

Disclaimer

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Splunk IT Service Intelligence

Data-driven service monitoring and analytics



Today's Talk

- War Stories.
- Management Personas & Responsibilities.
- Specific Benefits of ITSI.
- Sleep.

Personas – "Jason"



- Middle Manager.
- Responsible for day to day operations.
- Not overly technical, but sometimes thinks he is.
- "Block and Tackle" guy.
- Always coming up with new ideas.
- Moves on to new things... Quickly.



Personas - "E.B."

- Director, Development
- Responsible for Technical Direction and 'Care and Feeding' of a real time, highly distributed, high availability business service
- Needs accurate data quickly to prioritize development and troubleshoot real time incidents
- Known to make really bad jokes and/or "sing" on long incident calls



Personas - "Tom"

- Vice President Information Technology
- Worked his way up through the technical ranks and it shows
- Responsible to the business for meeting SLA's and guaranteeing availability
- Loves a good dashboard
- Very involved
- Pretty sure he hasn't slept more than 2 hours a night in a decade



Personas - "Jon"



- Senior Analyst
- Stunningly handsome
- Jack of many trades, master of none
- Responsible for keeping the lights on
 - Usually the first call for escalated incidents
- Is a big fan of sleep
- Generally awesome
- This is what happens when they let me make a slide about myself

A story about a database...

- "Breaks often."
- Disjointed tools specific to teams
- Slow time to value
- Multiple workflows for the same end goal
- Confusion
- Hyper sensitivity
- Post event reports are time consuming and monotonous

Current Challenges

Service Aware Monitoring



Performance data and alerts lack business context



Troubleshooting



Answering not just the **what** but the **why**



Visibility



Putting all the data at everyone's disposal



Analytics



Answering questions your vendors did not anticipate



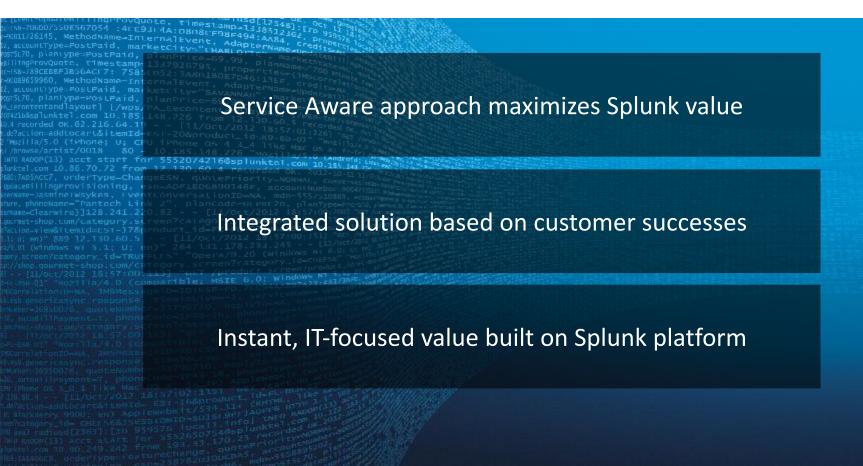
Problem Detection



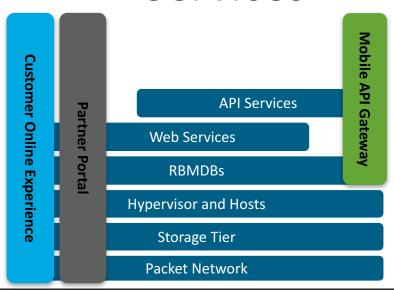
Being alerted before your help desk calls



Why Splunk IT Service Intelligence



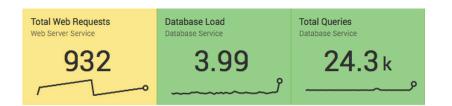
Services

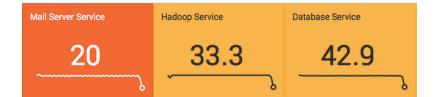


In ITSI a **Service** is a logical group of technology components that a user deems need to be monitored together. KPIs and Health scores constitute the means by which Services are monitored. Services can be IT Services/Tiers like the Storage Tier or they can be more abstract concepts like a Partner Portal, which encompass several tiers.

