

# Next Gen SAP Risk Management

Modernizing and automating your control performance and monitoring

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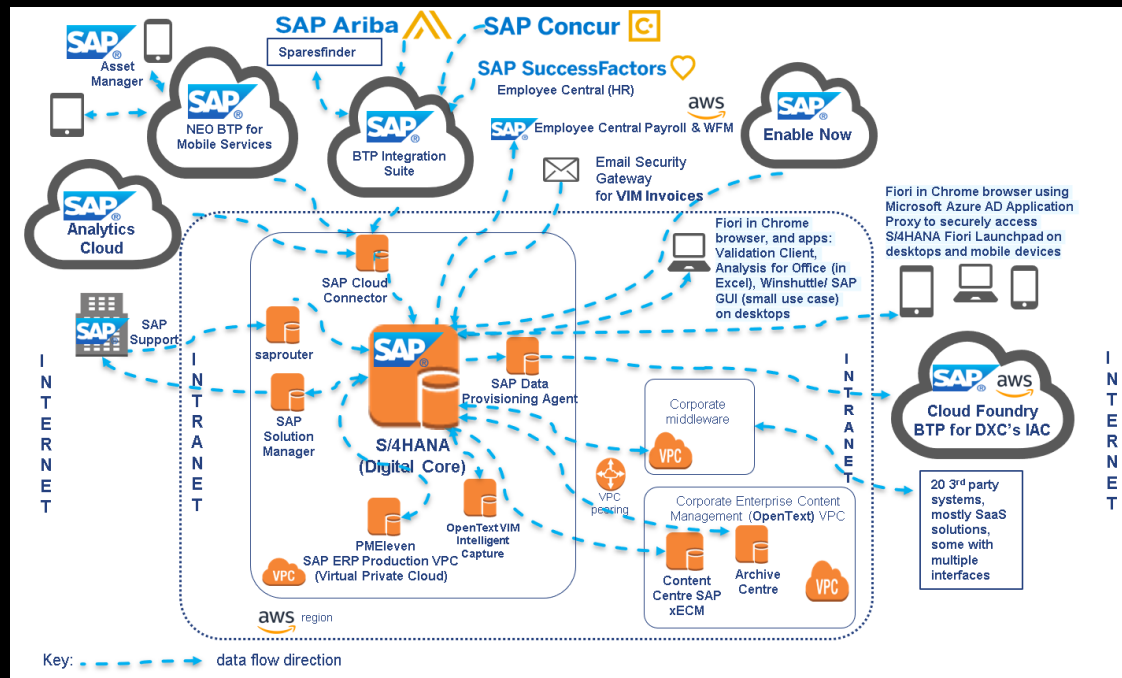
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2024

