



SAP
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Predict and respond to real-time risk and financial impacts
with SAP Cloud Platform and EY Risk Navigator
Ernst & Young LLP

THE BEST RUN



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“Quote”

“At EY, the teams strive to provide leading-edge, technology-enabled solutions and help clients improve the value of their technology investments.

EY Risk Navigator helps organizations to achieve mature and trusted risk management processes through Fiori-powered dashboards and advanced analytics run on the SAP Cloud Platform. EY clients are supported to ask the better question, and find the better answer.

EY Risk Navigator is a perfect example of an innovative solution made possible through the SAP alliance. The better the question. The better the answer. The better the world works.”

Ben Zimmerman, Principal, SAP Risk Advisory practice, Advisory Services, Ernst & Young LLP

Challenge

Clients are struggling with balancing the increasing cost of compliance while also embracing upside risks and disruption with confidence. Complex IT environments lead to fragmented views of controls and manual workarounds.

Solution

EY Risk Navigator Cloud Analytics allows organizations to rapidly deploy robust risk monitoring capabilities that support mature risk management processes and drive value for the business.

Outcome

Business outcomes are supported through risk insights to allow informed strategic decisions in pace with business changes. This provides increased audit readiness, system tracking of financial metrics, continuous monitoring of control issues, and one consistent view of risk across the organization.

Rapidly identifies root causes and provides data-driven insights the day of implementation.

Accessible to all parties (e.g., CIO, CISO, controller and business stakeholders) to facilitate common, factual discussions on risk, financials and controls.

Business process analytics allow clients to resolve systematic control and role design issues.



Partner Information

Ernst & Young LLP

Ben Zimmerman, Principal, SAP Risk Advisory practice



EY is a global leader in assurance, tax, transaction and advisory services. The insights and quality services we deliver help build trust and confidence in the capital markets and in economies the world over. In a world of unprecedented change, EY Advisory believes a better working world means helping clients solve big, complex industry issues and capitalize on opportunities to grow, optimize and protect their businesses. EY Advisory works with clients — from strategy through execution — to help them design better outcomes and realize long-lasting results.

Ernst & Young LLP is a client-serving member firm of Ernst & Young Global Limited operating in the US.

The better the question. The better the answer. The better the world works.





Business Challenge & Objectives

Disruption is a strategic imperative for every organization in the Transformative Age. Nearly every industry globally is experiencing some form of digital disruption, and organizations are under more pressure than ever before to modernize their business, streamline operations and protect their systems. This rapid pace of disruption brings on new risks and demands a different way of thinking. Companies need to not only understand the changing risk environment, but risk management of tomorrow must enable confident decision-making to maximize growth, increase business value and maintain trust. Trust is now the competitive differentiator in this complex and evolving landscape.

EY Advisory developed EY Risk Navigator Cloud Analytics to help companies better manage risk on their systems using SAP. EY Risk Navigator is an EY SAP co-innovation that combines EY intellectual property and SAP® Cloud Platform to help organizations to make strategic risk-informed decisions to keep pace with their business changes. This is achieved through:

- Increased audit readiness
- System tracking of financial metrics
- Continuous monitoring of control issues
- One consistent view of risk across the organization



Project / Use Case Details

EY Risk Navigator Cloud Analytics is a powerful set of Fiori dashboards that were developed to give companies an enhanced view of their risk. SAP's Cloud Platform and SDI (Smart Data Integration) technology enable EY Risk Navigator Cloud Analytics to pull data from over 100 different SAP tables, across multiple landscapes. Data is then analyzed for different trends and patterns over time and ultimately flags areas of risk based on leading-practice indicators created by EY.

Companies have greater mobility through use of the SAP Cloud Platform to monitor risks real time, anytime and anywhere, with Wi-Fi or cell phone access.

Features and value

- Data is pulled from more than 100 different SAP tables and from multiple SAP instances, including SAP ECC, SAP GRC and S/4HANA.
- Business and IT control dashboards are powered by SAP Fiori.
- Usage data analysis to help determine how to best remediate and resolve known access conflicts to identify where true violations occurred and the financial impact of each event.
- Executive-level dashboards over key financial metrics compared to company competitors.
- SAP SDI allows companies to customize their connection between SAP and EY Risk Navigator.
- SAP Cloud Platform enables users to access EY Risk Navigator from any laptop or mobile device with Wi-Fi or cell phone reception.
- Data is stored and maintained in SAP's data centers that provide 24x7 monitoring and protection, and 99.9% availability.

EY Risk Navigator delivers:



Deep insight into risks, controls and financials



... with near-real-time data ...



... that is accessible anywhere ...



... and provided through a managed service model.



KRI dashboards provide an overview of high-level metrics within business and IT processes that are typically monitored by leading companies.

EY

Over Access

Filters: ECC_EUR... | ANNUAL | 2016

Users with TCodes and Roles Assigned

Users with less than 25 Roles Assigned	Users with more than 25 Roles Assigned
2.7K	855

Selected Roles: 25

Update Roles vs TCodes Assigned

The scatter plot displays the distribution of roles and TCodes assigned to users. Most users have between 20 and 60 roles assigned and between 0 and 1,000 TCodes assigned. There is a notable outlier with over 100 roles and nearly 2,000 TCodes.

