SOUNK > forum

SEPTEMBER 13, 2017 | FINANCIAL SERVICES | CHICAGO

Financial Services – Common Goals

Helping customers realize their ambitions and succeed financially.

Grow the Business

Strike revenue growth by capitalizing on opportunities across all lines of business and geographies.

Reward Shareholders

Generate attractive and sustainable return for shareholders.

Streamline Processes

Reduce complexity and inefficiencies, releasing capital to be reinvested in other areas of the business.

Attract Top Talent

Be a workplace that attracts top talent and which collaboration achieves results.

Customer Driven

Make the financial lives better for customers, listening to what they want and delivering the solutions they need.

Source: Annual reports for leading banks such as HSBC, Bank of America, Santander Bank...

Overall FSI Digital Transformation



Big Data is central to these priorities and drivers*

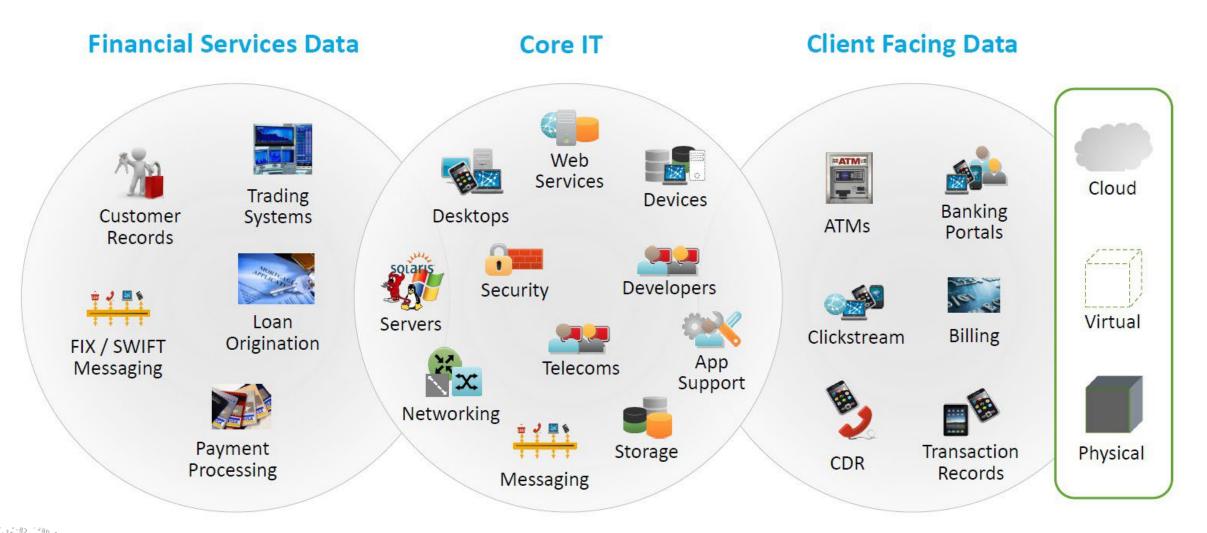
(* Source: Cap Gemini Consulting, 2016)

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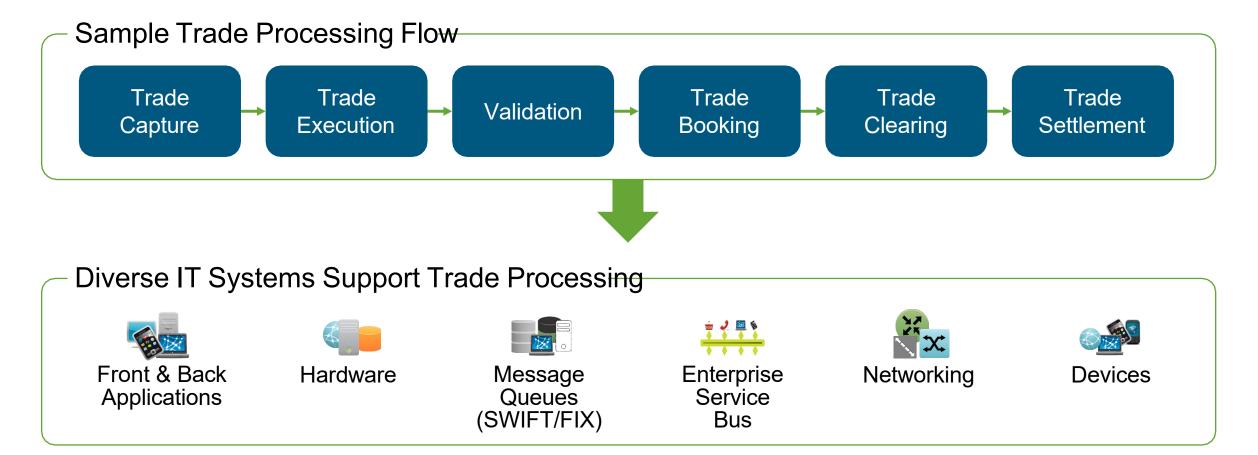




