

John Lewis – A Journey to Awesome

How Difficult Became Easy with Splunk & ITSI

Paul Adams, Splunk Engineer

09/27/2017 | Washington, DC







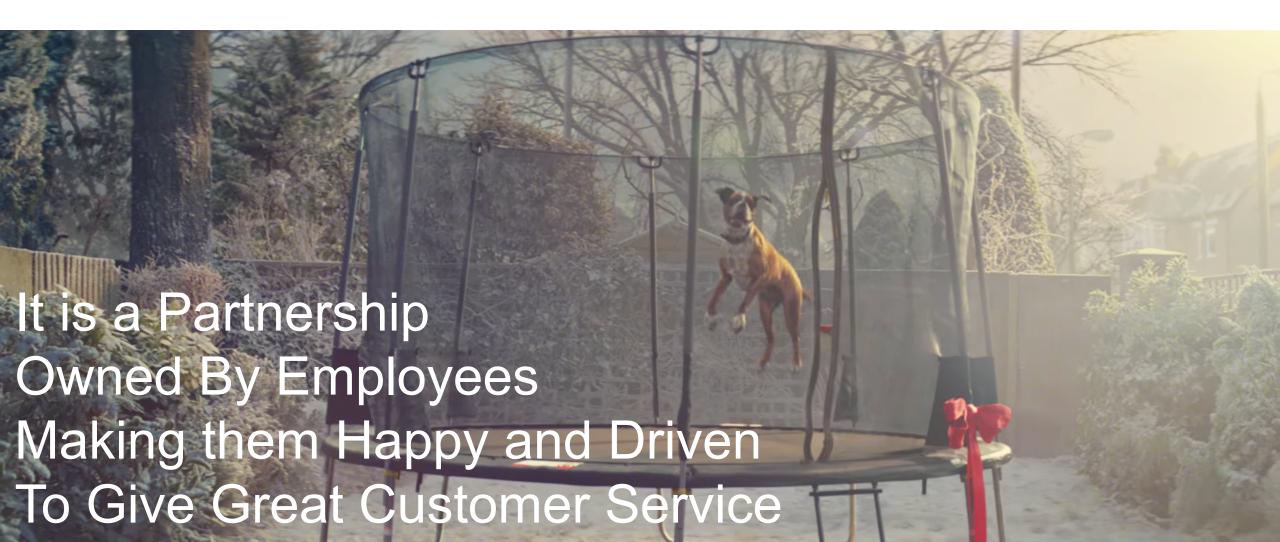


Q: Who is John Lewis?

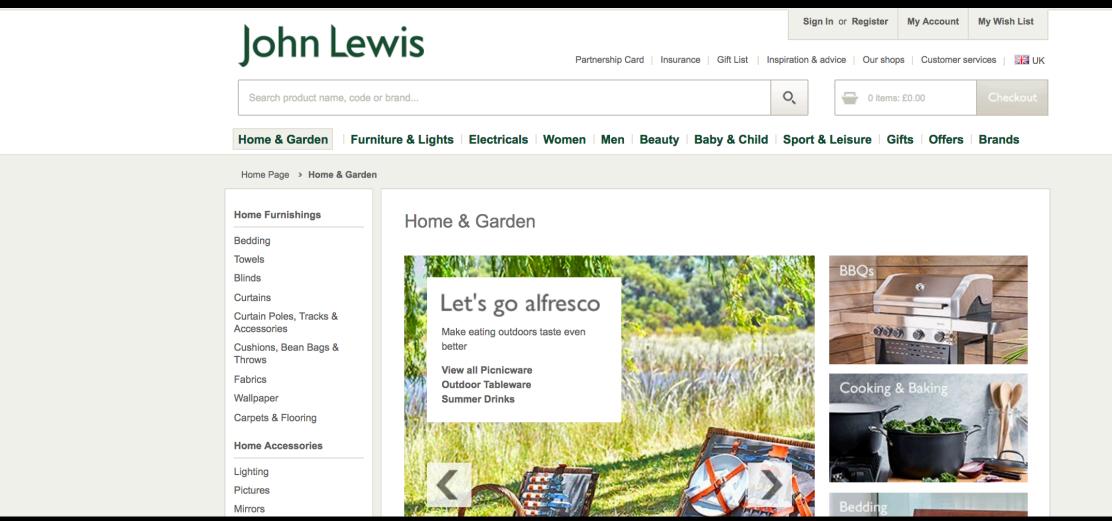




John Lewis Really Is Different!



Great Staff ... "Now Where Are They On This Website?"

