Filling a Black Hole and Bending the Space-time Continuum with ITSI

...plus a few other snippets



Forward-Looking Statements

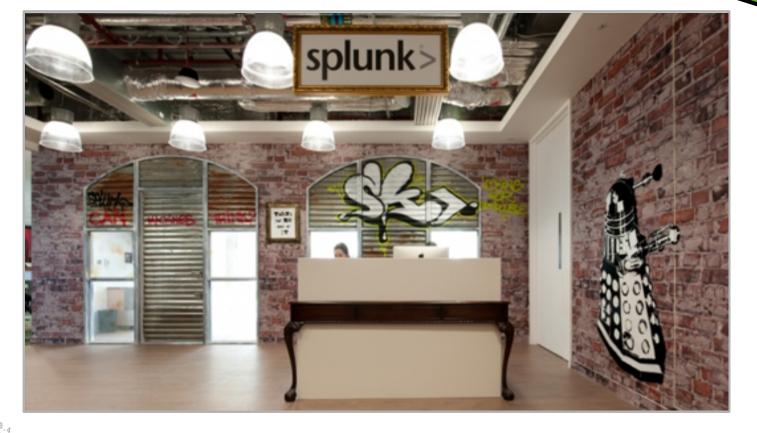
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REAL Tardis in London Office



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1316

144







Syncsort + Splunk

- Keynote announcements
- ▶ Splunk .conf 2016 Orlando FL

syncsort 50 Year Veteran



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We provide unique data management solutions and expertise to over 2,500 large enterprises worldwide with an unmatched focus on customer success & value



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- IT World Awards® 2016 "Innovations in IT" Gold Winner
- Database Trends & Applications "Companies That Matter Most in Data"

"Big Iron to Big Data"

MARQUEE GLOBAL CUSTOMER BASE OF LEADERS & EMERGING **BUSINESSES ACROSS INDUSTRIES**











































DEEP ENGINEERING AND GO-TO-MARKET WITH STRATEGIC PARTNERS IN DATA ECOSYSTEM









































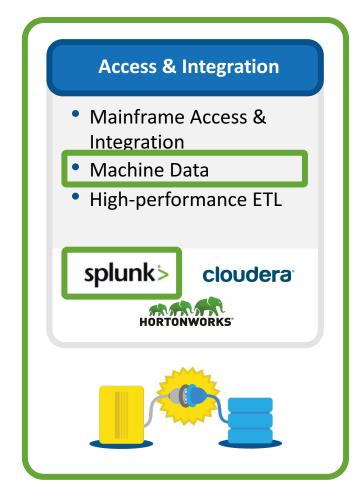
syncsort Today

Quality

- Governance
- Customer 360
- Quality & Integration
- Enrichment & Validation







Infrastructure Optimization

- Mainframe Optimization
- Application
 Modernization
- Enterprise Data
 Warehouse Optimization







Mainframe

The legacy platform, right?



- ▶ Back in the day...
 - Room-filler
 - Simple top-down data processing
 - Number crunching
 - Gaming was Tic-Tac-Toe



Mainframe Today

A cutting-edge machine



- ▶ *New* IBM z14
 - Pervasive encryption
 - Machine learning
 - Built for...
 - Mobile
 - Cloud
 - Blockchain



Mainframe Today

Mission-critical data is managed by System z



Companies use mainframe*

Of top 100 banks rely on mainframe for core banking systems* Of world's
largest
airlines use z
Systems*

Walmart 400m transactions, 150m web service calls per day*

...in 2015...

Average daily mainframe log volume¹

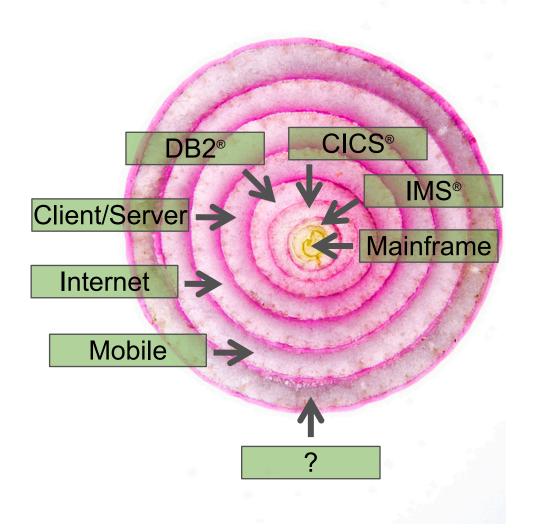
(our top 50 customers)