Diversity & Silos of Machine Data Creates a Challenge



FSI Processes & Services Use Data From Diverse Systems



Getting Visibility Across These Systems Is Challenging

Diverse IT Systems Support Trade Processing





Hardware



Message Queues (SWIFT/FIX)



Enterprise Service Bus



Networking



Devices

Search & Identify

Monitor Systems/Process

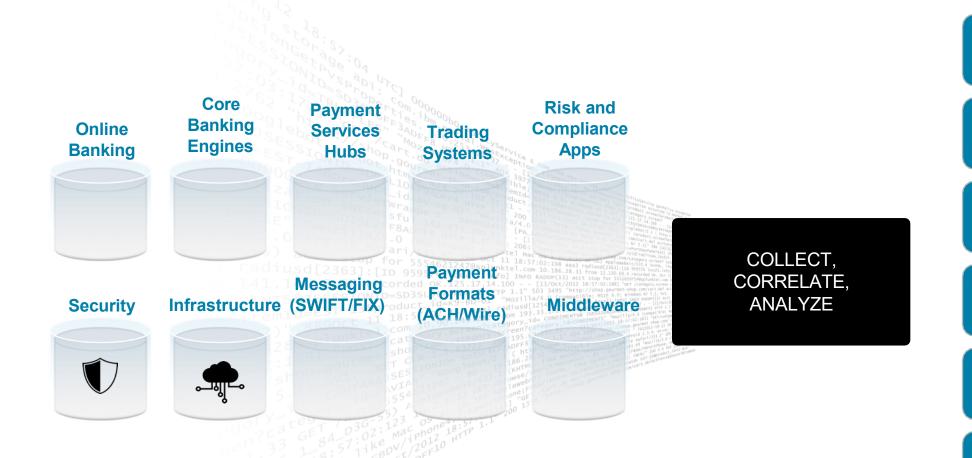


Get Business Insights



- What caused the delay in processing or settlement?
- Where are the transaction confirmation details?
- Does the user have access to the right data?
- How many transactions were processed?
- Can we prevent the problem from happening?
- How is the customer experience? Did we meet SLAs?

Gain Insights Across Financial Services Machine Data



Cyber Security

Regulation & Compliance

System Modernization,
Monitoring, & Infrastructure
Cost Reduction

Real-Time Payments

Advanced Analytics

Digital Technologies & Omnichannel

Emerging Technologies (e.g. Blockchain)

DuniCredit Payments: Business Process Monitoring

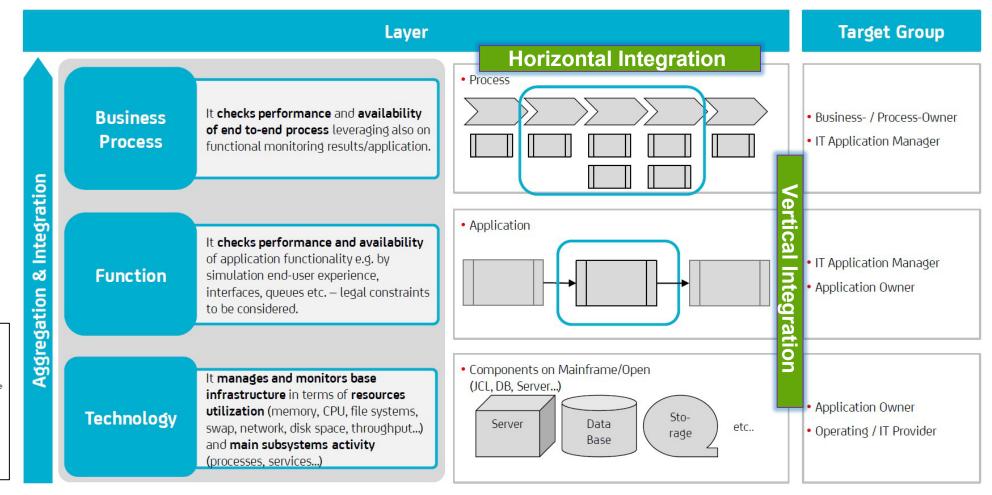
This example recognizes the value of monitoring the entire stack from technology to business process with a single platform.