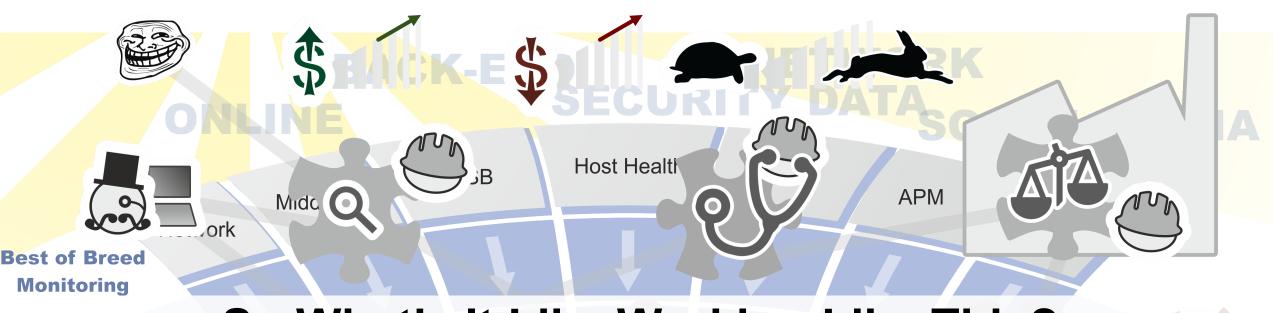


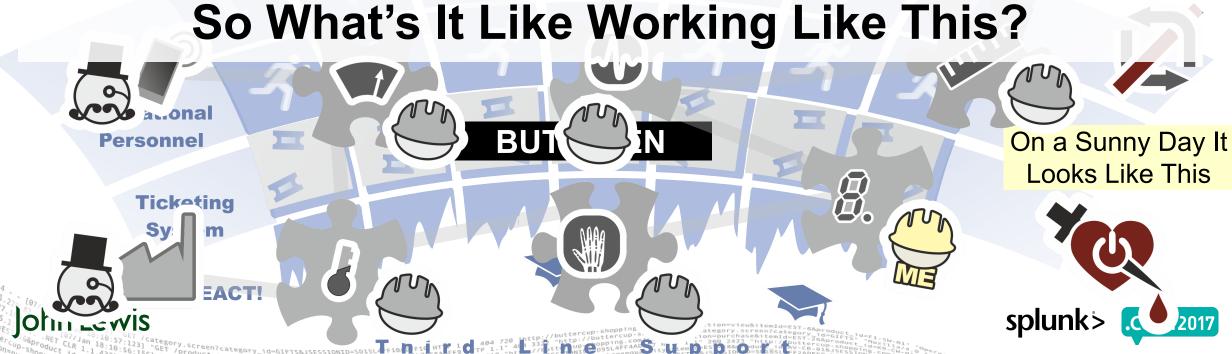


PDP16 1 - 12 - 10:56 - 156 | GET / GET / GET / GET / GET GALGE GOVERNMENT OF THE STANDARD FILE OF THE STANDARD FIL

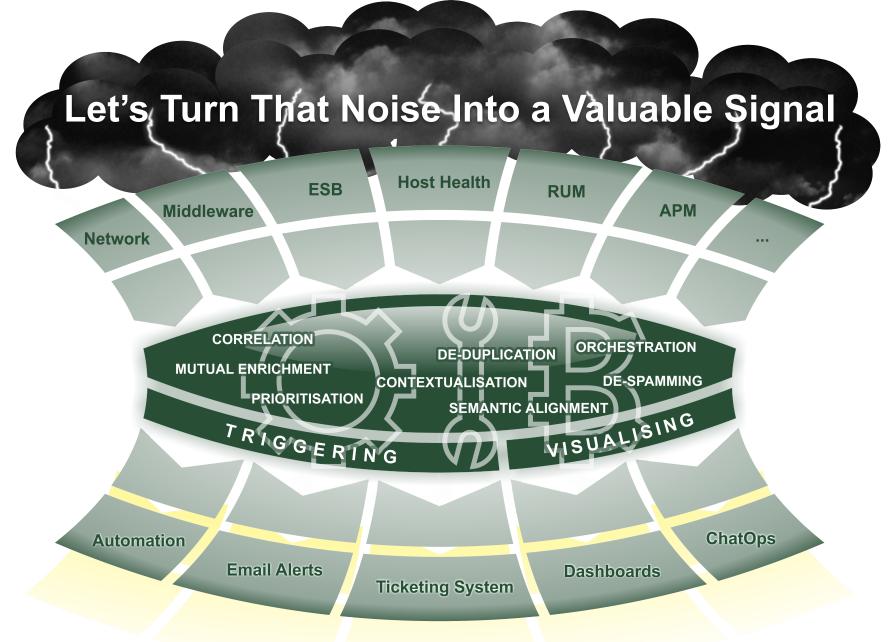












John Lewis

ENLIGNTENMENT

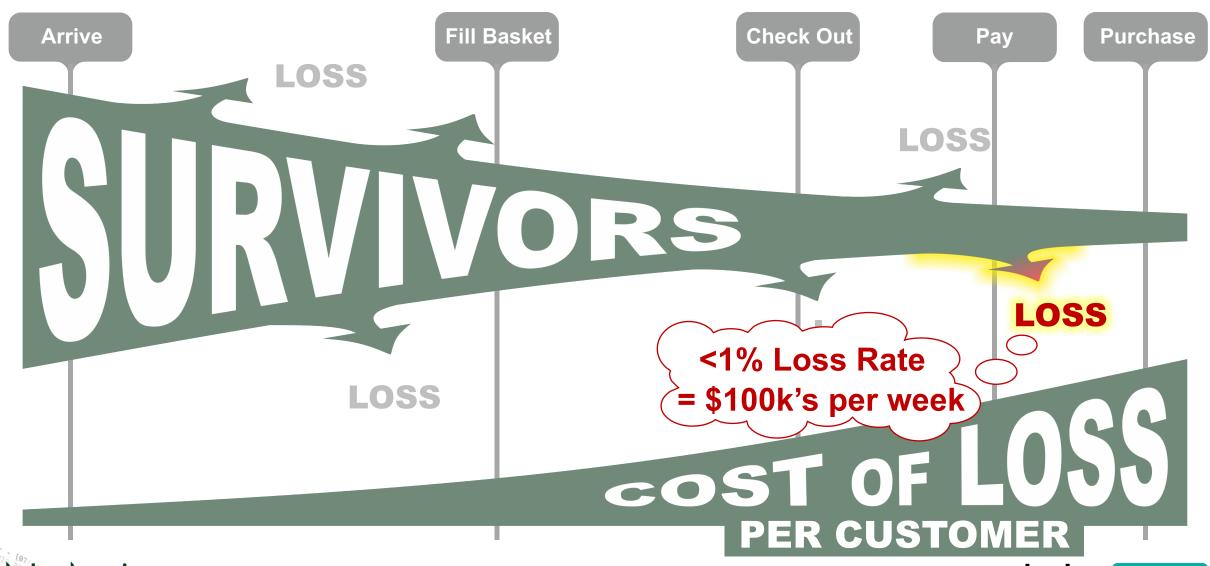








Where Were We Losing Customers?



John Lewis

