





# DATAWORKS SUMMIT/HADOOP SUMMIT

JUNE 13-15, 2017

San Jose McHenry Convention Center

**REGISTER NOW AND SAVE \$1,000** 

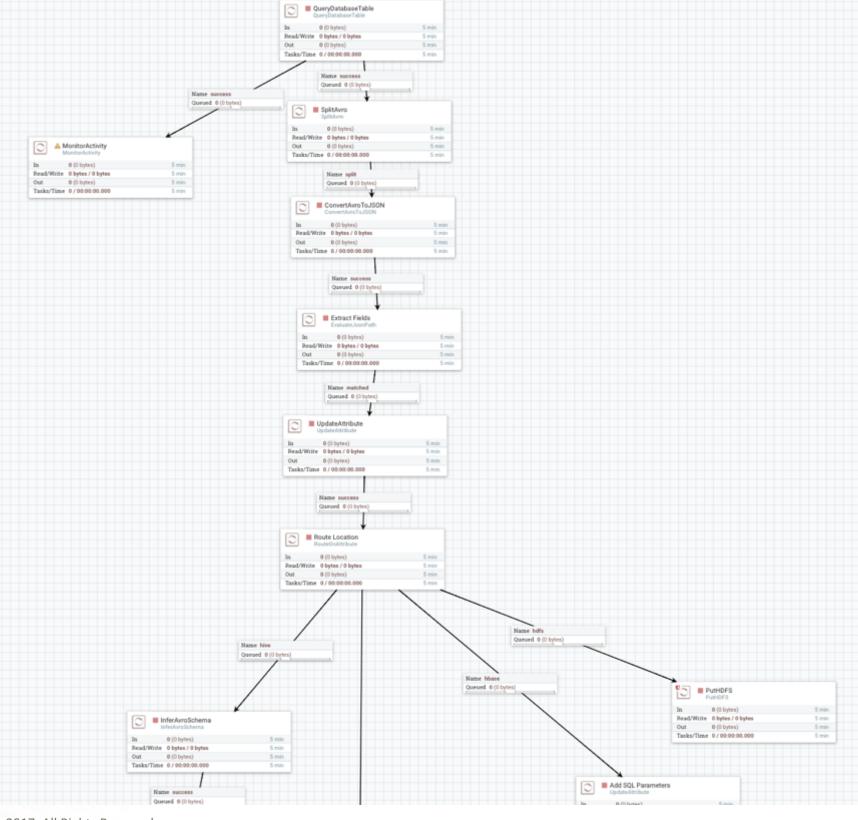
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## **Agenda**

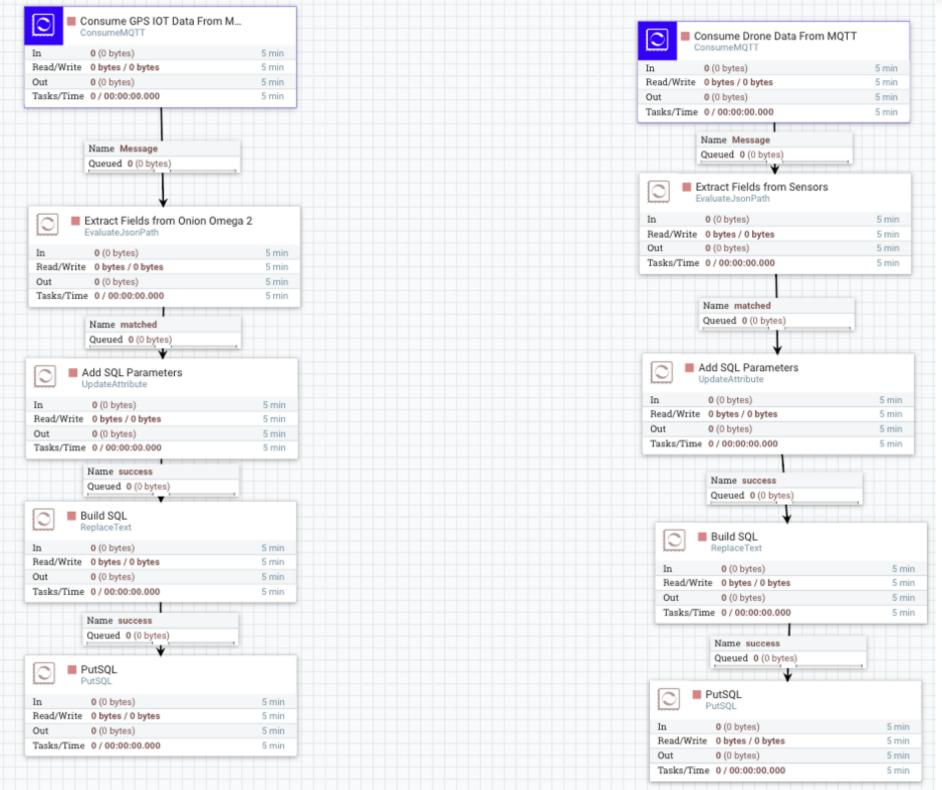
Apache NiFi RDBMS, EDI, JSON, CSV, Sensors