Tuesday, September 27, 2016 10:30 AM-11:15 AM ndustries: Financial Services | Products: Splunk Enterprise Role: Splunk Technical Champion, Architect, Operations Manager Data Scientist/Analyst | Track: Splunk for Operational Intelligence | Session Focus: Business Analytics | Other Topics: Customer Success Story, customVisualizations

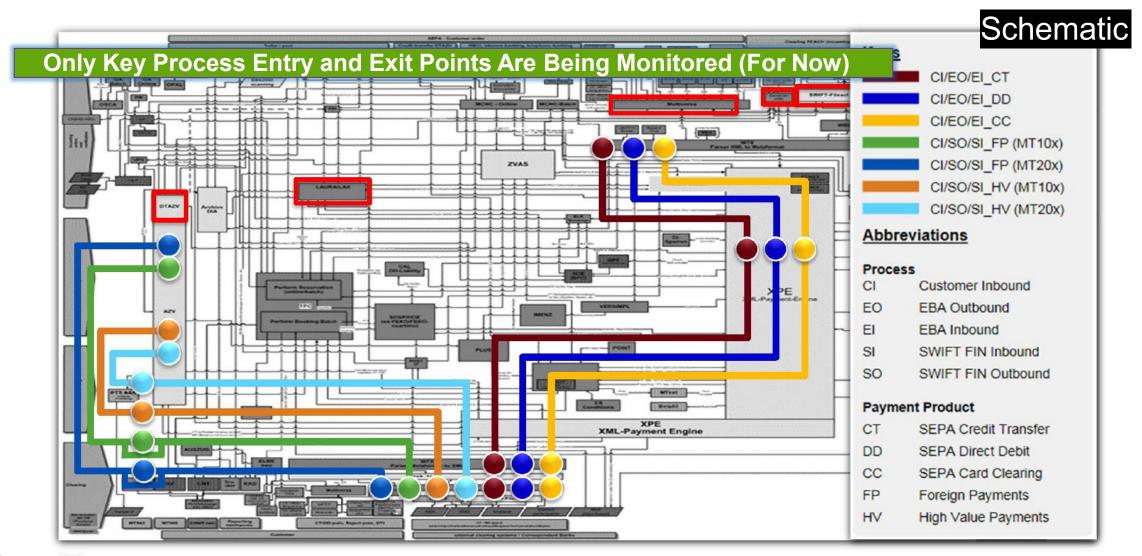
Markus Sprunck, Senior IT Architect, UniCredit Business Integrated

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Sunicredit Payments: Business Process Monitoring



Selected delivery systems, i.e. Multiversa, Swift-Fileact-Bank, European-Gate, DTAZV, LAURA

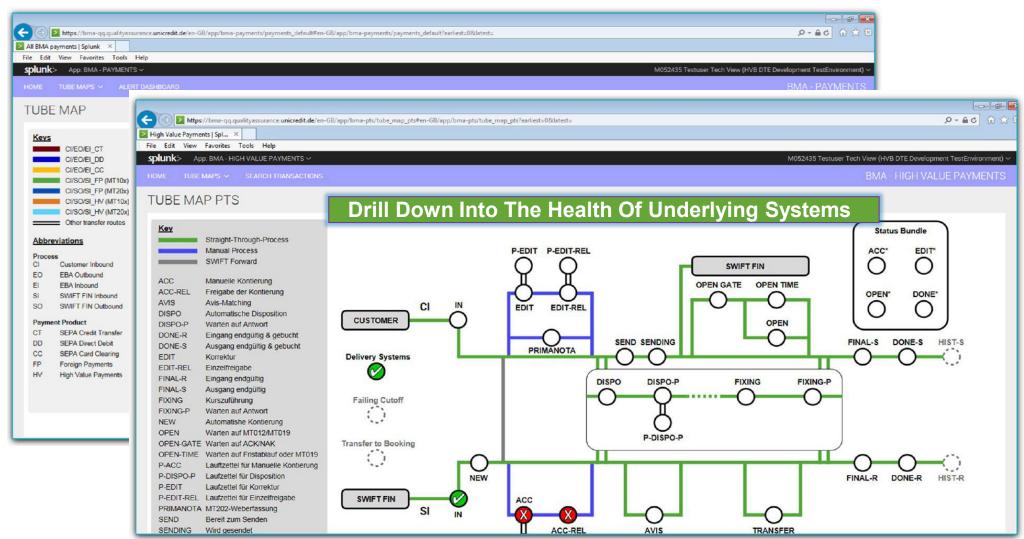
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OuniCredit Payments: Business Process Monitoring

The resulting glass tables capture key payment process points.

Any gateway can be clicked to drill down into the underlying process health and measures.