Systems Evolve

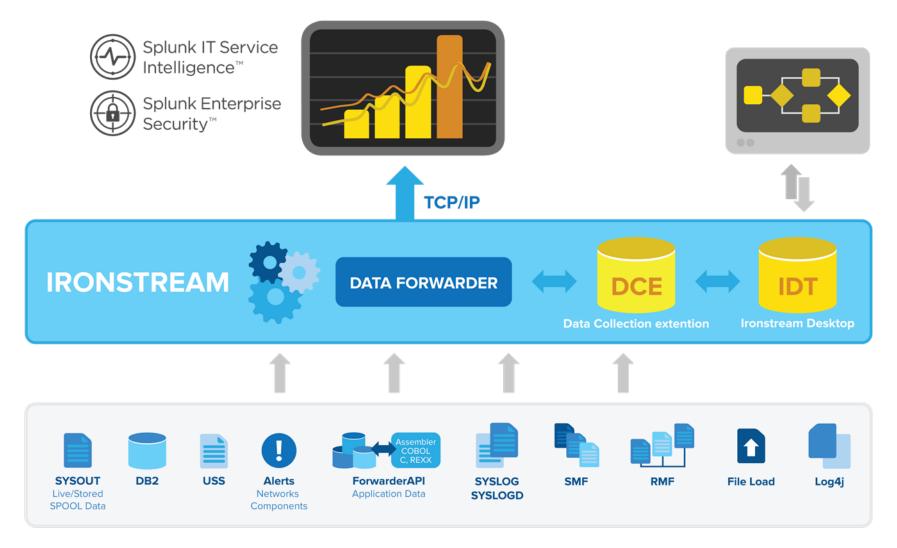
Layers added over time

- Everything was on the mainframe
 - Home of data processing
- Other software components added
 - CICS®, IMS®, IDMS®, DB2®, MQ®, WebSphere®
- ▶ Transitioned to Client/Server
 - JDBC / ODBC
- Dawn of the Internet
 - Web Services, SOAP, RESTful API, XML, **JSON**
- Mobile world