splunk> .conf2017

Actually We Had No Choice But To Use Splunk

2004 Era Tactics Didn't Work!



Speculative Restarts & Reconfigures a no-go



Issue Not Reproducible



Steps Vaguely Described

... And To Make Things Worse



No Server-Side Error Signatures



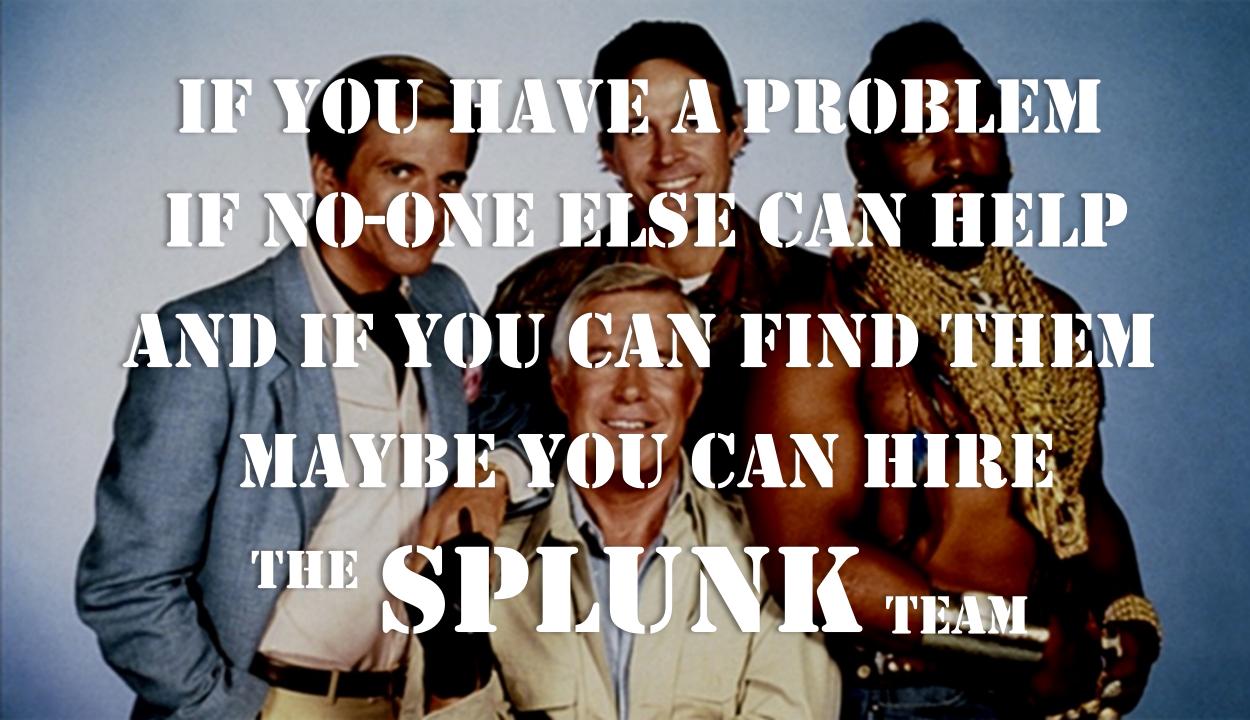
SaaS Component Involved

Maybe Just Just Just Just

Far too much at stake!

