



Jaguar Database

For Internet of Things and AI

DataJaguar • Silicon Valley • USA



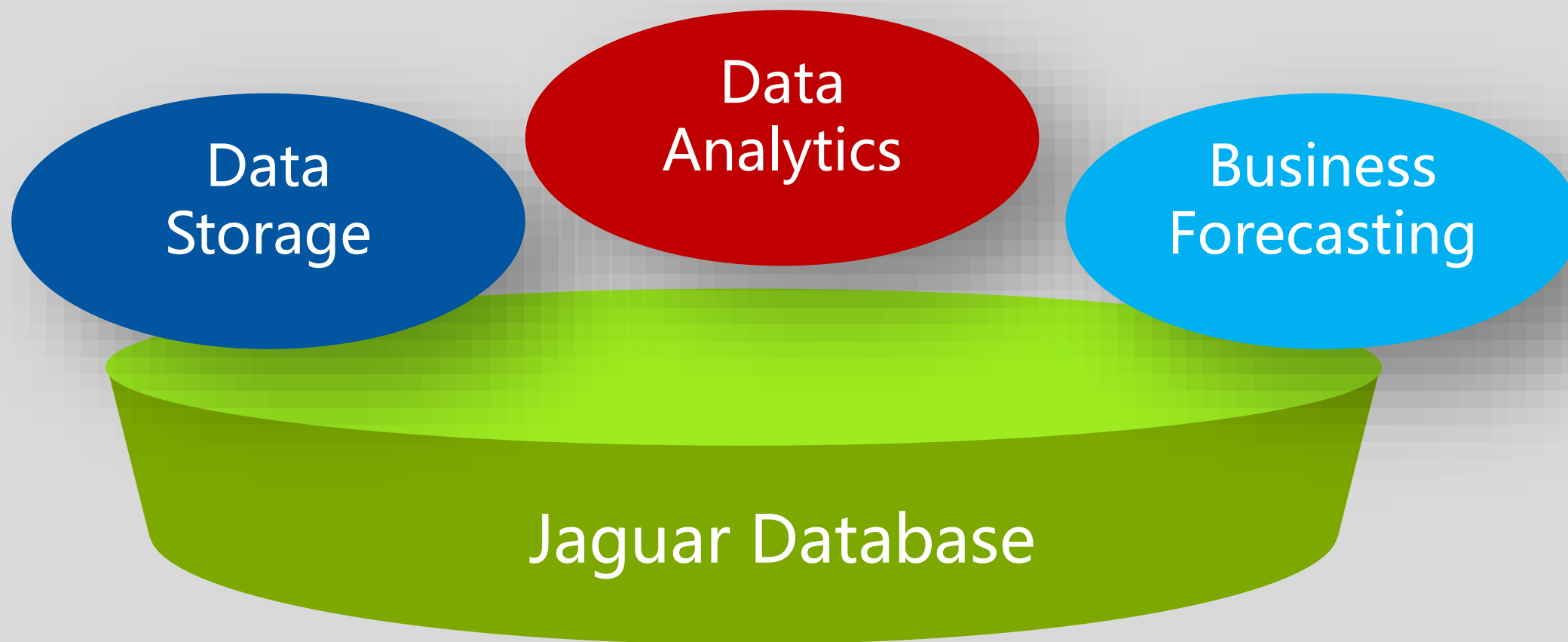
Background of DataJaguar



Since April of 2013, a group of engineers have been building the fastest and the best NoSQL database for Internet of Things and Artificial Intelligence. With Jaguar database, enterprise users can maximize on their investment on the IT infrastructure. DataJaguar, Inc. was incorporated in 2013 and is located in San Francisco bay area, which has been continuously the center of innovation in the world.



Function of Jaguar





Jaguar Advantages



- ✓ 20 year old technology breakthrough
- ✓ 15 times faster, scaling 100,000X faster
- ✓ Database for IoT and AI Big Data



Jaguar Product Suite

NoSQL Database
JaguarDB

Messaging
JaguarStream

Deep Learning
JaguarFlow



Easy Installation and Use

**Standard SQL reducing
development cost**

**One command installation
saving days of labor**





Easy To Maintain

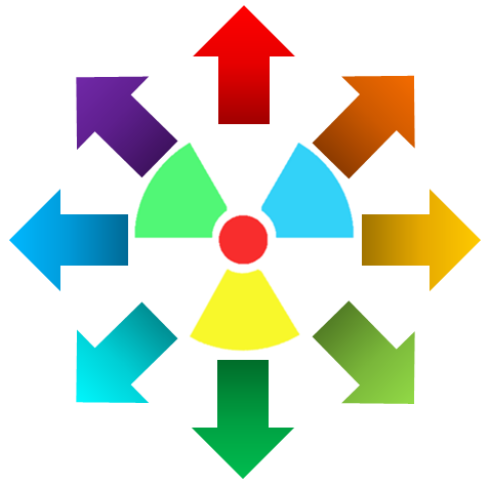


Data Replication And Restoration

1. Three data replicas in any time
2. Fault tolerance against server and network failures



Easy To Scale Out

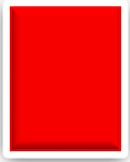


Unlimited Scaling Out

1. As database size grows, cluster scales out anytime
2. Seamless scaling process in seconds with no interruption
3. Scales out thousands of database servers