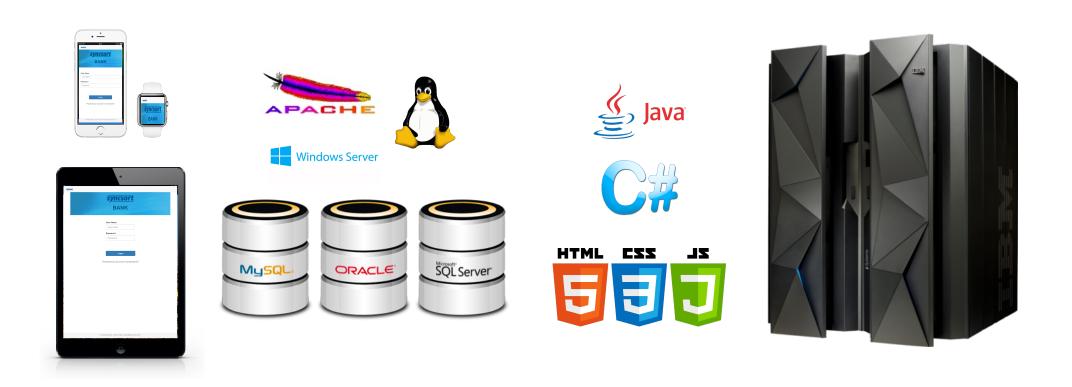
Syncsort Ironstream®





Typical System

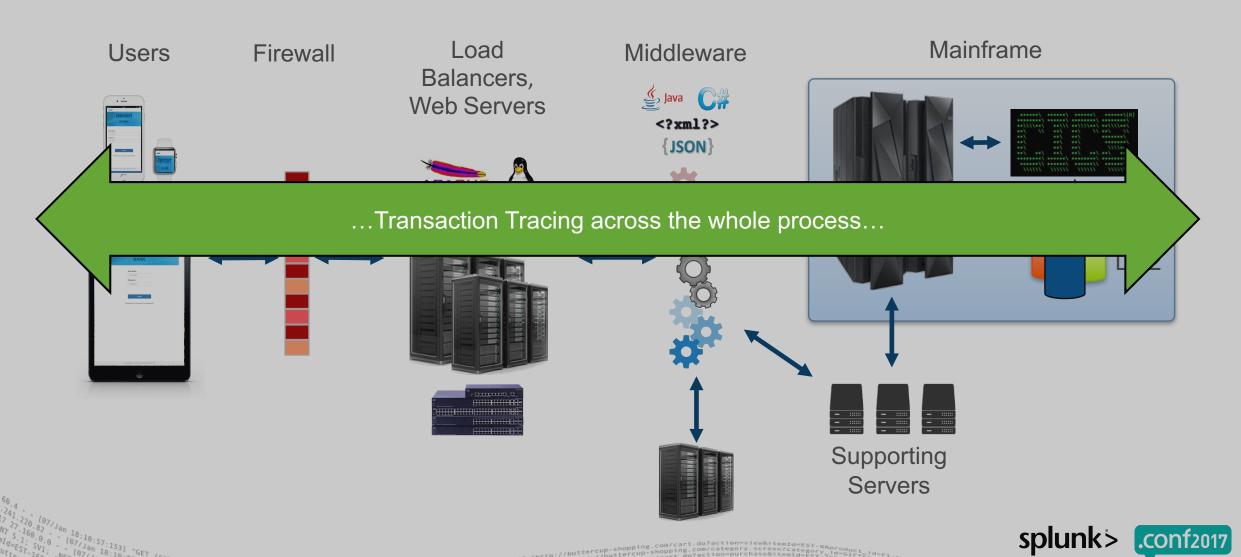
A mix of software and hardware components





Example: Online Banking

A simplified view



IT Service Intelligence

Syncsort Mainframe Module

Server (mainframe)

Virtual Machines (LPAR)

Components (software)

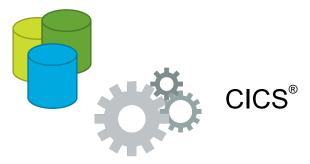


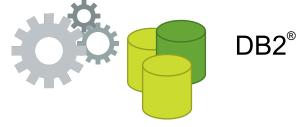
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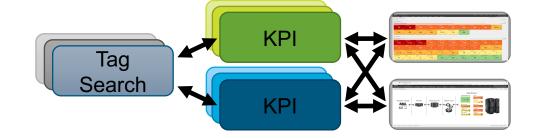
IT Service Intelligence

Mainframe Module Building Blocks

- Base Searches
 - CPC
 - LPAR
 - CICS system
 - DB2 system
 - Transactions
 - Overall
 - Individual

- Metrics
 - % Utilization
 - Workflow / Delay
 - Memory usage
 - Average response times
 - Failures
 - Lock Waits
 - Escalations
 - etc.

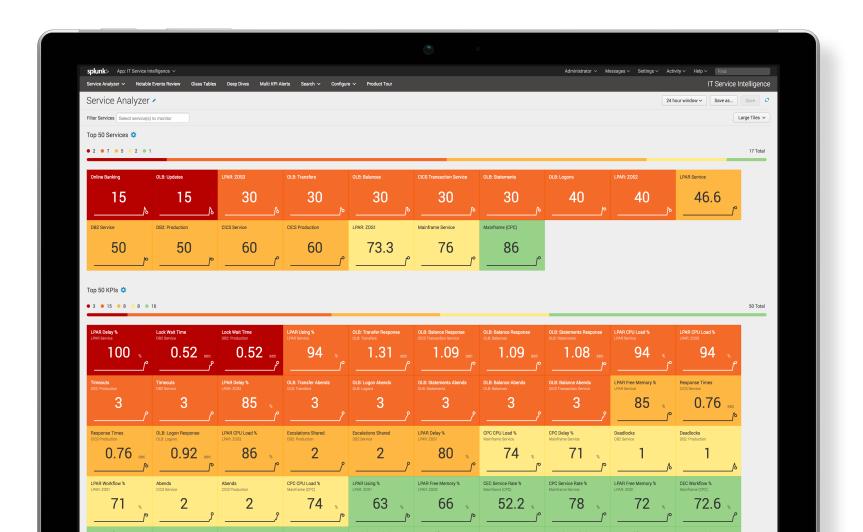
- Visuals
 - Detail Dashboards
 - Glass Tables^{*}