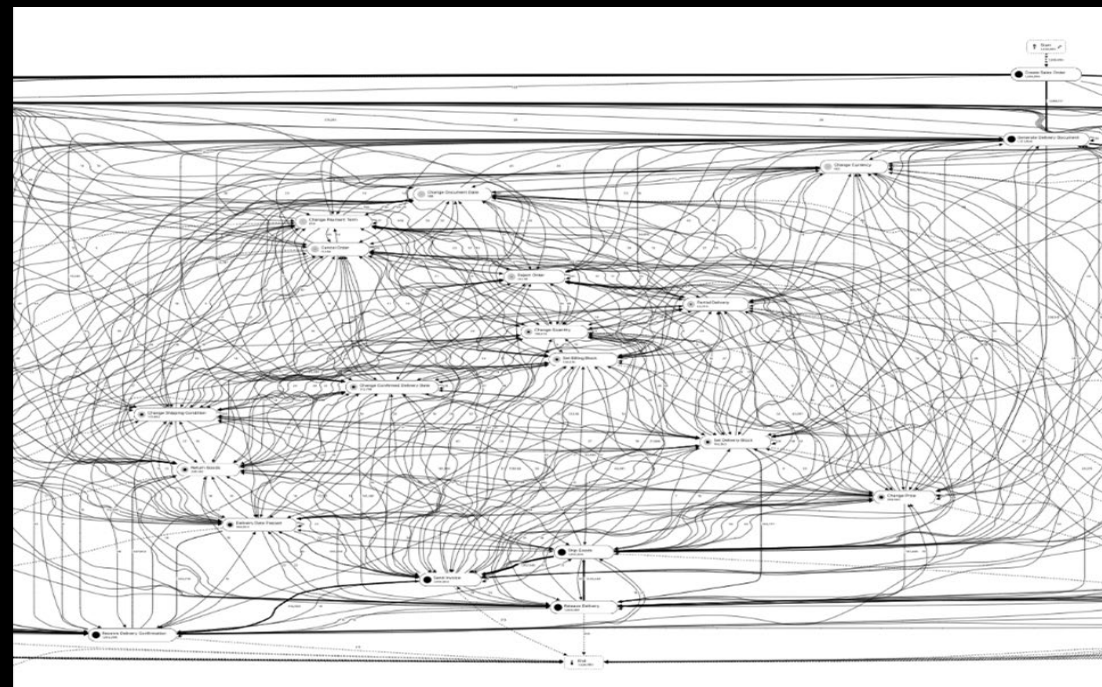
**SAP**insider

# Business and technology complexity makes risk detection slow, costly and ineffective

## Typical Application Landscape



## Actual Process Execution



Source: James Caston  
SAP Customer Engagement Manager

# ...Broken work gets in the way





# Defining business risk\*: Anything that gets in the way of meeting business objectives...

*\* Definition paraphrased, Source: Institute of Internal Auditors*

# Process Insights

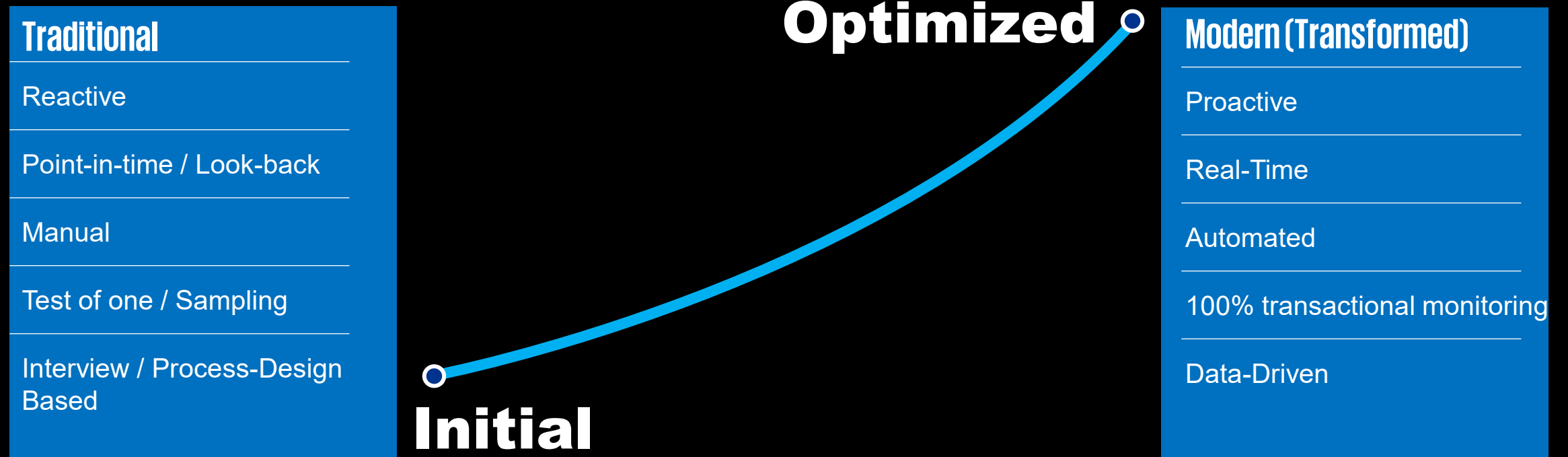
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**Accelerate the Modernization Journey**



