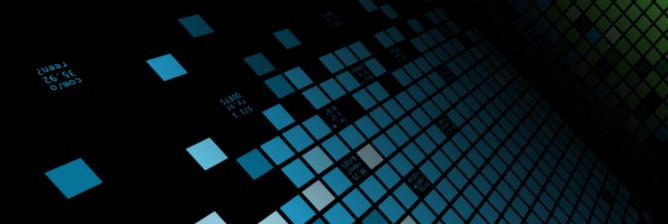




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September 2017 | Washington, DC



#### **Forward-Looking Statements**

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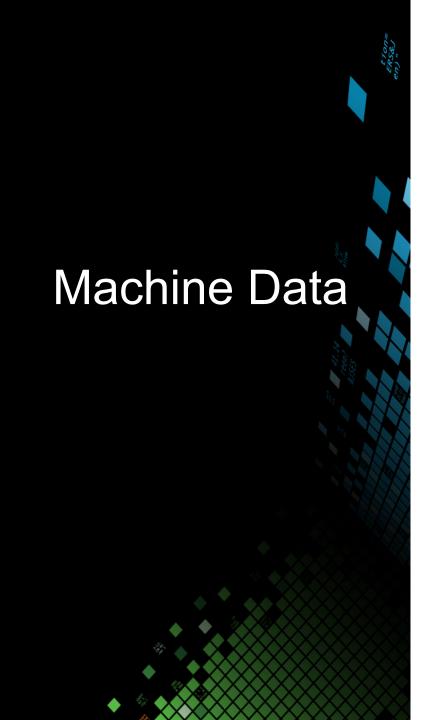
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# Making machine data accessible, usable and valuable to everyone.











Internal

Enterprise

External



#### **Example: Retail Store**

Internal

Point of sale, SKU, Inventory, Labour, Sales, Returns, Loss, Utilities, Customers, Payments, Sensors **Enterprise** 

Warehouse,
Deliveries, Shipping,
Marketing, Surveys,
Facilities, Regional
Totals, Manufacturing,
Supply Chain, Security,
Recalls, DMA,
Competition

External

Weather,
Social Media, Traffic,
Demographics,
Legislation, Aircraft
arrivals and departures,
Exchange rates, Sporting
Events, Public Events,
Holidays

In Store

**Above Store** 

Near Store



Yo!

.conf2017

# **Delivers** Actionable Operational Insights

### Internal Splunk Enterprise External Splunk Machine learning splunk>





Energy



Commerce



Transportation



Retail



Manufacturing



Food Service

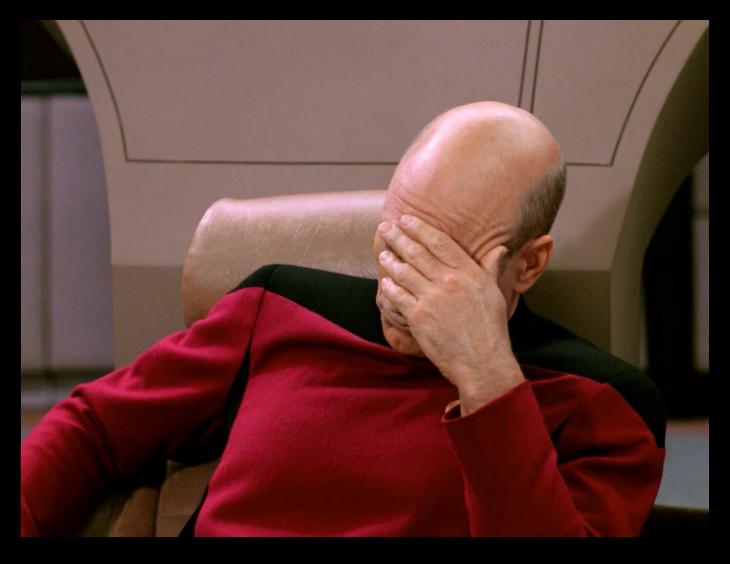
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#### Data ...