John Lewis

splunk> .conf2017





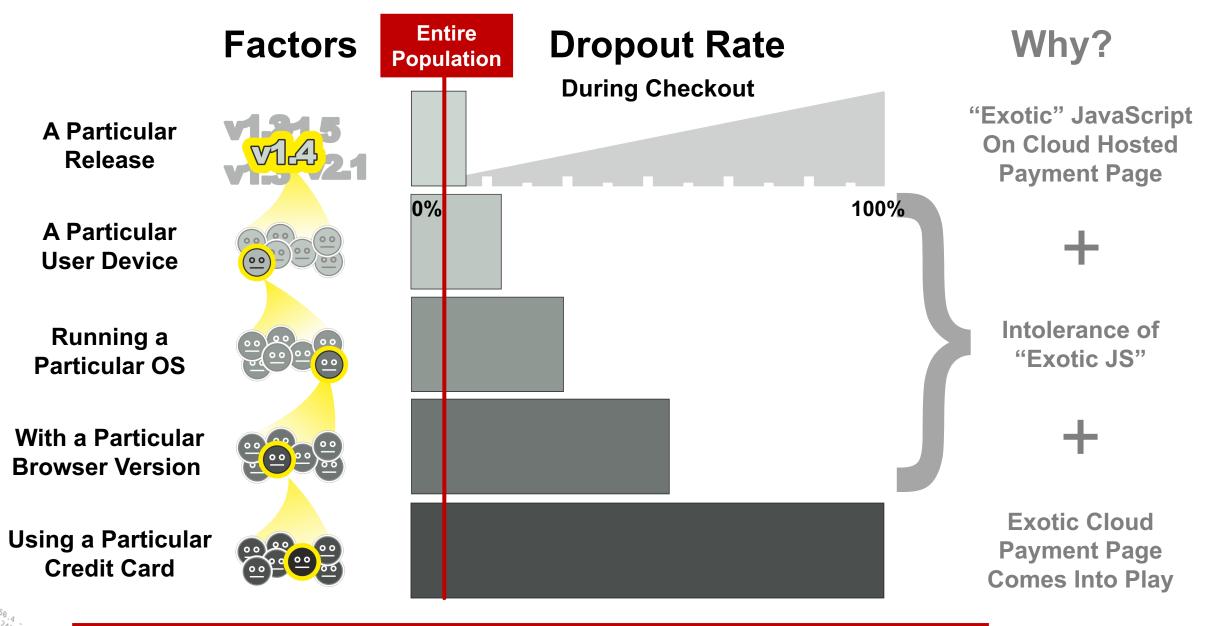




"I don't know HOW to Reproduce"

But Analytics Changed The Game For Us!





Joh So 5 Ingredients Needed to Reproduce This Problem!



Things Would Never BeThe Same Again!

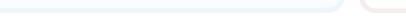
"It's to Spend All Day Looking at Charts"

Analytics Changed The Mindset!



Stage Two: Let's Be Bold!

Order Confirmation Page

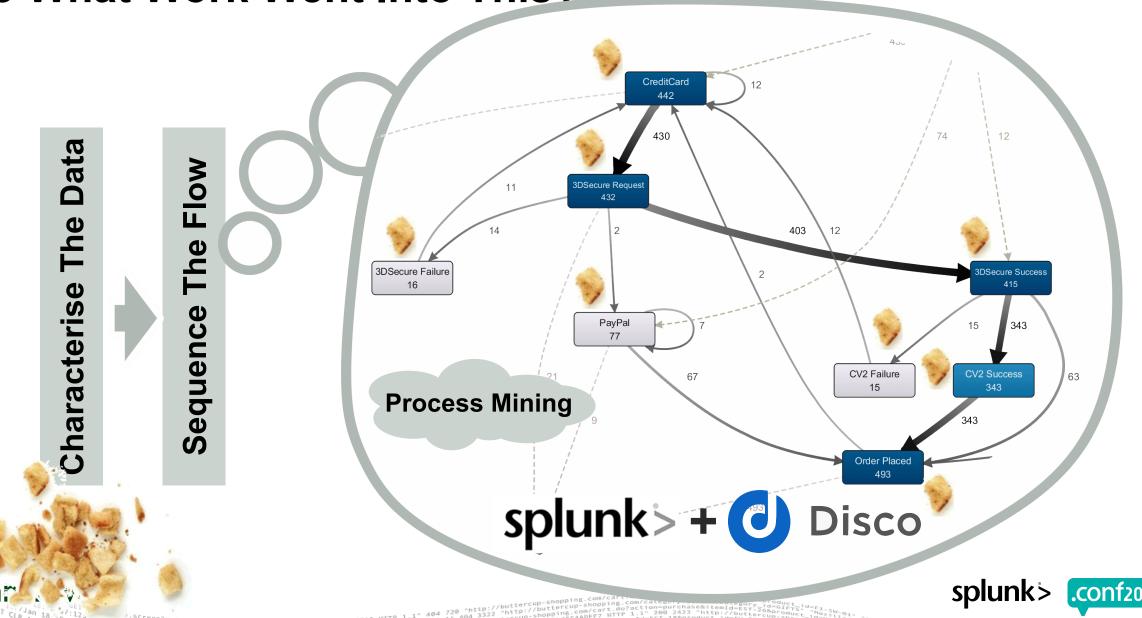


NOT REAL I

splunk>



So What Work Went Into This?