# Process Insights

## Process Insights Accelerate the Transformation Journey

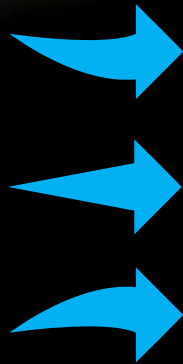








# Process Insights

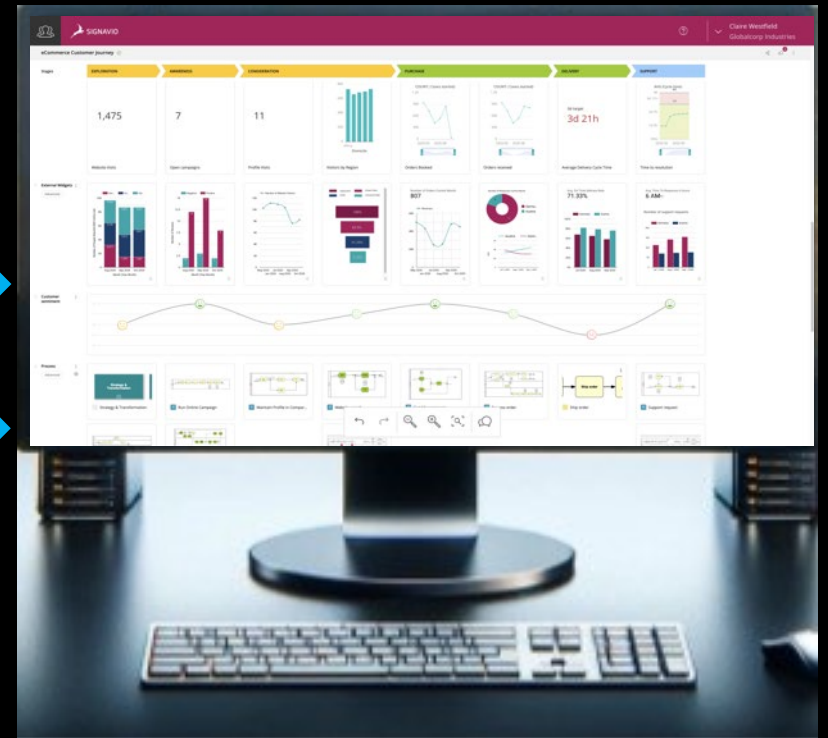
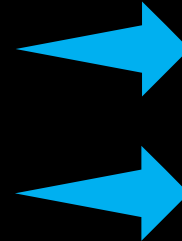
Evolving and optimizing your SAP security, controls and GRC environment

## TRADITIONAL PROCESS MINING DATA SOURCES



## Propriety Data KPMG Models

-  Procurement and Purchasing
-  Order Management
-  Supply Chain Logistics
-  Omnichannel Execution
-  Customer Service
-  Merchandising



# Process Insights



## **VISUALIZATION OF THE ACTUAL PROCESSES**

## **AI-POWERED ROOT CAUSE ANALYSIS & IMPROVEMENT**

## **PROCESS EFFICIENCY**

- AUTOMATION RATE
- THROUGHPUT TIME
- MANUAL WORKAROUNDS

## **PROCESS COMPLIANCE**

- CONFORMANCE
- DEVIATION ANALYSIS
- RISK POINTS
- CONTROL BREAKDOWNS

# How process insights support SAP risk and controls modernization

## Key Benefits

- 1. Continuous Risk and Control Monitoring** – Centralize controls testing and monitoring across complex systems, providing real-time coverage of metrics and KPI's while highlighting potential risks.
- 2. Control Modernization** – Accelerate control automation and orchestration across an organization to improve control design and effectiveness, and reduce the cost of compliance
- 3. Proactive Risk Prevention** – Proactively detect and prevent risk and potential compliance issues, i.e. missing approvals, duplicate payments and maverick buying.