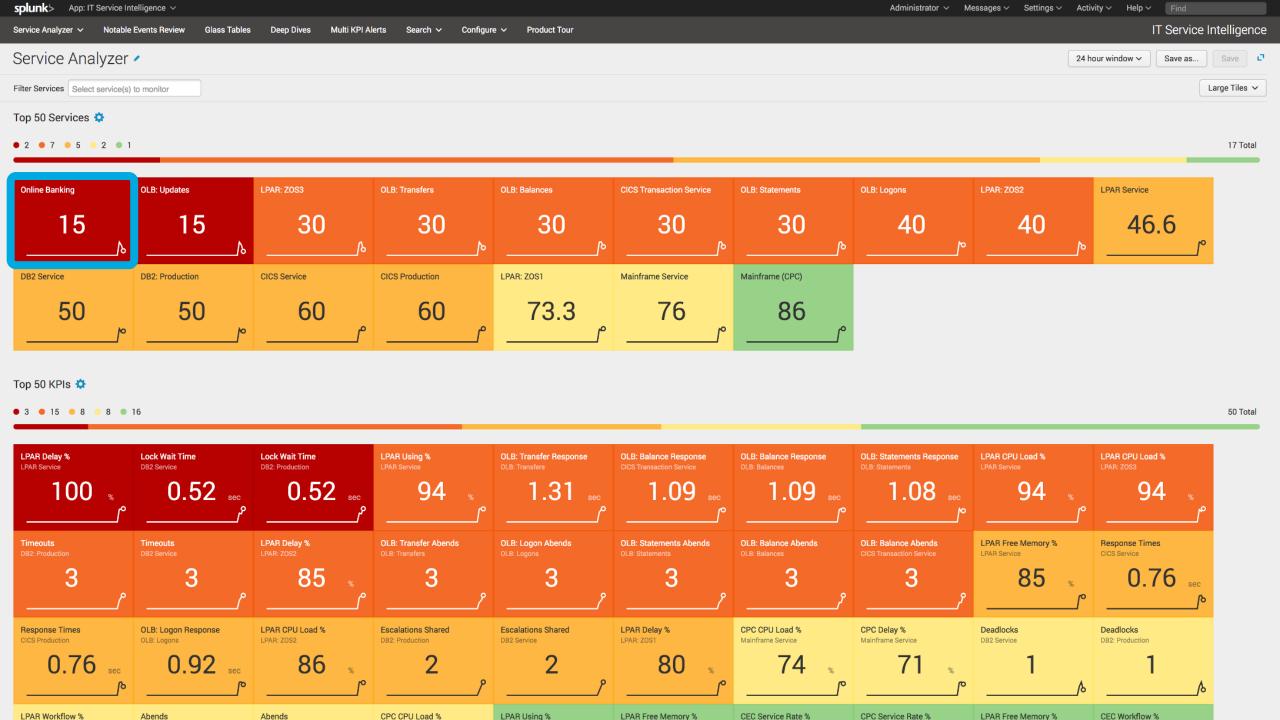
Mainframe Service Analyzer

Mainframe metrics



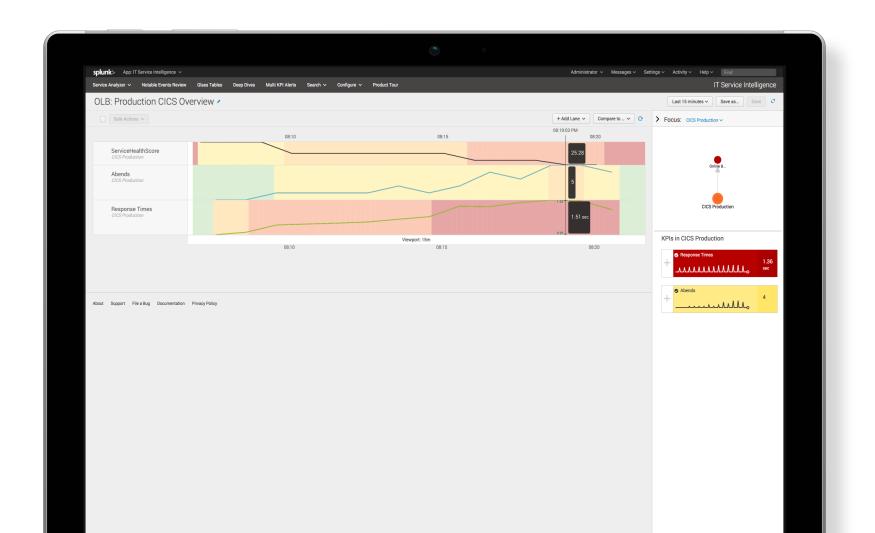
- Services
- ► KPIs
- ► <u>All</u> mainframe