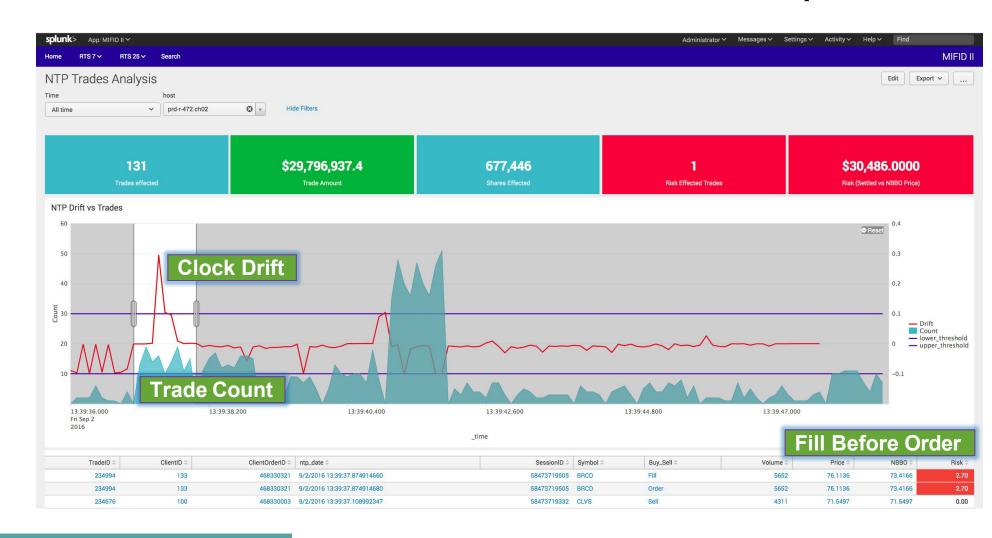
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Global Swiss Investment Bank

Regtech: Detect Anomalies For Non-Compliance

A Global Swiss investment bank prototyped a solution to address MiFID II's Regulatory Technical Standards (RTS) in days instead of weeks. It correlates clock data from application servers with trade execution data.



MiFID II: The clock is ticking for Financial Services

https://www.splunk.com/blog/2017/08/01/mifid-ii-the-clock-is-ticking-for-financial-services.html

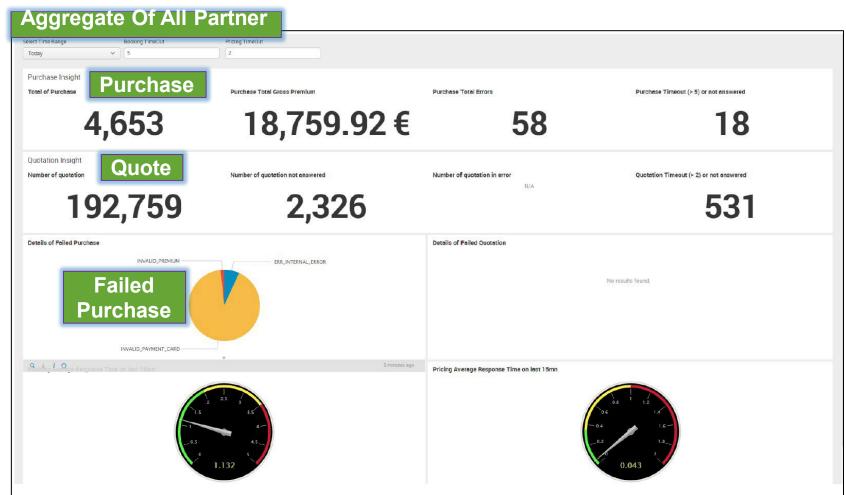


European Insurer

Insuretech: Monitoring Business Activities Generated By Partners With Disparate Systems

Real time monitoring of the business impact and SLA compliance of partner business transactions generated by disparate systems. Developed in a matter of days.







A Large UK Financial Institution

Tradetech: FX Trade Monitoring

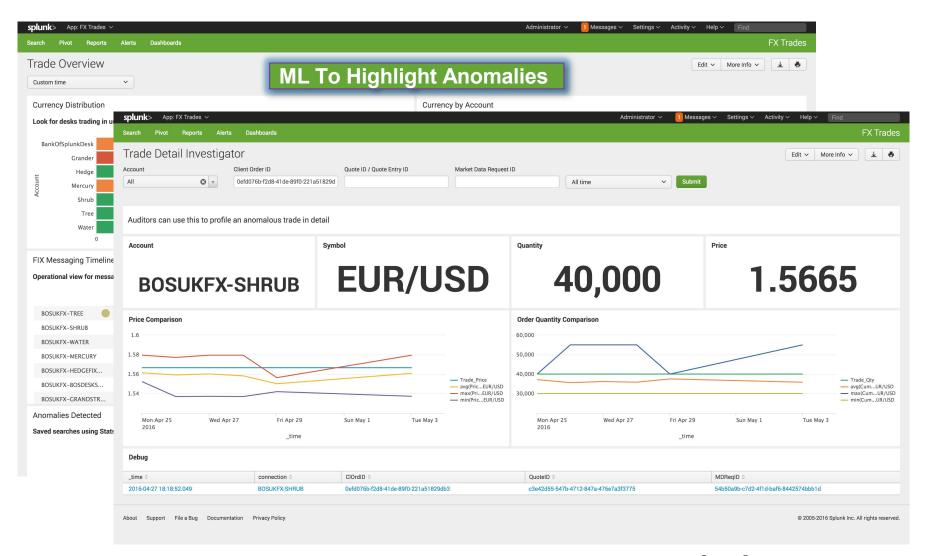
Transaction monitoring of FIX data for anomalies and unusual customer behavior in real time.