01

### X-ray risk ("Find")

Find risk and control breakdowns

02

### Quantify risk ("Frame")

Frame impact of what's broken

03

### Remediate risk ("FIX")

Initiate automation triggers

100%

Of sample  
population tested via  
continuous controls  
monitoring



# Integrated view of process, controls and security – BPM / Process Mining



Process Intelligence

Process Collaboration Hub



## 02.03.04 Check Credit Availability

The process of checking the customer credit limit based on the customer order.



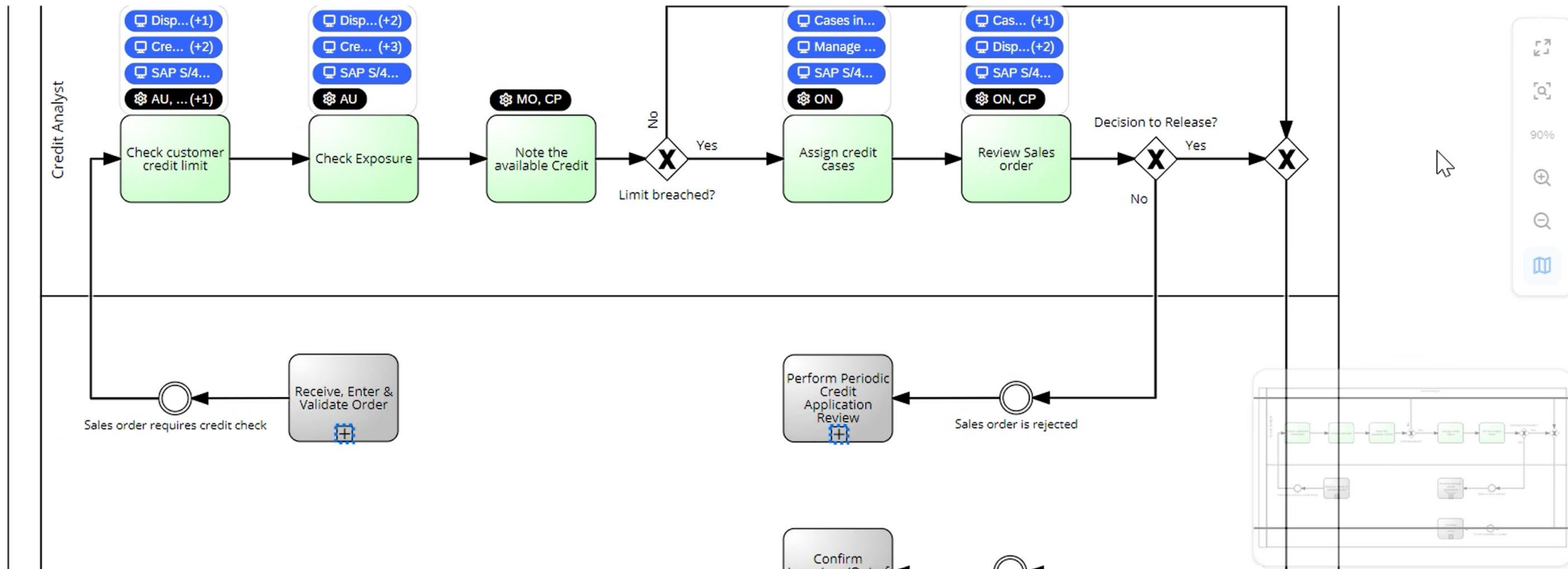
### Diagram

No comments

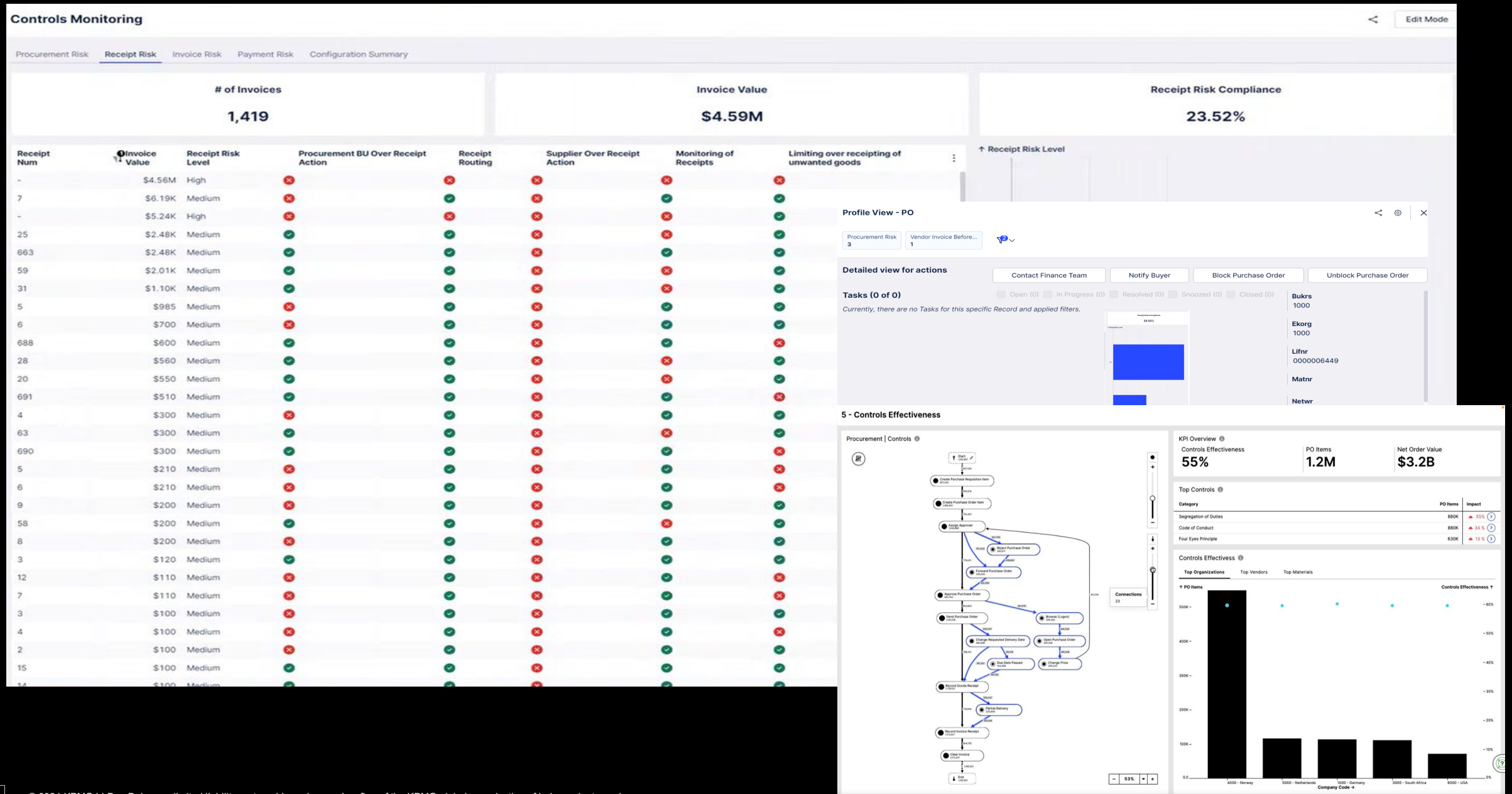
View (Full) ▾

Overlays (4/7 visible) ▾

Legend ▾



# Continuous Control Monitoring – Process Mining Dashboard



# KPMG ERP Analytics Platform – IT General Controls Monitoring for SAP



## Summary

This page summarizes key system statistics and risk indicators. Click through KRIs to view supporting detail.