- EDI
- https://community.hortonworks.com/content/kbentry/59975/ingesting-edi-into-hdfs-using-hdf-20.html
- https://github.com/tspannhw/EnterpriseNIFI



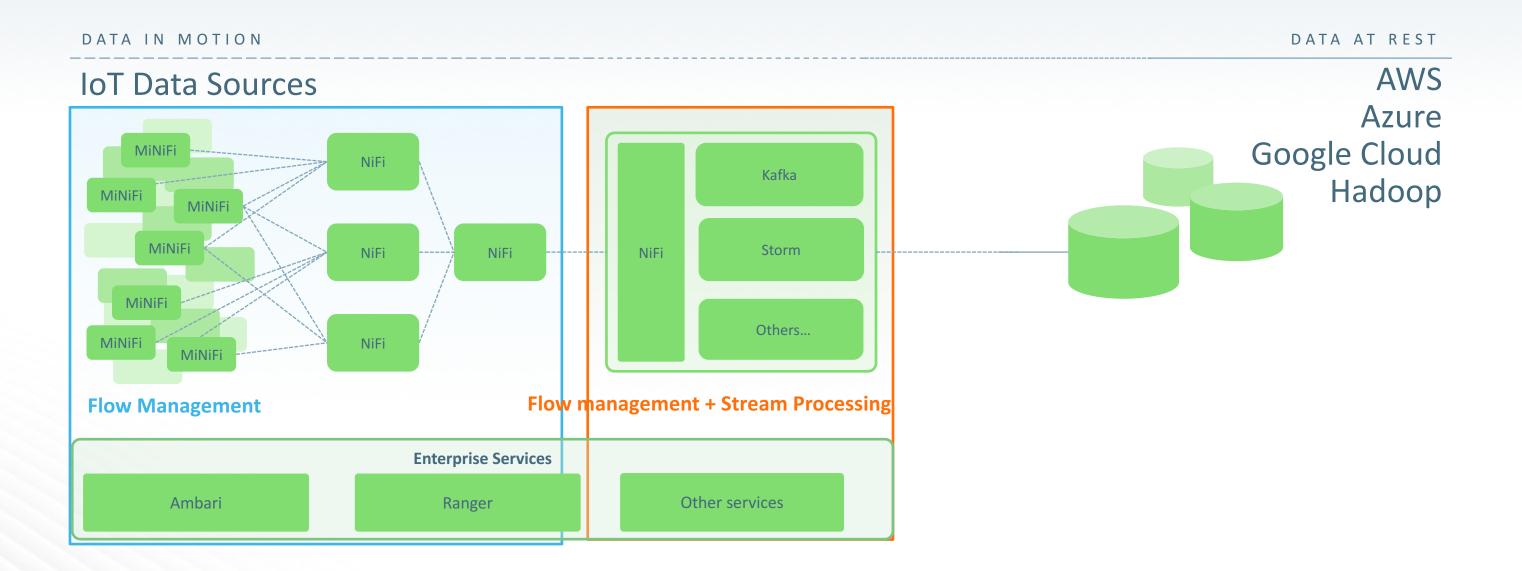






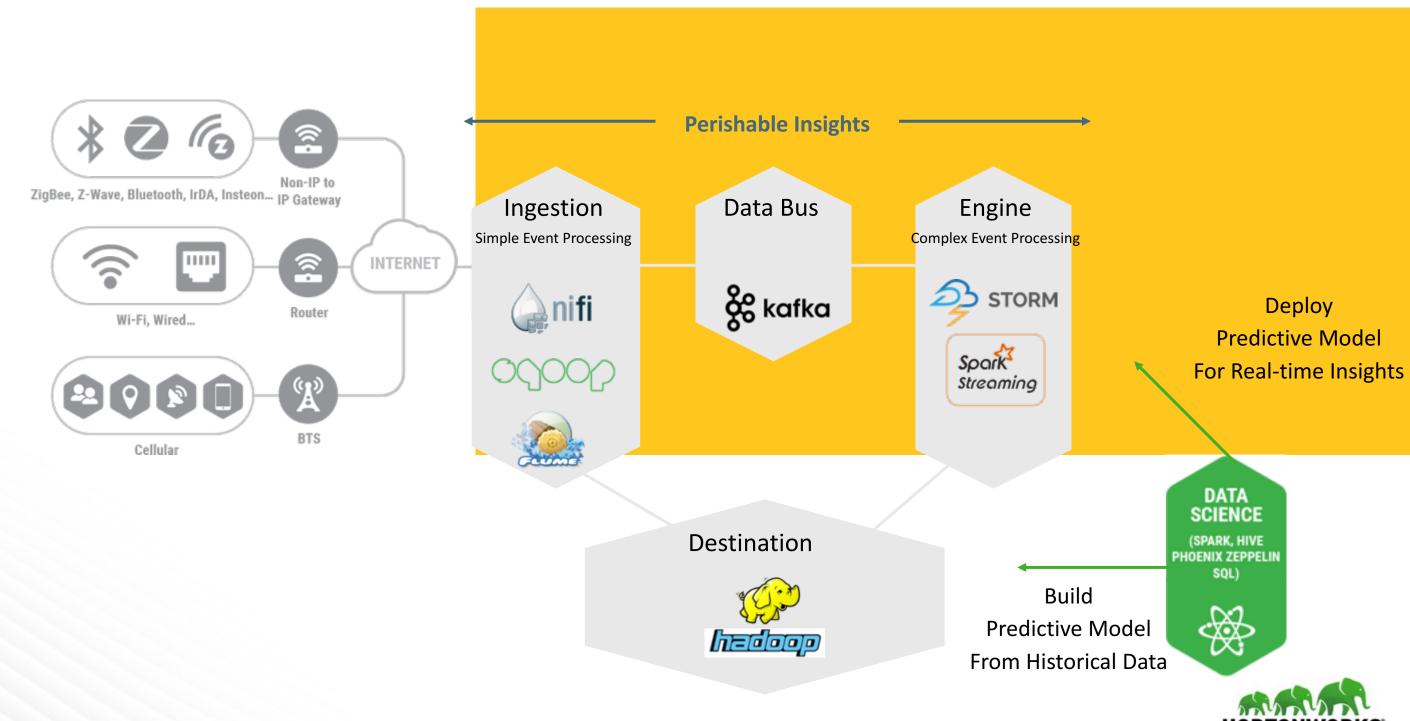


#### **HDF 2.1 – Data in Motion Platform**

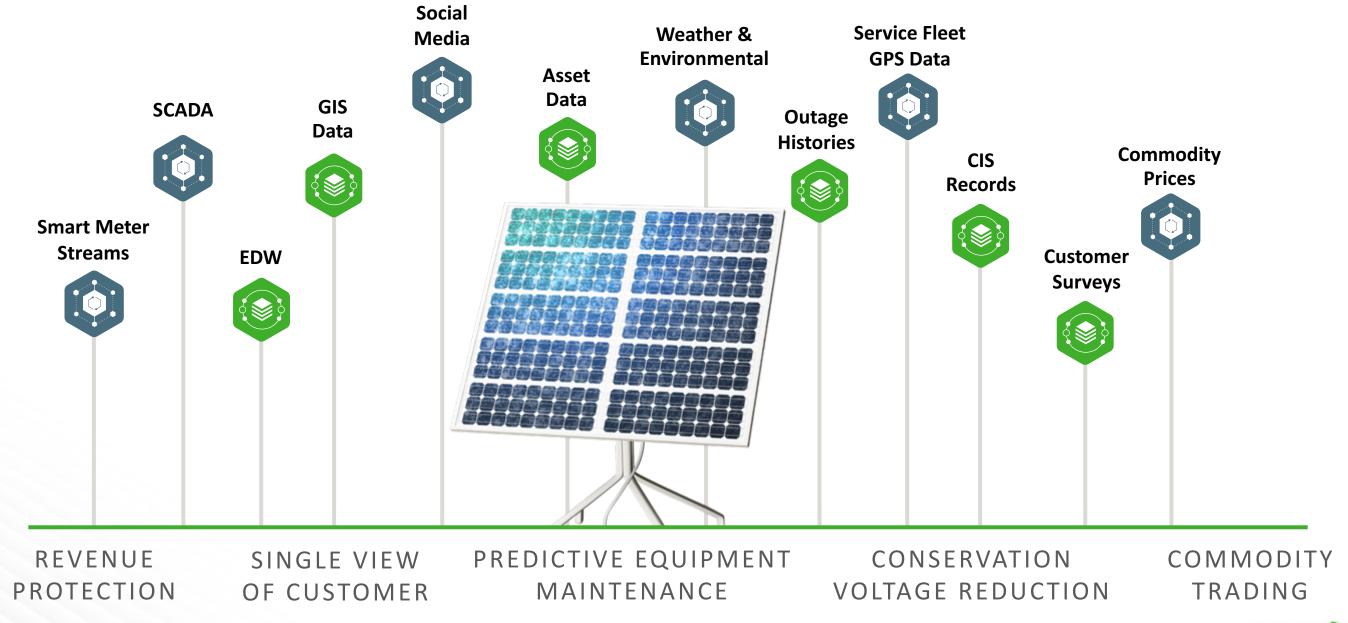




# **Actionable Insights Architecture**



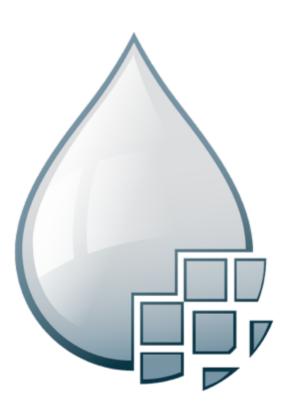
# Actionable Intelligence Transforms Industrial, Transportation & Utilities





## What is Apache NiFi?

- Created to address the challenges of global enterprise dataflow
- Key features:
  - Visual Command and Control
  - Data Lineage (Provenance)
  - Data Prioritization
  - Data Buffering/Back-Pressure
  - Control Latency vs. Throughput
  - Secure Control Plane / Data Plane
  - Scale Out Clustering
  - Extensibility





## **Apache NiFi**



#### What is Apache NiFi used for?

- Reliable and secure transfer of data between systems
- Delivery of data from sources to analytic platforms
- Enrichment and preparation of data:
  - Conversion between formats
  - Extraction/Parsing
  - Routing decisions

### What is Apache NiFi NOT used for?

- Distributed Computation
- Complex Event Processing
- Complex Rolling Window Operations



## **NiFi Terminology**



#### **FlowFile**

- Unit of data moving through the system
- Content + Attributes (key/value pairs)