So What Work Went Into This?

Develop More Assets Develop Develop Data Insight Assets! Spin-Offs The **Different Angles** Make roduction **Develop Query Different Intents** Performant **Drill Downs** Characterise 1st Line Friendly Sednence **Create Visual** Make Headlines Skeleton Flexible Alerts **Reports** Plug Results into Visual Skeleton

The World Changes





We All Want to Produce Things That Are

FLEXIBLE

QUICK to DEV

MAINTAINABLE

PERFORMANT

SKILLS - LIGHT

Flexible

Quick to Dev

Maintainable

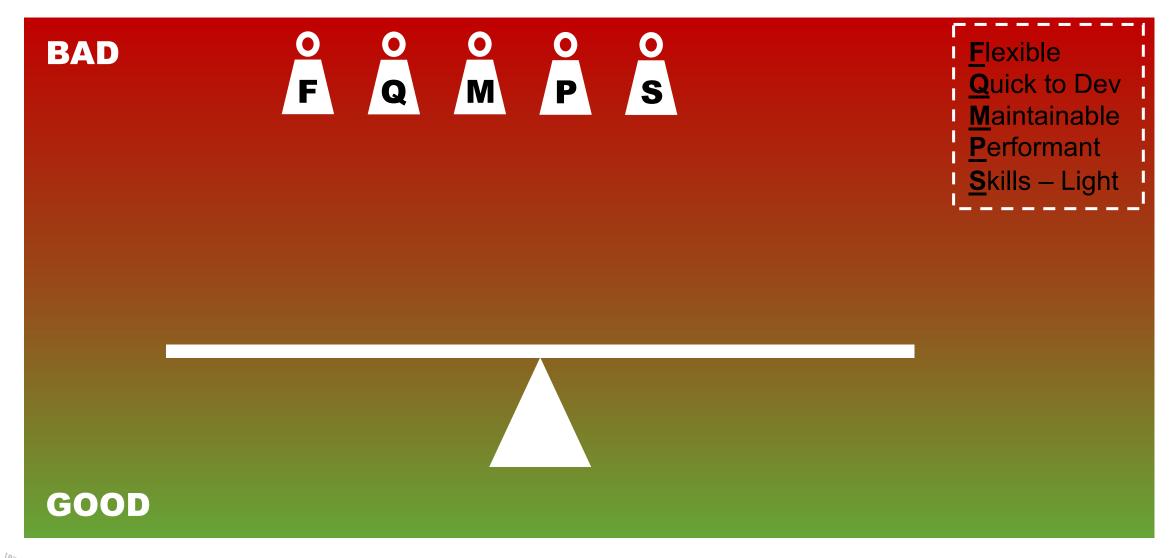
Performant

Skills – Light



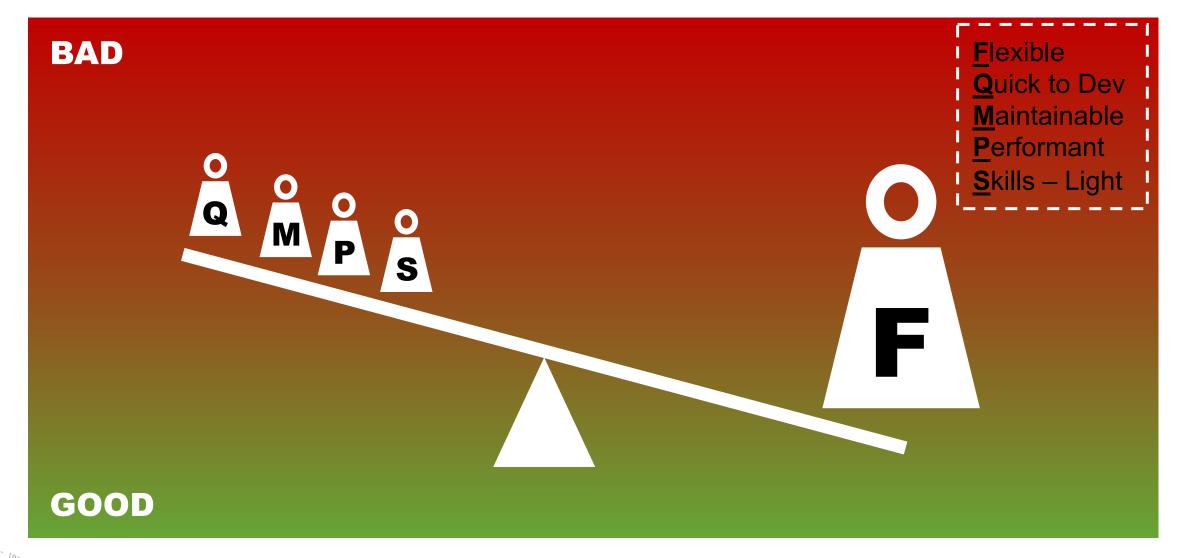


Reality: The See-Saw of Doom!