Analysis from date 2020-01-01

Analysis to date 2021-03-10

Effective

Not Effective

Requires Evaluation

Scope

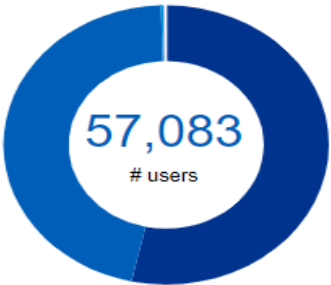


## System Statistics

### User by type

#### User type

- Dialog user (regular) - A
- Reference user (dialog ...
- System user (dialog no...
- Service (dialog possibl...
- Communication user (d...



### Access Provisioning

447,131

# profile assignments

485,156

# role assignments

32017

# user accounts created

30,920

# user Type Changes (A or S)

### System Changes

1

# client opened

5383

# transports

0

# transports applied directly to production

0

duration of open client (hrs)

### Firefighters

60

# firefighters

4

# firefighters with last logins in period

0

# activities performed by firefighters

## Key Risk Indicators

### Privileged Access

Out of period

0

Last logins by SAP\* and DDIC accounts

0

# dialog users currently assigned privileged profiles

7

# dialog users with debug access

16K

# dialog users with sensitive IT access

### Change Management

No

Client settings changed

11

# users with developer keys in production

### Segregation of Duties

29

# dialog users can develop and unlock the client

1

# transports made with SoD conflicts

### Logging

Effective

Table logging parameters

Not Effective

Audit logging parameters

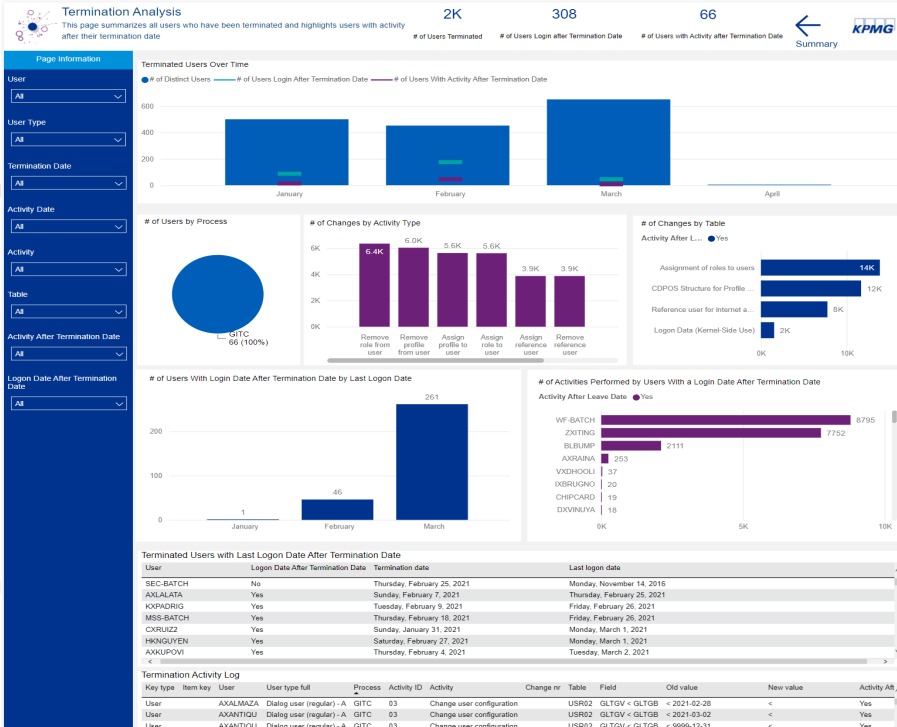
### Passwords

1

# of system delivered accounts with users unlocked at download date

0

# valid dialog accounts with weak password hash



### Password parameters

### Profiles





Please scan QR code to setup a demo.





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