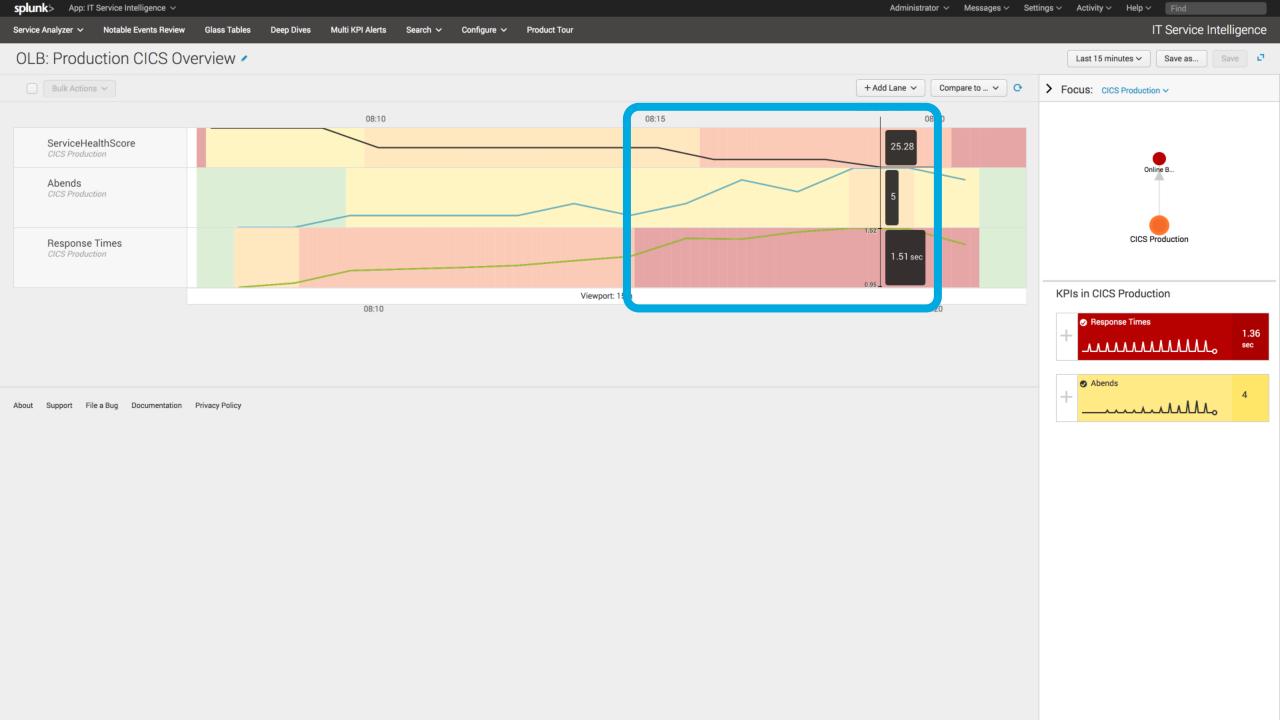
Deep Dives

Context-based Content



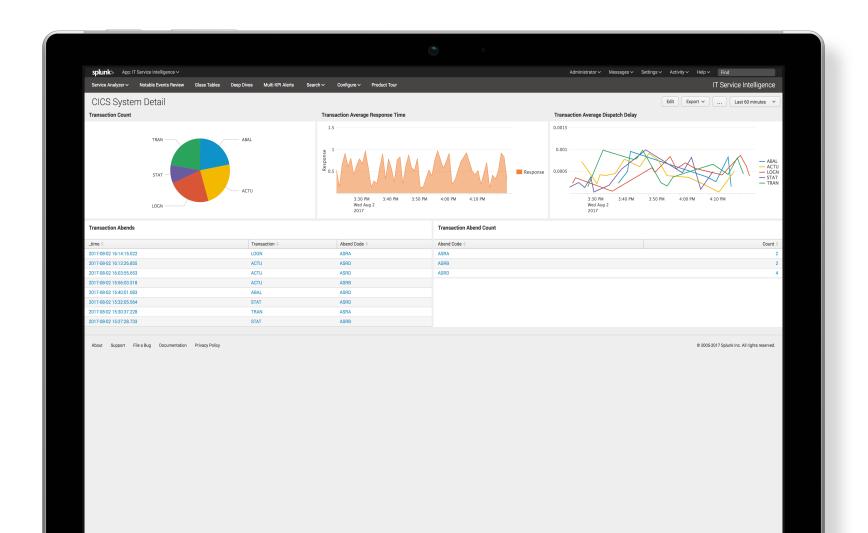
- Focus on what is happening
- Compare with previous timeframes
- Add other KPIs for comparison





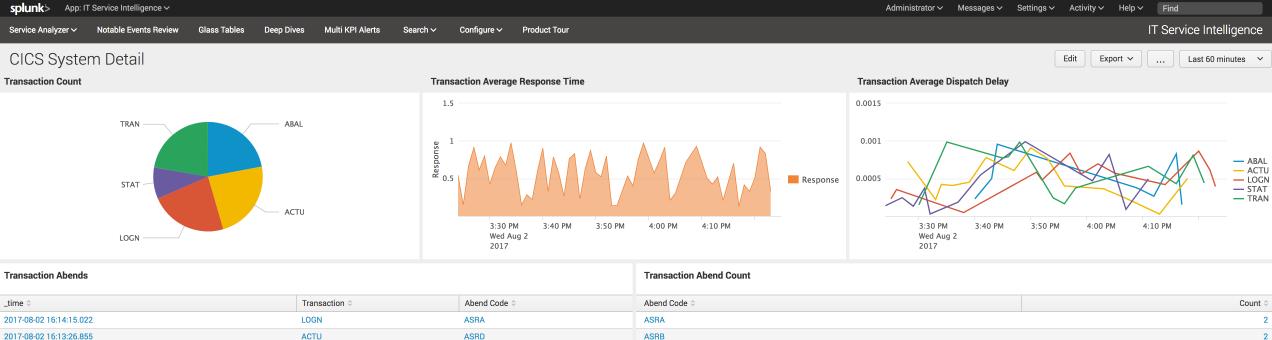
Detail Dashboards

Context-based Content



- Relevant detail
- Zero in on issues
- ► Take corrective actions...





2017-08-02 16:14:15.022 ASRB 2017-08-02 16:13:26.855 **ACTU ASRD** 2017-08-02 16:03:55.653 **ACTU ASRD** ASRD ACTU 2017-08-02 15:56:03.318 **ASRB** ABAL **ASRD** 2017-08-02 15:40:01.083 2017-08-02 15:32:05.564 STAT ASRD TRAN **ASRA** 2017-08-02 15:30:37.228 STAT **ASRB** 2017-08-02 15:27:28.733