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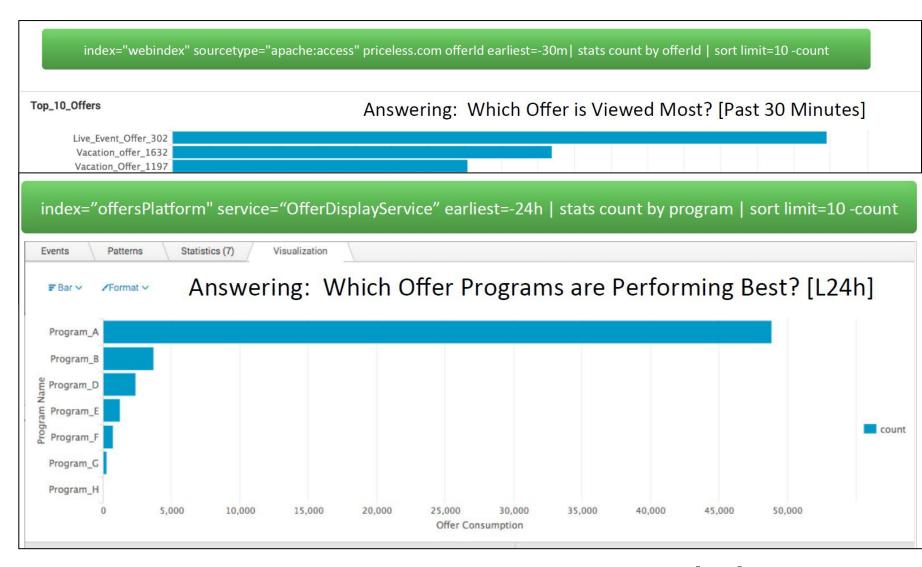


Marketing: Offer Monitoring

Offer and program popularity in the market through recent or even real-time analysis. This helps illustrate return on investment (ROI) for specific marketing campaigns.



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Large US Credit Union

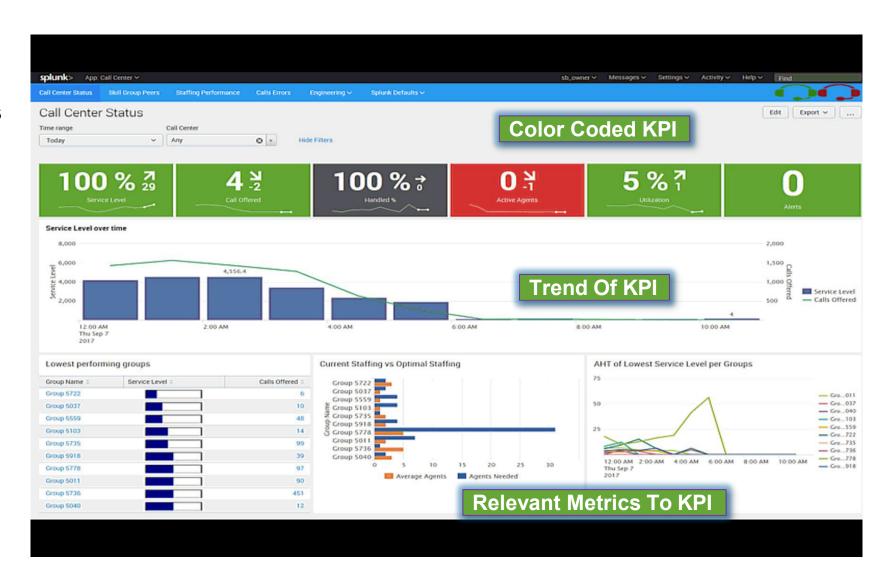
Operations: Call Center Monitoring

These dashboards are optimized for "one click" access to three tiers of information;

- The top level KPI color coded for severity
- The recent trend of that KPI
- The specific metrics that provide context around the value of that KPI.

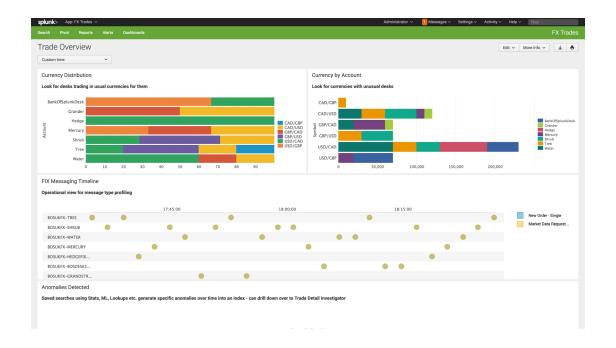
Clicking on any top tier KPI refreshes the sub panels without refreshing the page.