KPIs and

Health scores

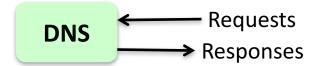




A **Key Performance Indicator (KPI)** is a Splunk saved search created within the ITSI UI that helps monitor a specific field like CPU, Memory, Number of Errors and so on. KPIs are contained within Services.

A **Health score** is a score form 0-100 (0 being critical and 100 being normal) that helps determine the health of a Service. It is calculated based on all KPIs importance and its status (e.g. green, orange, red), once every minute.

What is a KPI?



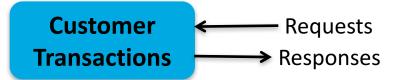
KPI: Number of requests

KPI: Error rate

KPI: Average response time

KPI: Servicer CPU load

KPI: Server network I/F errors



KPI: Number of transactions

KPI: Error rate

KPI: Average response time

KPI: Count of Incident Tickets

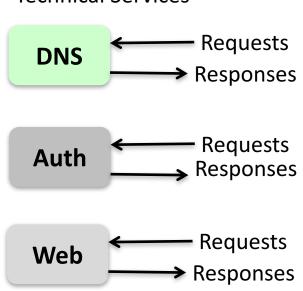
KPI: Synthetic Transx Health

What is a Service?

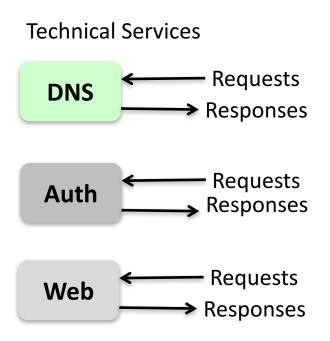


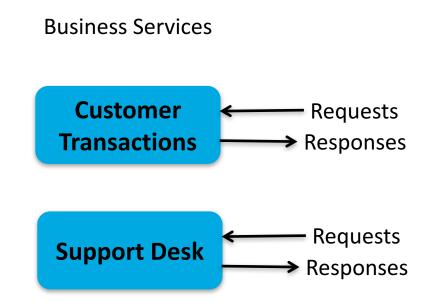
What is a Service?

Technical Services



What is a Service?





Service Analyzer, Glass Tables, Deep Dives, Multi KPI Alerts









Service Analyzer – Auto generated filterable and tiled view of Service Healthscores and KPIs

Glass Tables – Customizable free form drawing dashboards to view Healthscores and KPIs of choice

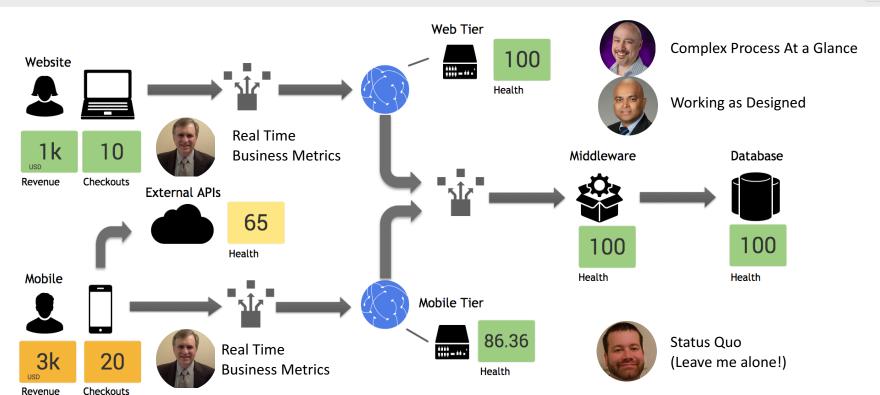
with visual tools to create context

Deep Dives – Swim lane analysis dashboard to show all those indicators over time for investigations **Multi KPI Alerts** – Visual tool to create correlation searches based on KPIs

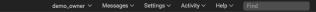
IT Service Intelligence

End to End Health /

Now ✓ Edit □



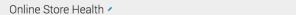
All values are per minute



splunk'> App: IT Service Intelligence >

Deep Dives







IT Service Intelligence



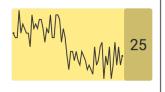
Store Status

51.27

Health score

3k USD

Revenue per minute



Checkouts per minute (Last 1 hour)



Create Any **Dashboard Easily**



Simple & Effective perfect for the CxO



Website Component



Revenue per minute

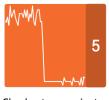


(Last 1 hour)

Mobile Component



Revenue per minute



Checkouts per minute (Last 1 hour)





Zero time spent gathering additional data, or building dashboards.