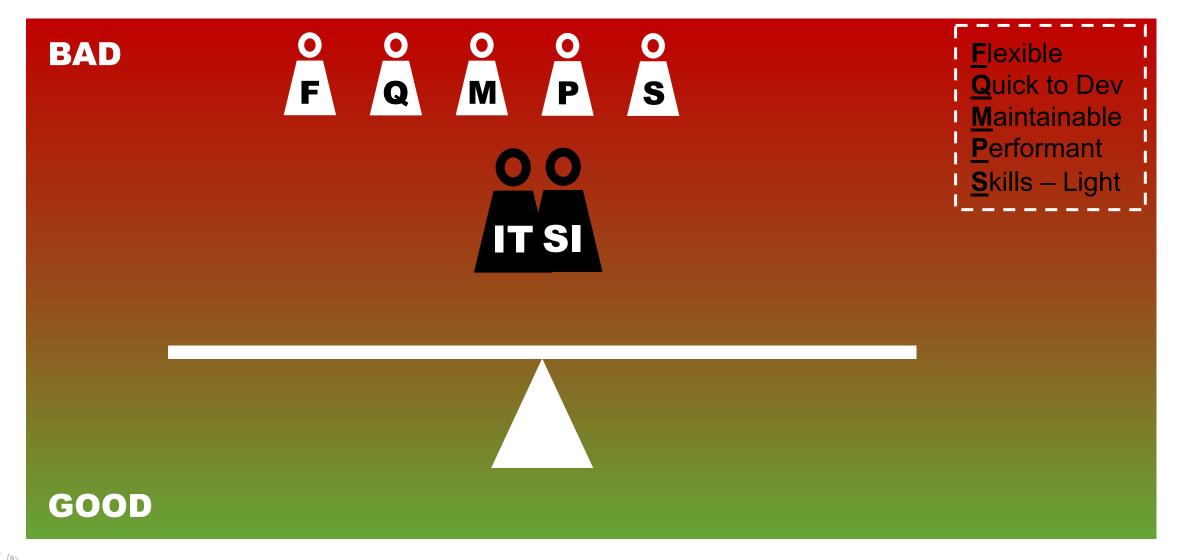


Reality: The See-Saw of Doom!



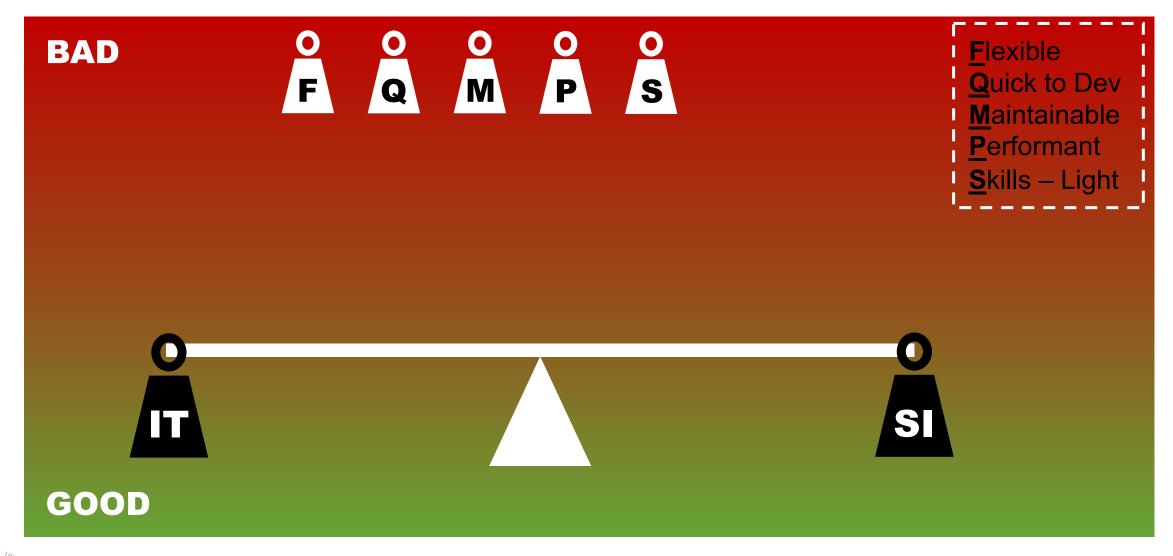


But With ITSI – We "Could Almost Have It All"





But With ITSI – We "Could Almost Have It All"





