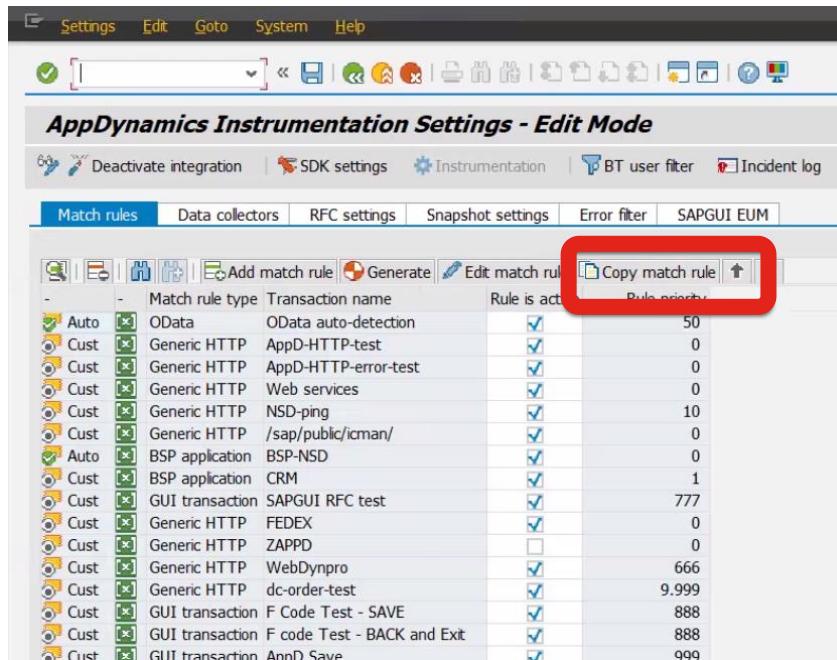
Ability to copy match rules to save time and effort, leading to standardization.

Reduce manual creation

of BT detection rules saving time and reducing tedious efforts.

Feature parity

with all other agents by having button in UI for the copy process.



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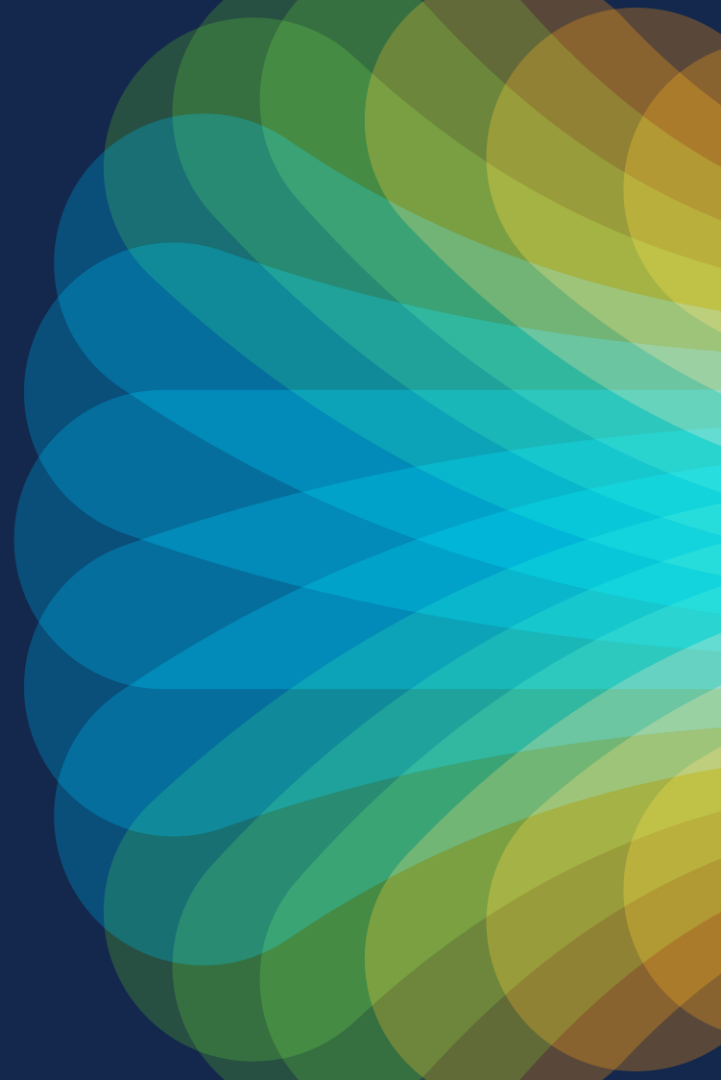


The bridge to possible

Thank you

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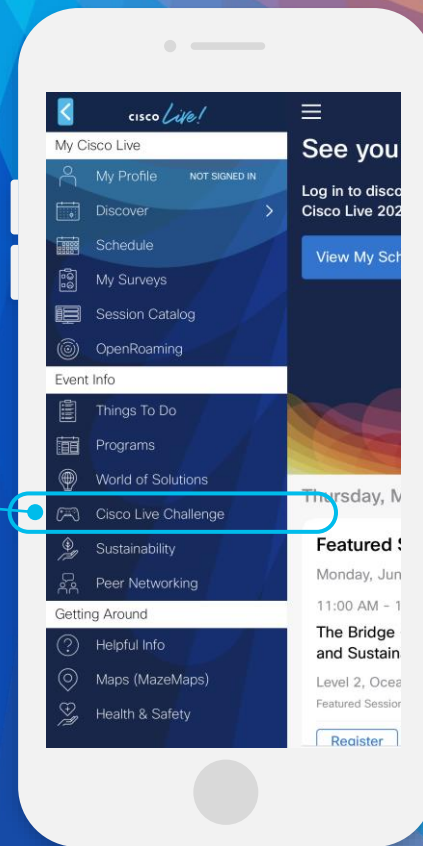


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