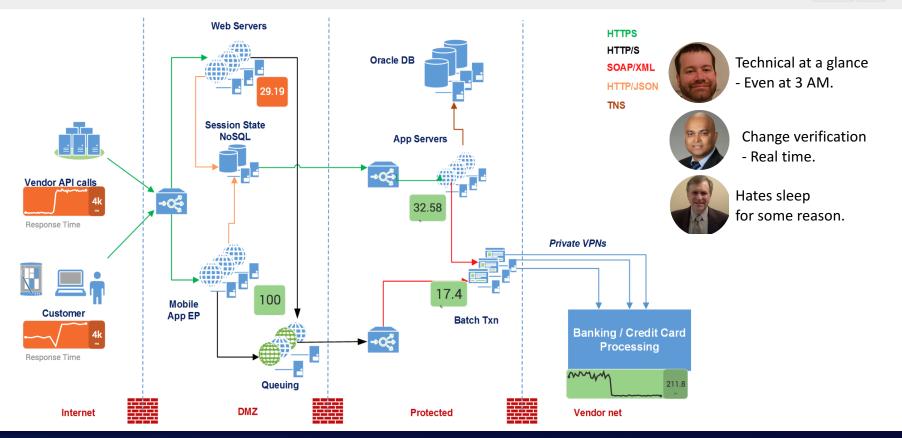
Service Analyzer 🗸 Notable Events 🗸 Glass Tables Deep Dives Multi KPI Alerts Search 🗸 Configure 🗸 Product Tour

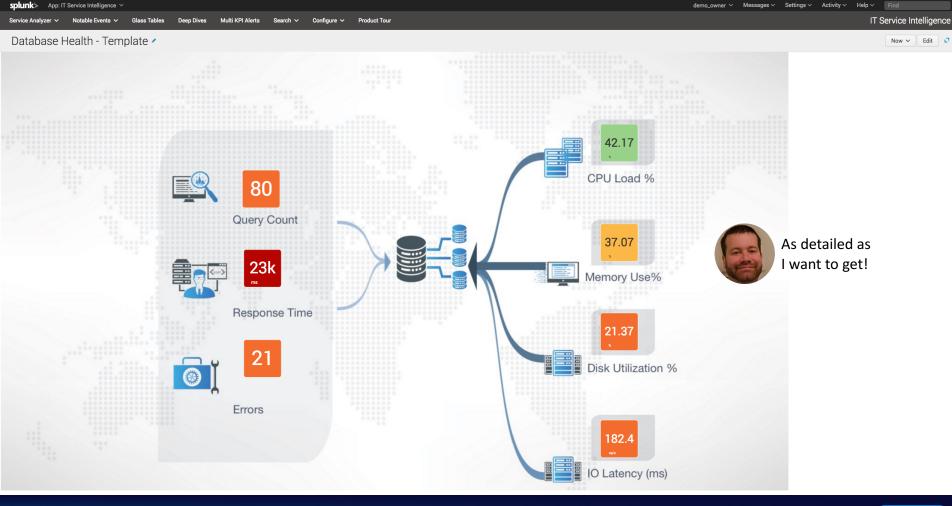
IT Service Intelligence

Now ~

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On Line Transaction Service /