How ITSI Did That For John Lewis

Flexible

Quick to Dev

Maintainable

Performant

Skills – Light







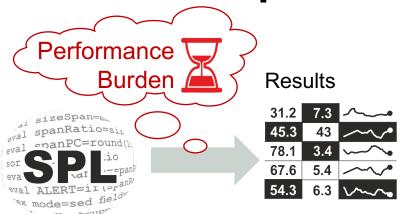


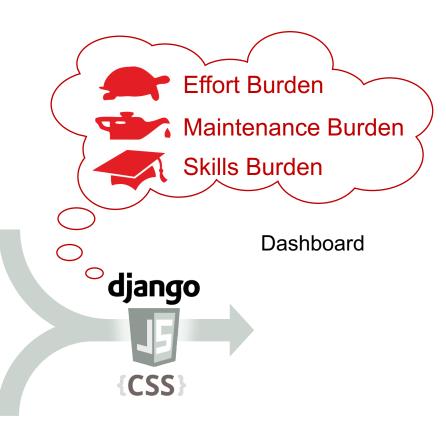






2014: Attempt One

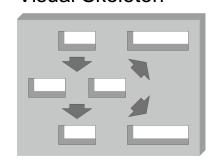




Visual Skeleton

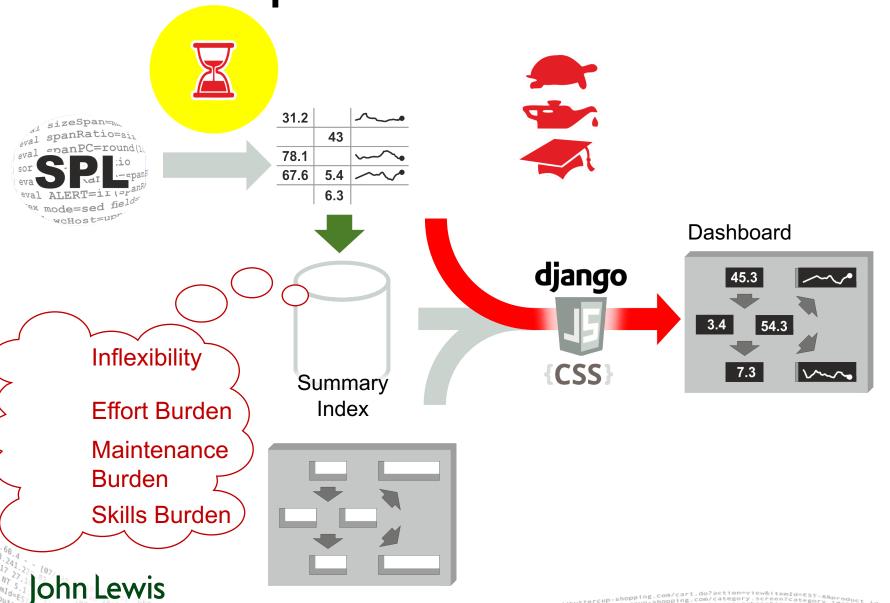
Drawing Package