#### **Processor**

Performs the work, can access FlowFiles

#### **Connection**

- Links between processors
- Queues that can be dynamically prioritized



#### Contact:

Timothy Spann @PaaSDeV

www.meetup.com/futureofdata-princeton

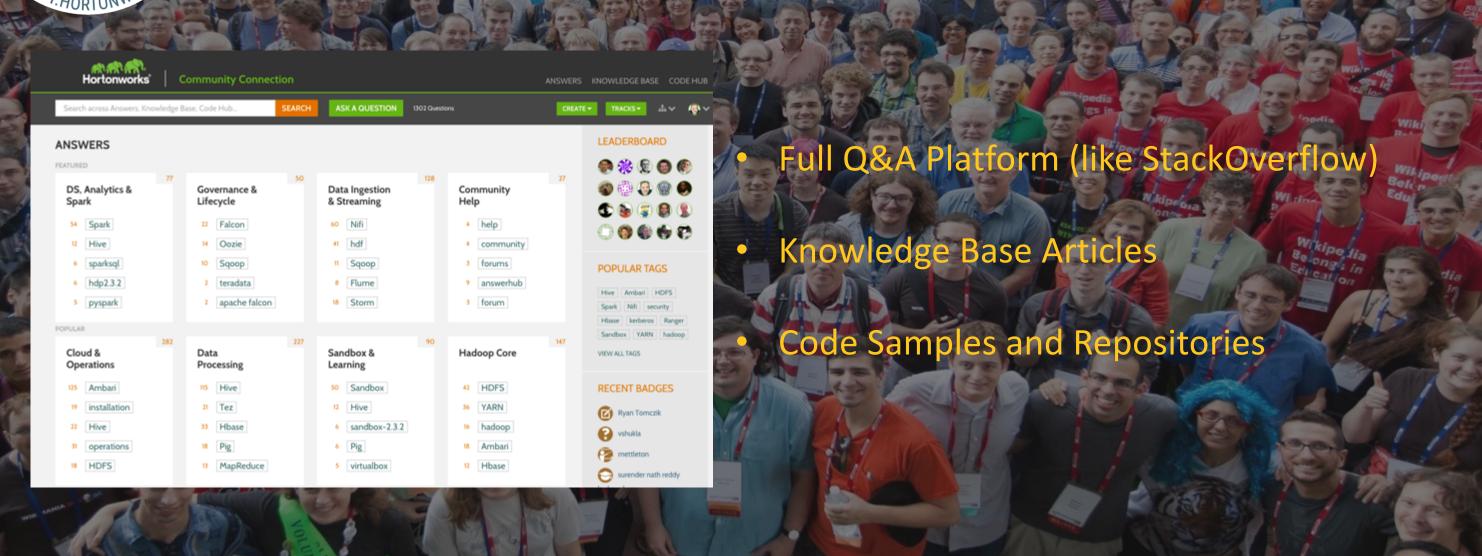
community.hortonworks.com/users/9304/tspann.html







# Hortonworks Community Connection



Read access for everyone, join to participate and be recognized



# Community Engagement

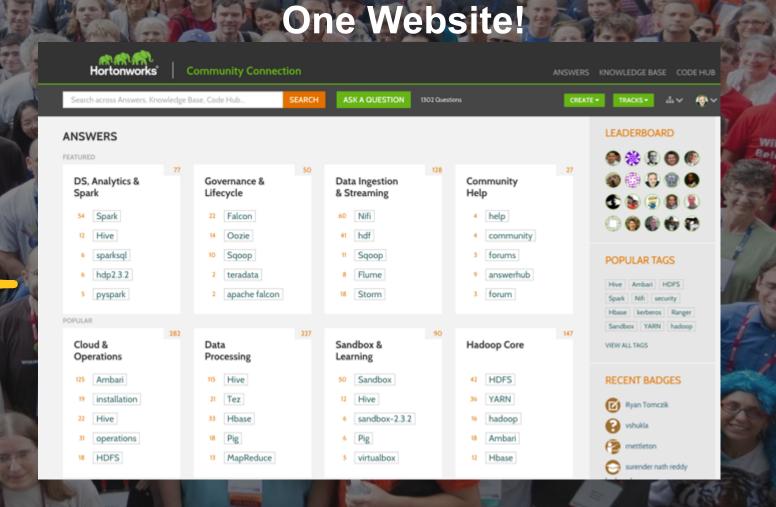
# 4,000+ Registered Users

10,000-

Answers

15,000+

**Technical Assets** 



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