ner

Messages

Settings

Activity

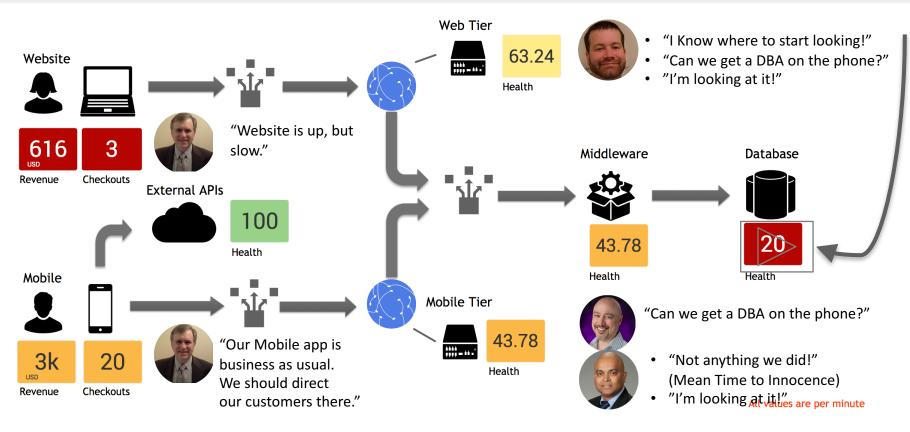
Help

Find

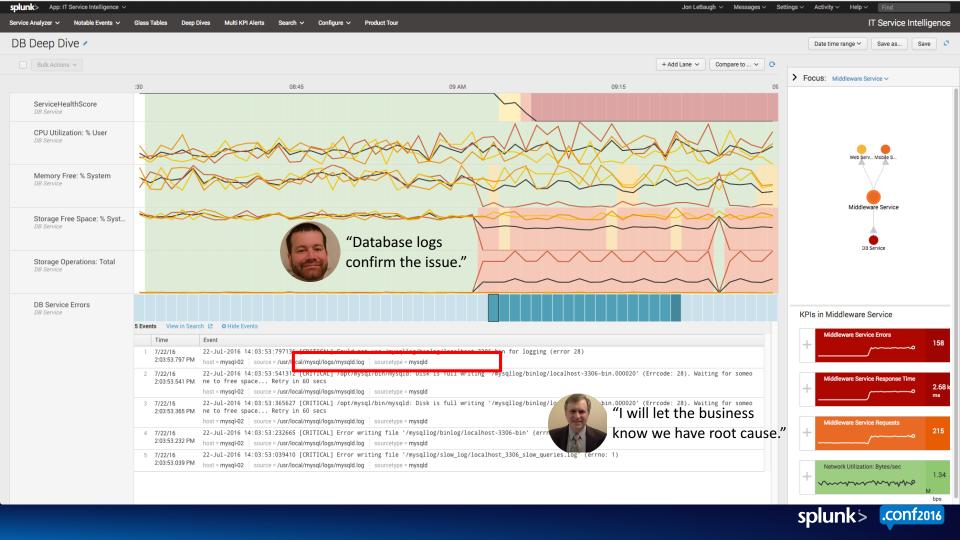
IT Service Intelligence

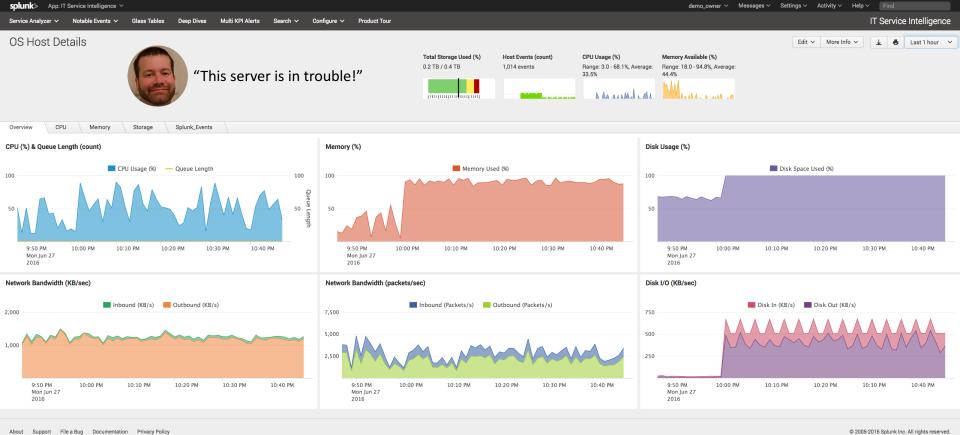
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End to End Health /