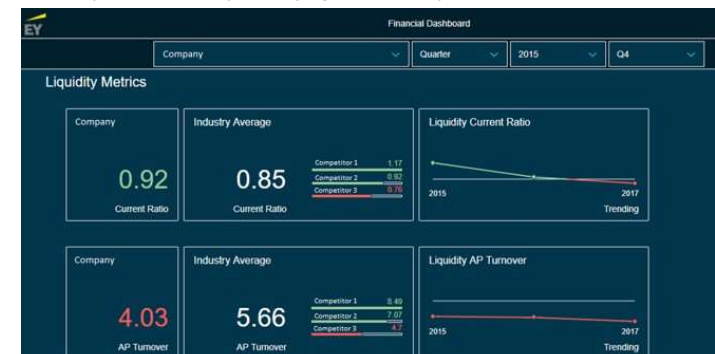
Users with less than 50 TCodes Assigned	Users with more than 50 TCodes Assigned
411	3.2K

Selected TCodes: 50

TCodes Stats

Total TCodes Assigned	TCodes Used
564	322

Executive-level dashboards help identify strategic performance compared to company competitors by identifying deltas in key financial metrics.





Benefits and Outcomes

Business / Social

EY is helping companies frame risk as an enabler to drive confident, risk-informed decisions to help maximize growth, increase business value and maintain trust. This is shifting risk from being seen as something that needs to be contained or mitigated. The solution provides a platform for the CIO, CISO, controller and business stakeholders to facilitate common, factual discussions on the state of controls before proliferation.

IT

New and emerging risks such as cybersecurity, globalization and technology shifts such as cloud computing are driving greater demand for better information and agility. A better working world driven by EY Risk Navigator means helping clients solve big, complex issues and capitalize on opportunities to improve and protect their businesses.

Human Empowerment

EY Risk Navigator helps give companies the visibility and insight needed to ask better questions and find better answers. Management now has real-time access to the state of its business and IT processes run on SAP, allowing compliance and business functions to move past a compliance-only mindset and begin to partner in advancing the organization's mission. Advanced analytics give stakeholders better information to make better business decisions. Increased efficiency of resource allocation is tilted toward more value-add activities to the business rather than compliance.

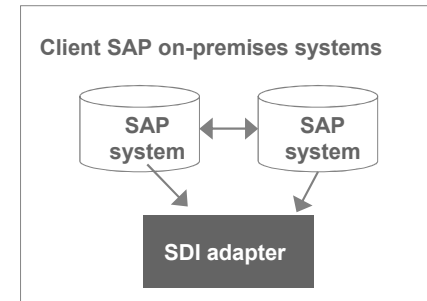
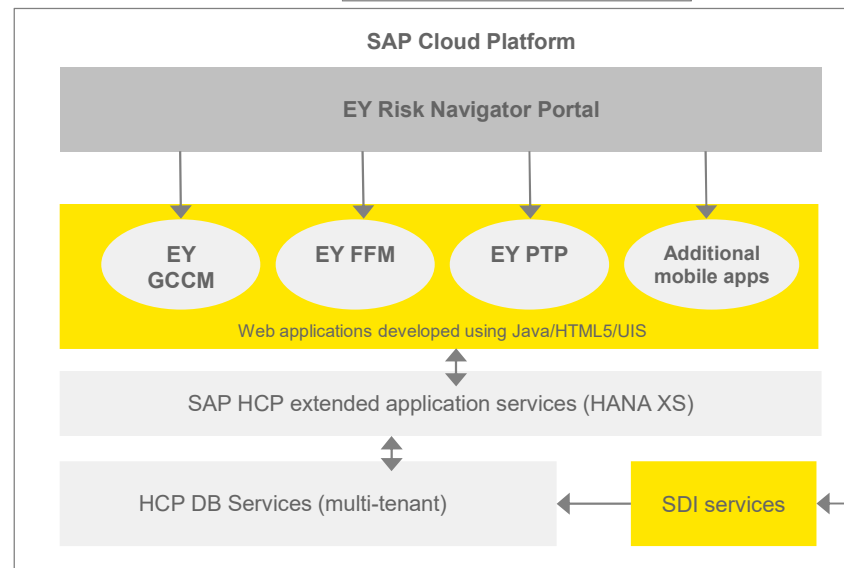


Architecture

Access to EY Risk Navigator is secured through SAP's authentication procedures.



Access EY Risk Navigator through mobile device is made possible with SAP Cloud Platform.



SAP SDI technology makes data transfer seamless and gives clients the ability to customize the interface between their systems and the EY Risk Navigator.



Deployment

Date of Deployment or POC: Q2, 2017 / Q3, 2017 / Q4, 2017 / Q1, 2018

Number of live users: 25

SAP Technologies Used:

SAP Cloud Platform	Live
SAP Fiori Dashboards	Live
SAP Smart Data Integration (SDI)	Live

Server Processor: N/A – SAP Cloud Platform

Linux Distribution: N/A – SAP Cloud Platform