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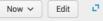
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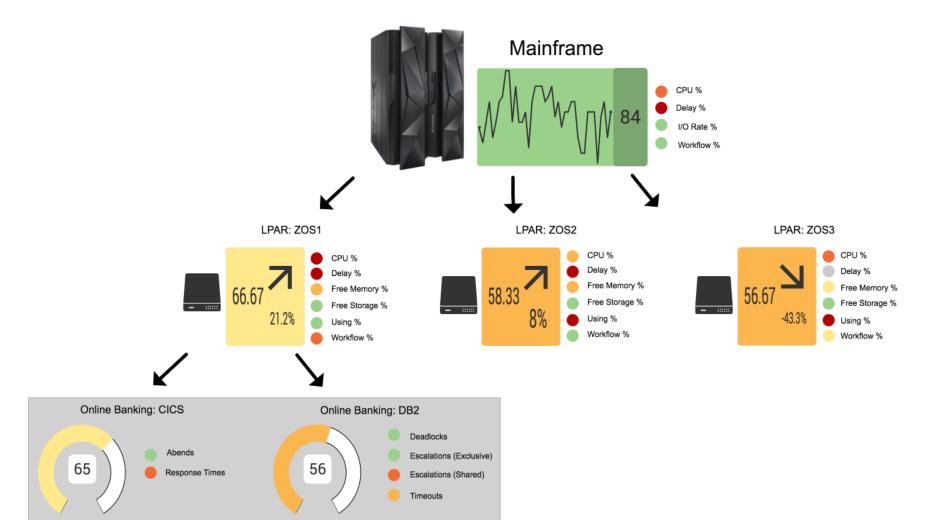
Service Analyzer V Notable Events Review Glass Tables Deep Dives Multi KPI Alerts Search V Configure V Product Tour