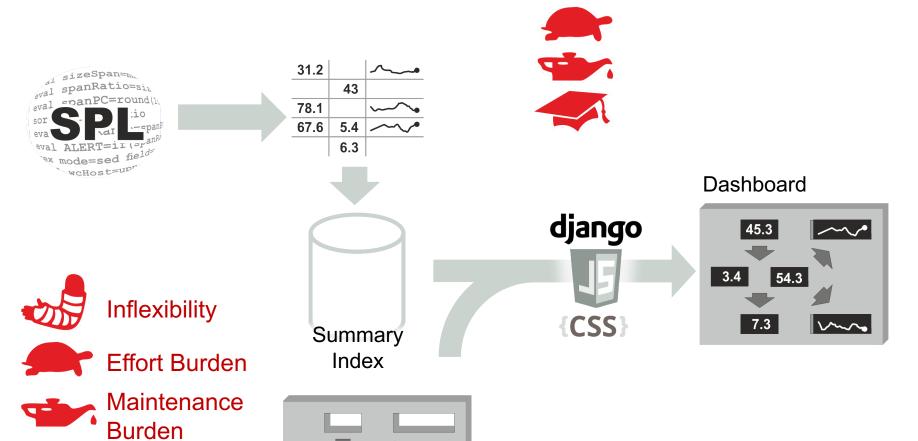


2014: Attempt One





2014: Attempt One

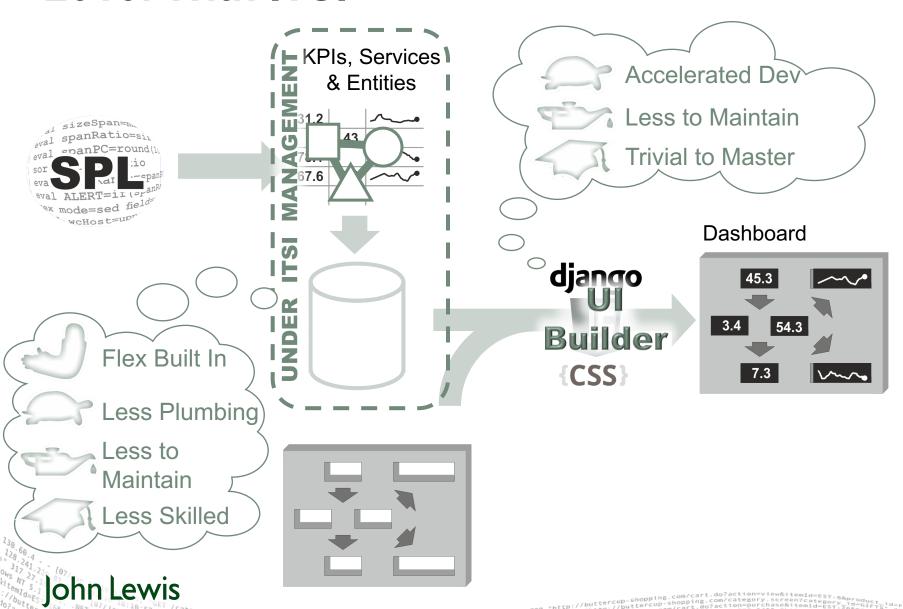




Skills Burden

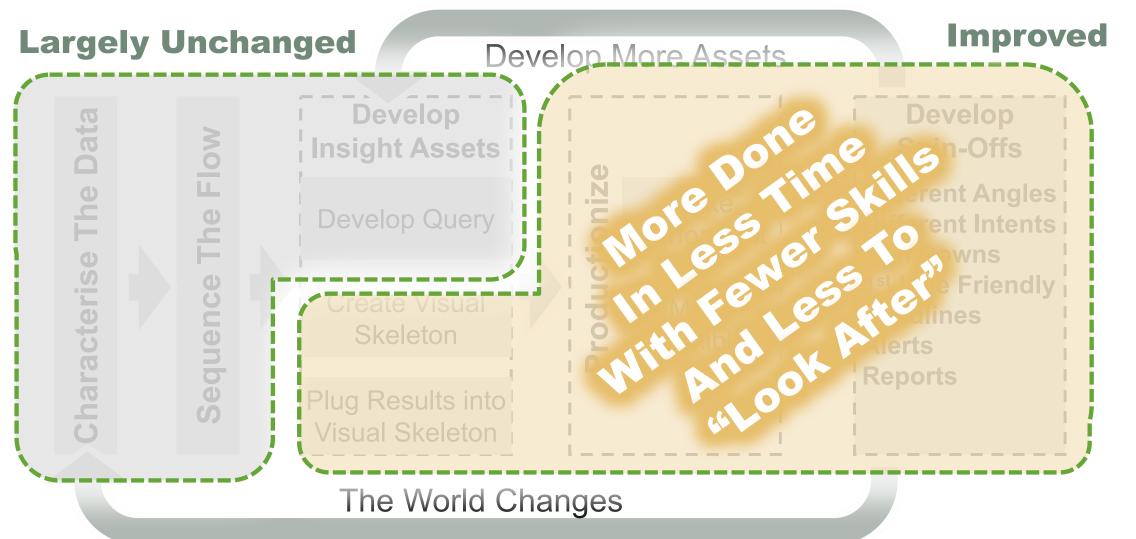


2016: With ITSI



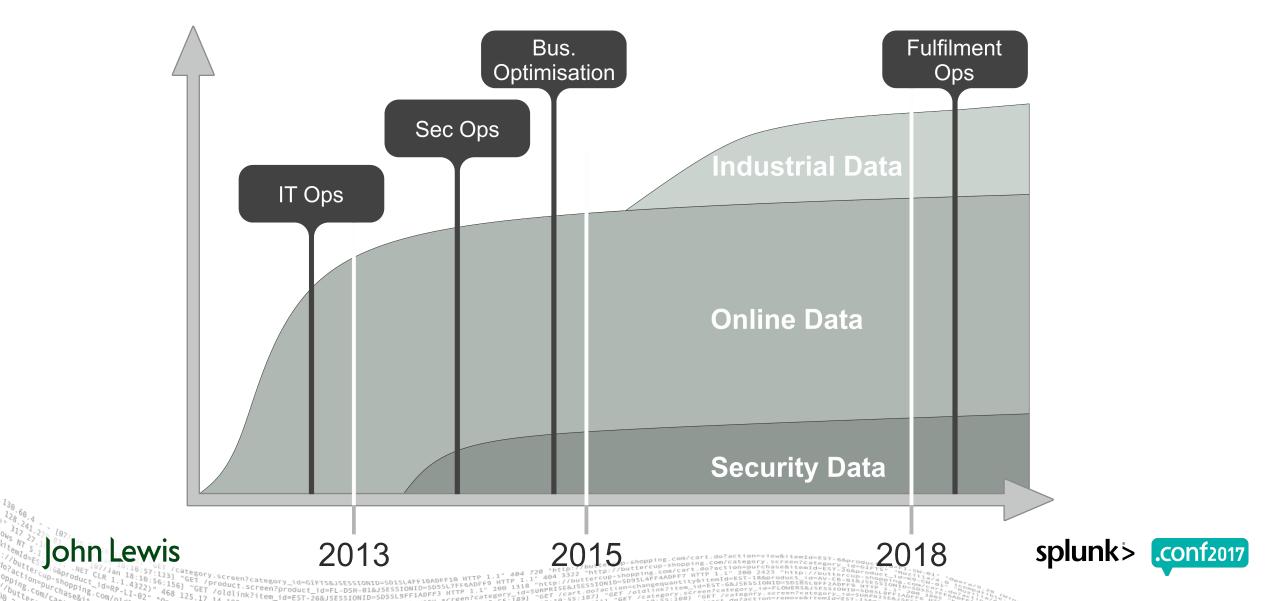


What Did This Mean For Our Life Cycle?





Beyond IT Ops at John Lewis





Q&A