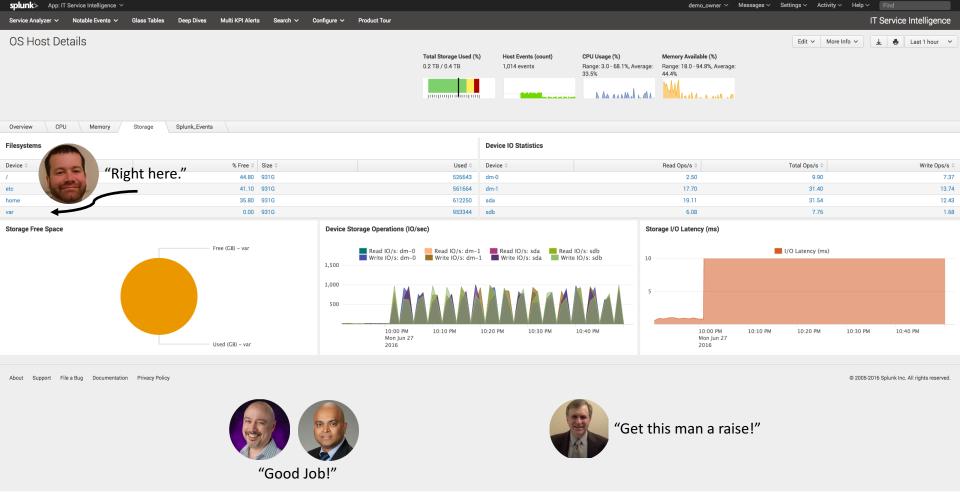


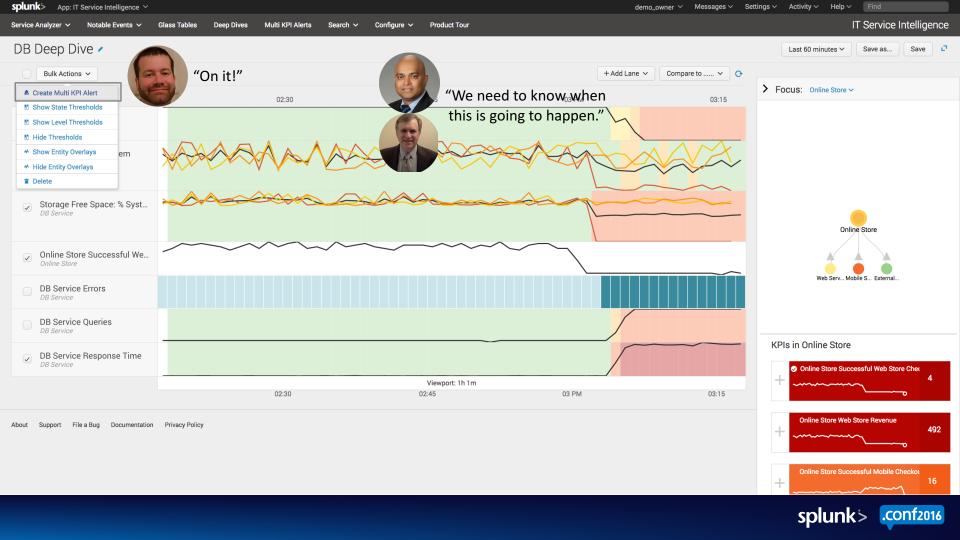


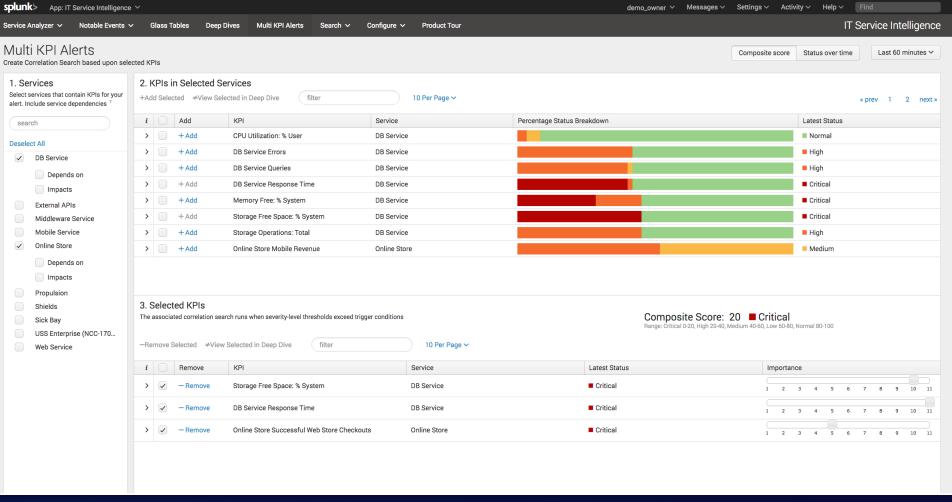


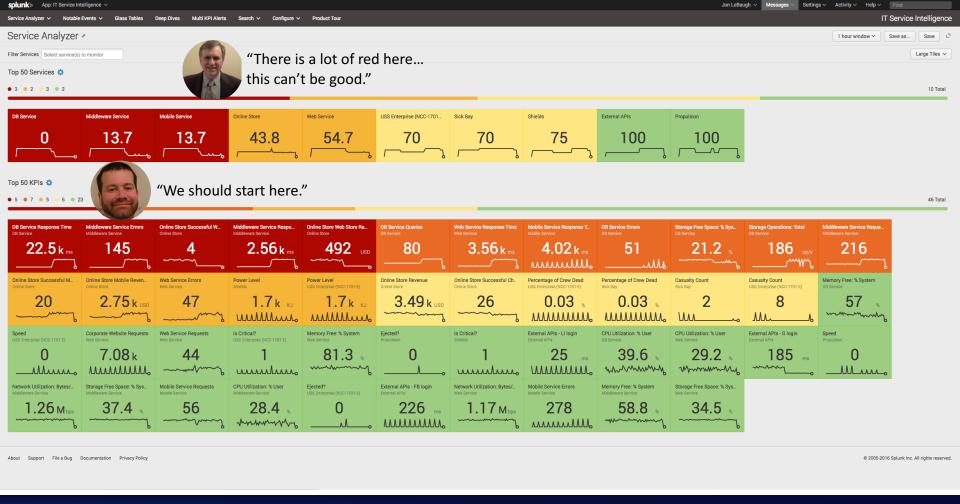


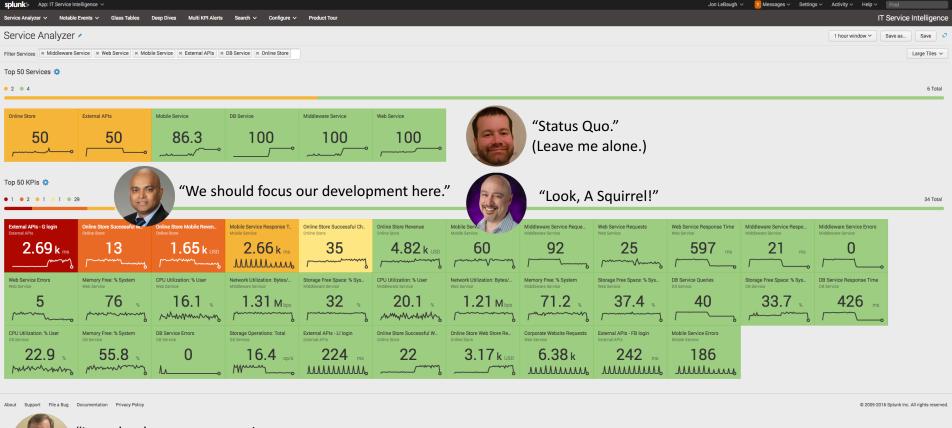














"I need to have a conversation with our vendor."

Takeaways

- Avoid Dad jokes
- Find trouble
- Chase squirrels
- Sleep at night!

What Now?

Related breakout sessions and activities...

- Live demo at booth XYZ
- Sandbox
- Sign up for Glass Table Exercise

THANK YOU