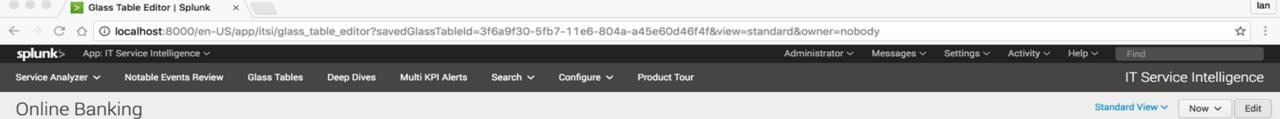
IT Service Intelligence

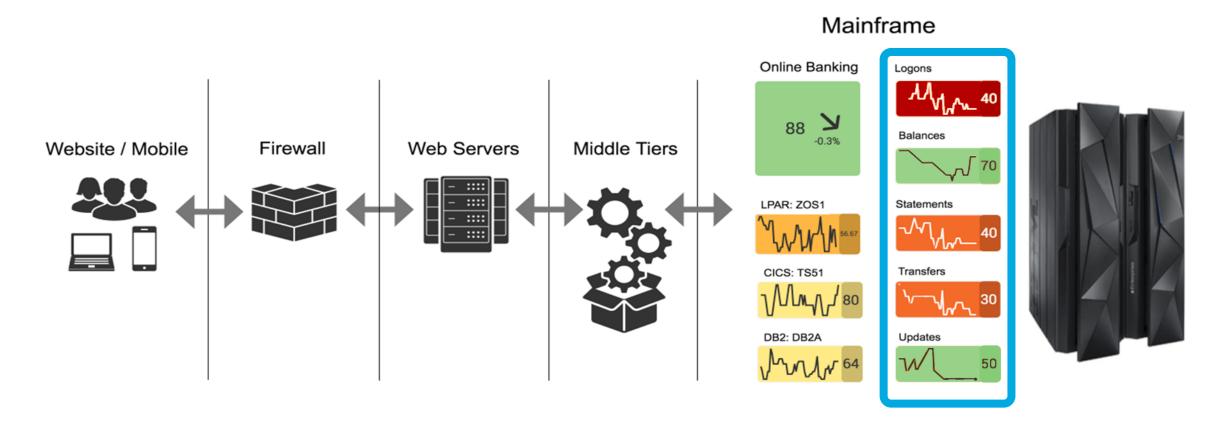
Mainframe 🗸



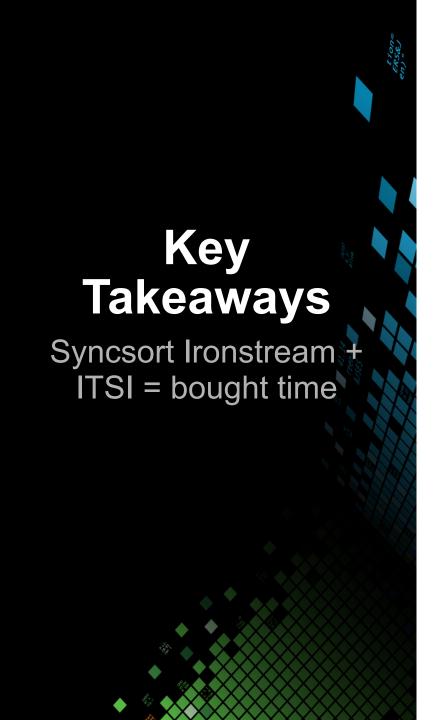








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- 1. Only **Syncsort Ironstream**® gives you real-time comprehensive visibility
- 2. You can correlate information from all enterprise platforms including mainframe
- 3. ITSI provides a great way to surface and visualize essential system metrics

Bend the space-time continuum and stay ahead of problems...

BEFORE they become a REAL problem!





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Want to Learn More About ITSI at .conf2017?

- Ready, Set, Go! Learn From Others The First 30 Day Experiences of ITSI Customers: Tuesday, September 26th, 201712:05 PM- 12:50 PM Room Salon C
- Splunk ITSI Overview: Tuesday, September 26th, 2017 1:10 PM-1:55 PM Room 147 AB
- PWC: End-to-End Customer Experience: Tuesday, September 26th, 2017 2:15 PM-3:00 PM Room 143ABC
- RSI: Operational Intelligence: How to go From Engineering to Operationalizing IT Service Intelligence Where the Rubber Meets the Road:

 Tuesday, September 26th, 2017 2:15 PM-3:00 PM Room147AB
- Cardinal Health: Ensuring Customer Satisfaction Through End-To-End Business Process Monitoring Using Splunk ITSI:
 Tuesday, September 26th, 20173:30 PM-4:15 PM Room143ABC
- ▶ ITSI in the Wild Why Micron Chose ITSI and Lessons Learned From Real World Experiences: Tuesday, September 26th, 2017 4:35 PM- 5:20 PM Room Salon C
 - Event Management is Dead. Time Series Events are the Means to the End, not the End Itself. See How Event Analytics is Revolutionizing IT:
 Wednesday, September 27th, 201711:00 AM-11:45 AM Ballroom C
- ▶ Triggering Alerting (xMatters) and Automated Recovery Actions from ITSI: Wednesday, September 27th, 2017 1:10 PM- 1:55 PM Room Salon C
- Leidos Our Journey to ITSI: Wednesday, September 27th, 2017 2:15 PM-3:00 PM Room147AB
- How Rabobank's Monitoring Team Got a Seat at the Business Table by Securing Sustainability on Competitive Business Services Built on Splunk's ITSI:
 Wednesday, September 27th, 2:15-3:00pm Room 147AB
- ▶ Here Comes the Renaissance: Digital Transformation of the IT Management Approach: Wednesday, September 27th, 2017 3:30 PM-4:15 PM Room Salon C
- The ITSI 'Top 20' KPI's: Thursday, September 28th, 2017 10:30 AM-11:15 AM Room Salon C
- ▶ Automation of Event Correlation and Clustering with Machine Learning Algorithms An ITSI Tool:
 - Event Management is Dead. Time Series Events are the Means to the End, not the End Itself. See How Event Analytics is Revolutionizing IT:
 - Thursday, September 28th 11:35 AM 12:20 PM in Ballroom B

oduct.screen?product_id=FL-DSH-01&JSESSIONID=SD5SL

▶ IT Service Intelligence for When Your Service Spans Your Mainframe and Distributed ITSI:

Thursday, September 28th, 2017 1:20 PM-2:05 PM Room Salon C

Thursday, September 28th, 2017 11:35 AM- 12:20 PM Room Salon C

Wednesday September 27th, 2017

Tuesday

September

26th, 2017

Thursday September 28th, 2017