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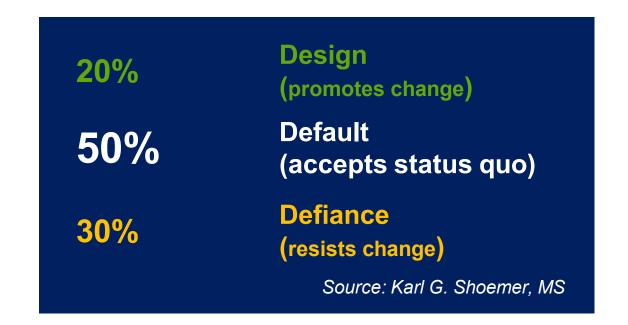
Summary

 The ability to analyze real time operations utilizing machine data opens a whole new set of innovation possibilities – Experiment and Fail Early



Summary

- The ability to analyze real time operations utilizing machine data opens a whole new set of innovation possibilities – Experiment and Fail Early
- Innovation requires change, and the impact of change on the organization can't be ignored





Continuous Data Ingest at Scale









Industrial Data SCADA, AMI, Meter Reads

Native Inputs

TCP, UDP, Logs, Scripts, Wire, Mobile

Modular Inputs

MOZILI SRVE02

MQTT, AMQP, COAP, REST, JMS

HTTP Event Collector

Token Authenticated Events

Technology Partnerships

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Kepware, AWS IoT, Cisco, Palo Alto