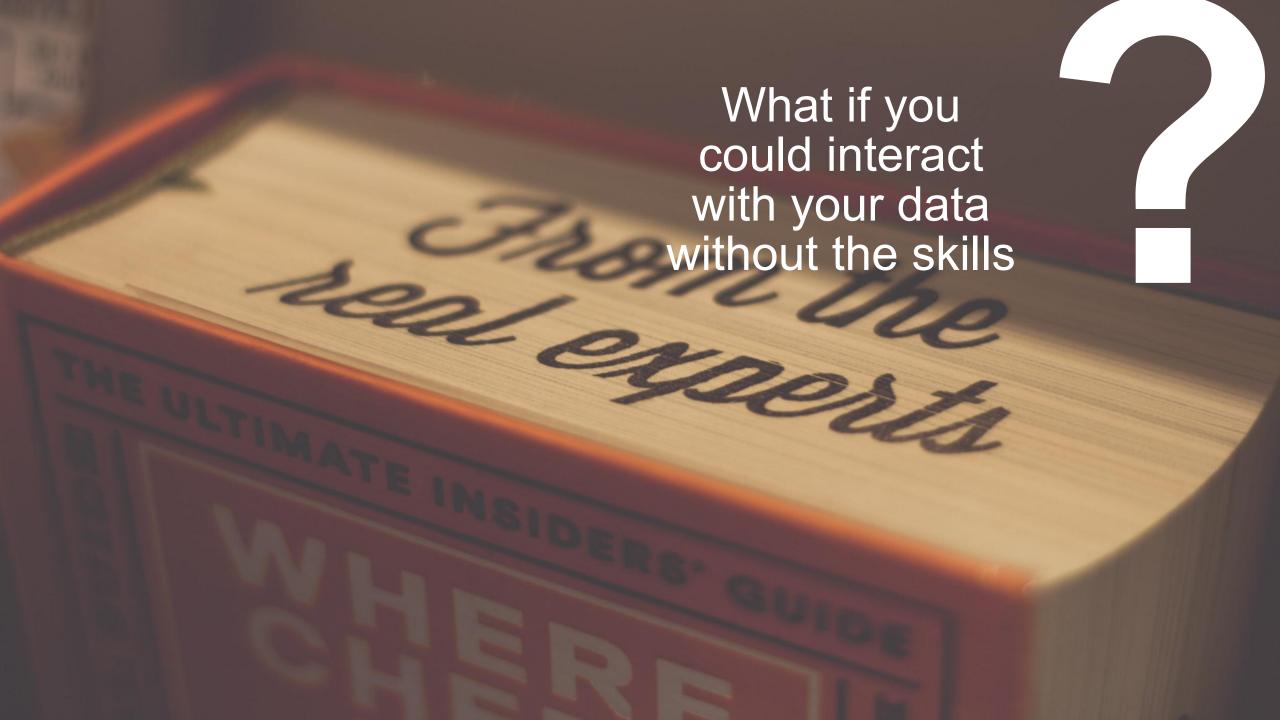
is all over the place



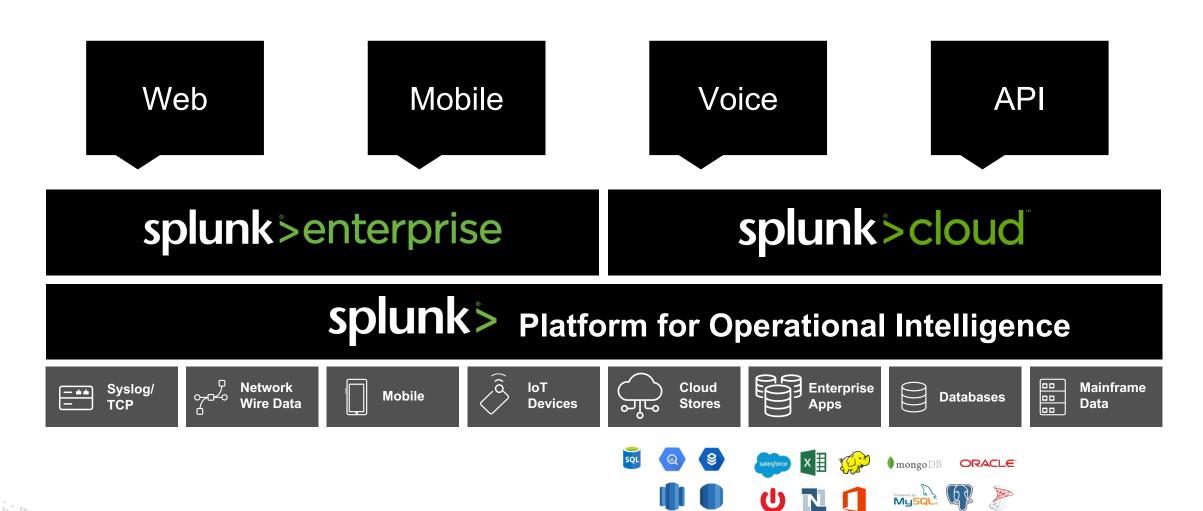


You need training and Ninja skills ... splunk> .conf2017





#### Splunk Data Fabric + Natural Language Processing





#### **Splunk Natural Language Processing**



Query





Communicate

**Automate** 





- Natural language query
- Text or Voice input
- SPL or SQL
- Disambiguation and Context Correction
- Provide recommendations
- Learn from your actions
- Smart data discovery





Time-bound

Time & Context

Aggregation

Identification

Comparison

Ranked

**Exclusion** 

Range

Compute

"sales quarter over quarter in 2015" "sales by country in 2014"

"average price Widget X is sold"

"products with high sugar content"

"number of service tickets in Q1 vs Q2"

"country with highest sales"

"sales by product excluding Widget X"

"countries where sales are > 10m"

"sum of units sold in Canada by store"





- Generate relevant visualization
- Interaction via visualization
- Generate narrative natural language text
- Highlight things of importance





- Set up alerts
- Set up actions
- Send email or other workflow tasks (example: when voice access returns multiple results, ask to send email)



#### Demo!





- Natural language queries
- Disambiguation
- Instant results
- Interactive Discovery
- View SPL
- Run in Splunk



### Can It Work With Your Data?

Yes!

- Any data model in Splunk
- Or Relational Database
- Or an Enterprise application...



### How To Splunk Your Data With Natural Language Queries

1. Connect Data Source

3. Parse and Execute Query









2. Enrich Ontology

4. Communicate results



#### More Demo!





- Adding your own data source
- Query on non-Splunk data
- Slack client using REST API





- Broader appeal
  - Anyone can use
  - Self discovery drives higher engagement
- Faster time to value at lower cost
  - Simplified user experience
  - Productive in seconds
  - Minimal training
- Data driven decisions
  - Analyze structured and unstructured data
  - Historical, Transactional, Operational Data
  - Understand the Why? Not just What?





less like this ...



and more like this ...





See Data Fabric and NLP in Splunk Labs



Sign up for the Beta



dipock@splunk.com



Thank you



# Making machine data accessible, usable and valuable to everyone.





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