Engineers



Data **Analysts**



Security **Analysts**



Business Users









Alert



Visualize



Predict



Develop

Real Time

splunk>enterprise splunk>cloud



External Lookups/Enrichment



Asset Info



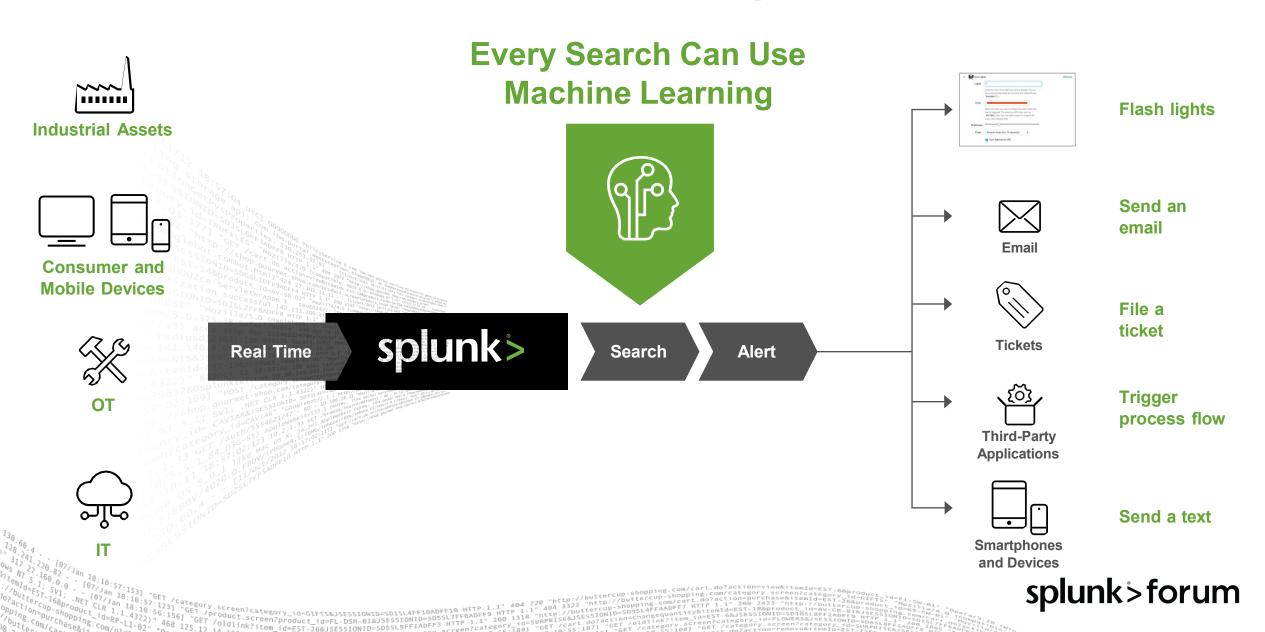
Maintenance Info



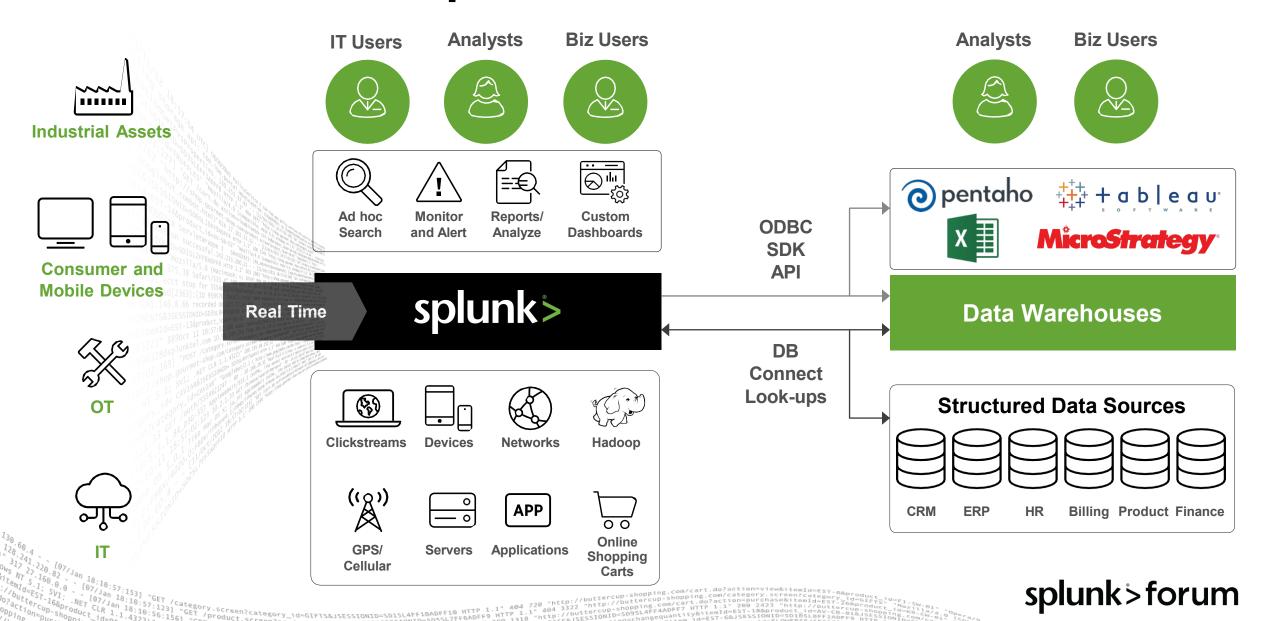
Data Stores



Sense and Respond



Splunk: Data Fabric



Partner Solutions: Transaction Analysis

Investigate and Analyze Transactional Behavior.









Qualitative Rule Engine Identify
Transaction
Paths

Uncover
Relationships
and
Relevancy

Part of a Solution Suite

SCIANTA ANALYTICS

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SEPTEMBER 13, 2017 | FINANCIAL SERVICES

Closing Remarks

Andrew Stein | Data Scientist & Business Analytics Practice, Splunk

Why Splunk?







ANY DATA, ANY SOURCE, ASK ANY QUESTION



VISIBILITY ACROSS STACK, NOT JUST SILOS



ONE PLATFORM, MULTIPLE USE CASES



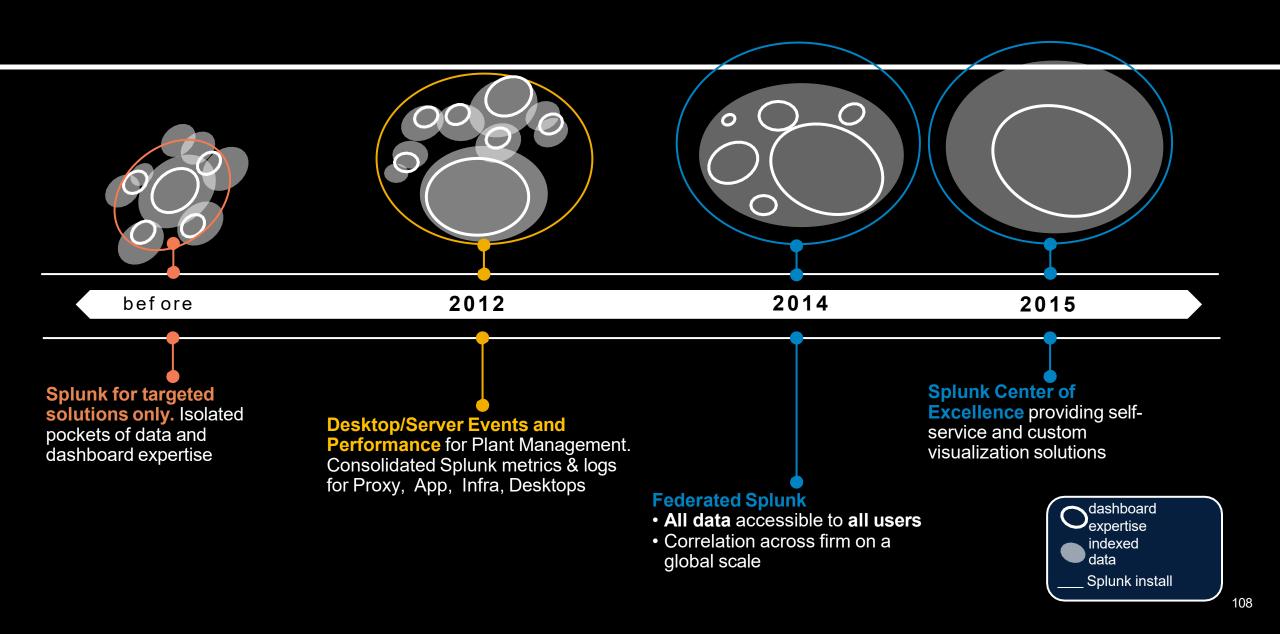
CLOUD, ON-PREMISE & HYBRID DEPLOYMENT



splunk>enterprise

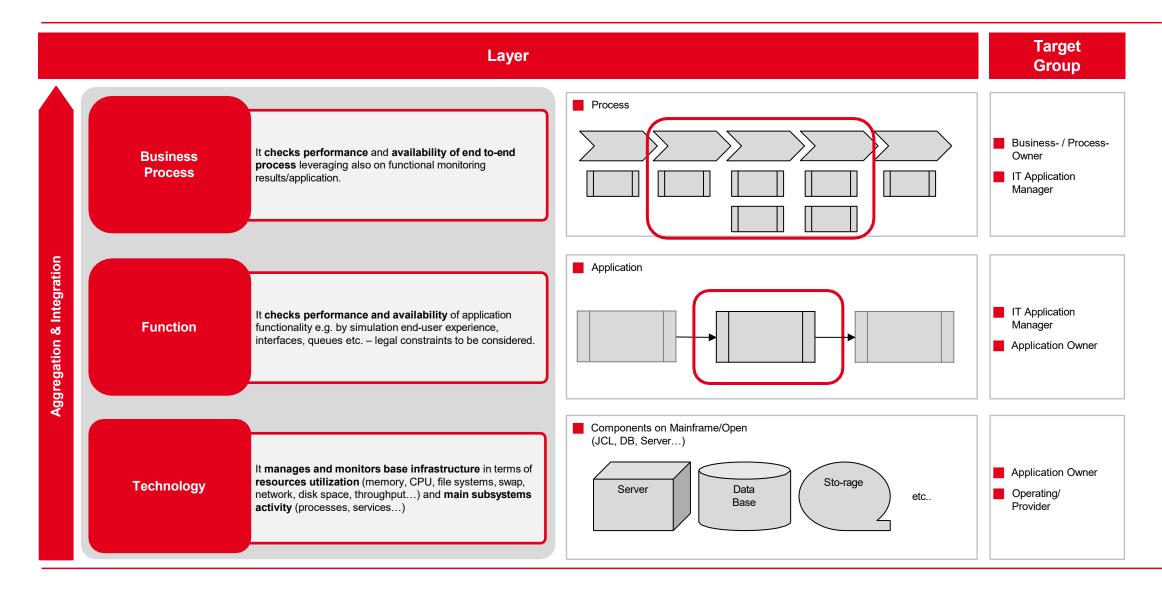
splunk>cloud

Evolution of Splunk at a Major Financial Institution

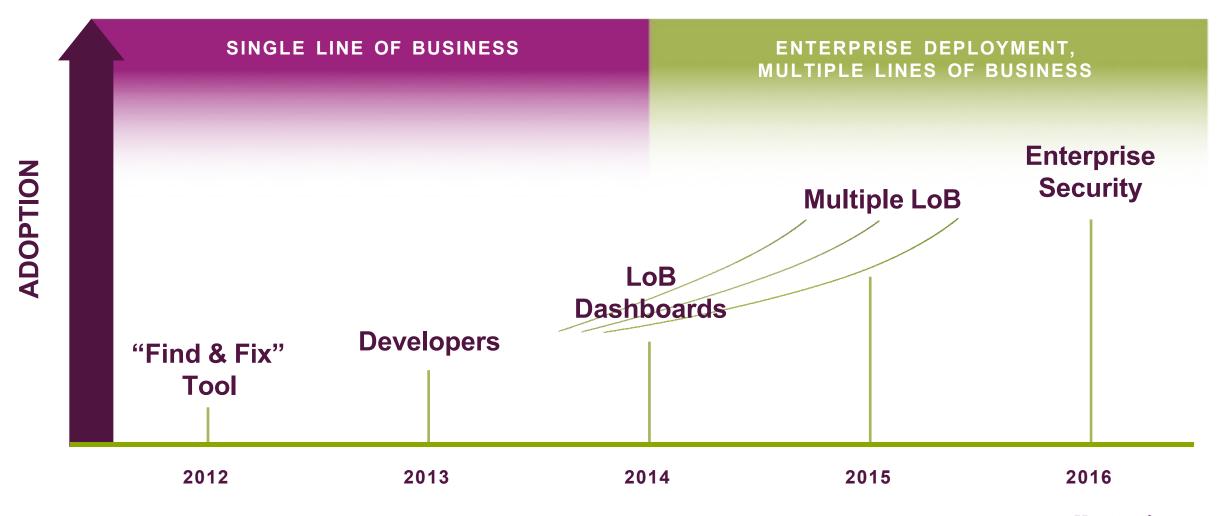




Monitoring can be divided into three layers



Ally's Splunk Journey



Splunk Enterprise at ING Bank Śląski

Collected data and its value