Scale Out 100,000X Faster



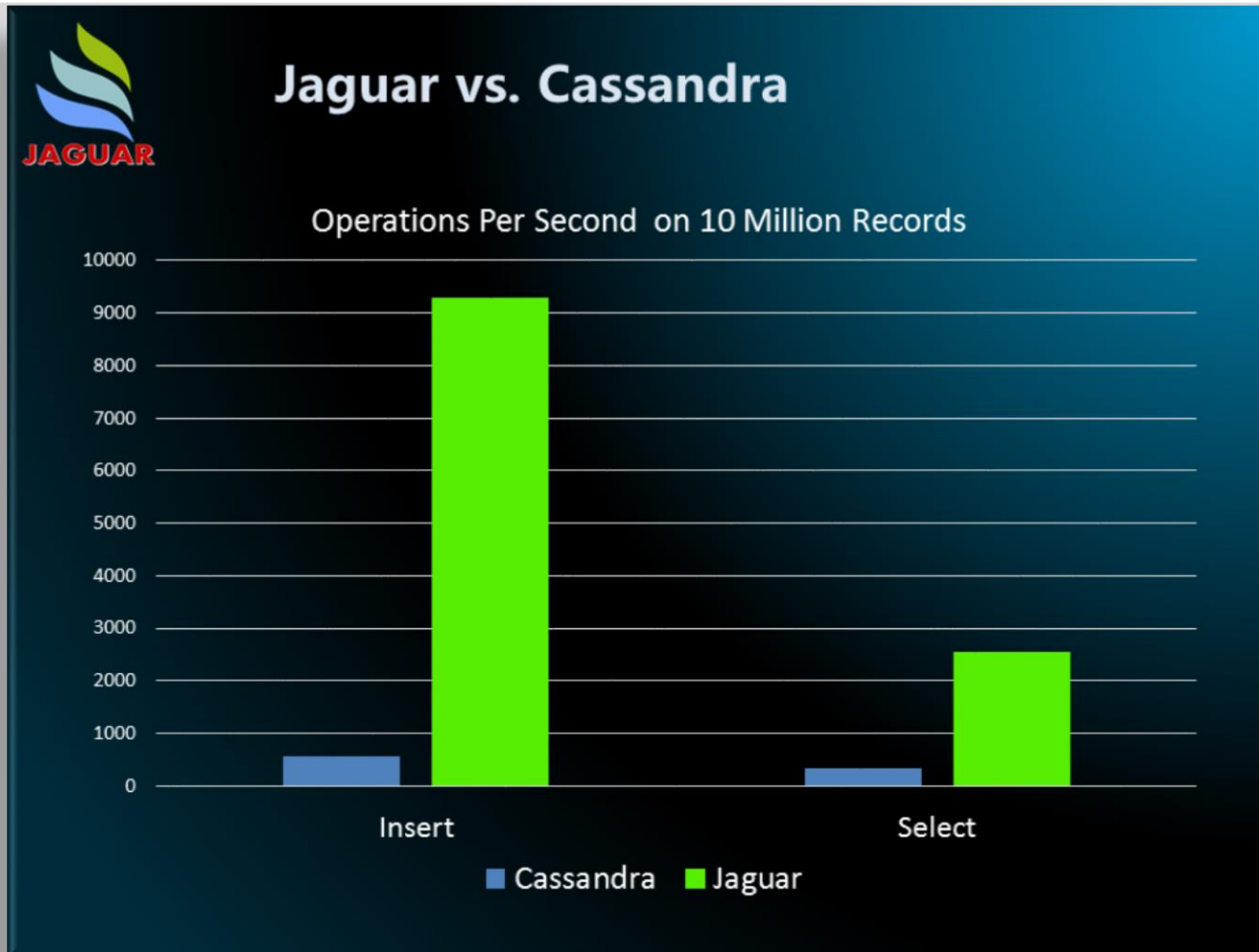
Jaguar Instant Scaling Out
The One And Only Database That Can Do So

Comparing To Others

	MySQL	MongoDB	Cassandra	Hadoop	Jaguar
Scalable	✗	✓	✓	✓	✓
Easy Scale	✗	✗	✗	✗	✓
SQL Support	✓	✗	✓	✗	✓
High Performance	✗	✗	✗	✗	✓



Jaguar Speedup 15X





Jaguar Metrics



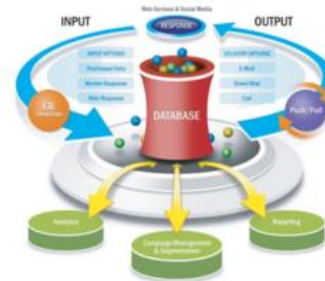
- ✓ Storage of 1000TB data size
- ✓ Single query in 1 millisecond
- ✓ Cluster of thousands servers
- ✓ 100,000 concurrent connections
- ✓ Scale hundreds of hosts in 1 second



Jaguar Major Features



- Create and drop tables
- Create and drop user accounts
- Create and drop tables
- Create and drop indexes
- Insert data records
- Update data records
- Select data records
- Delete data records



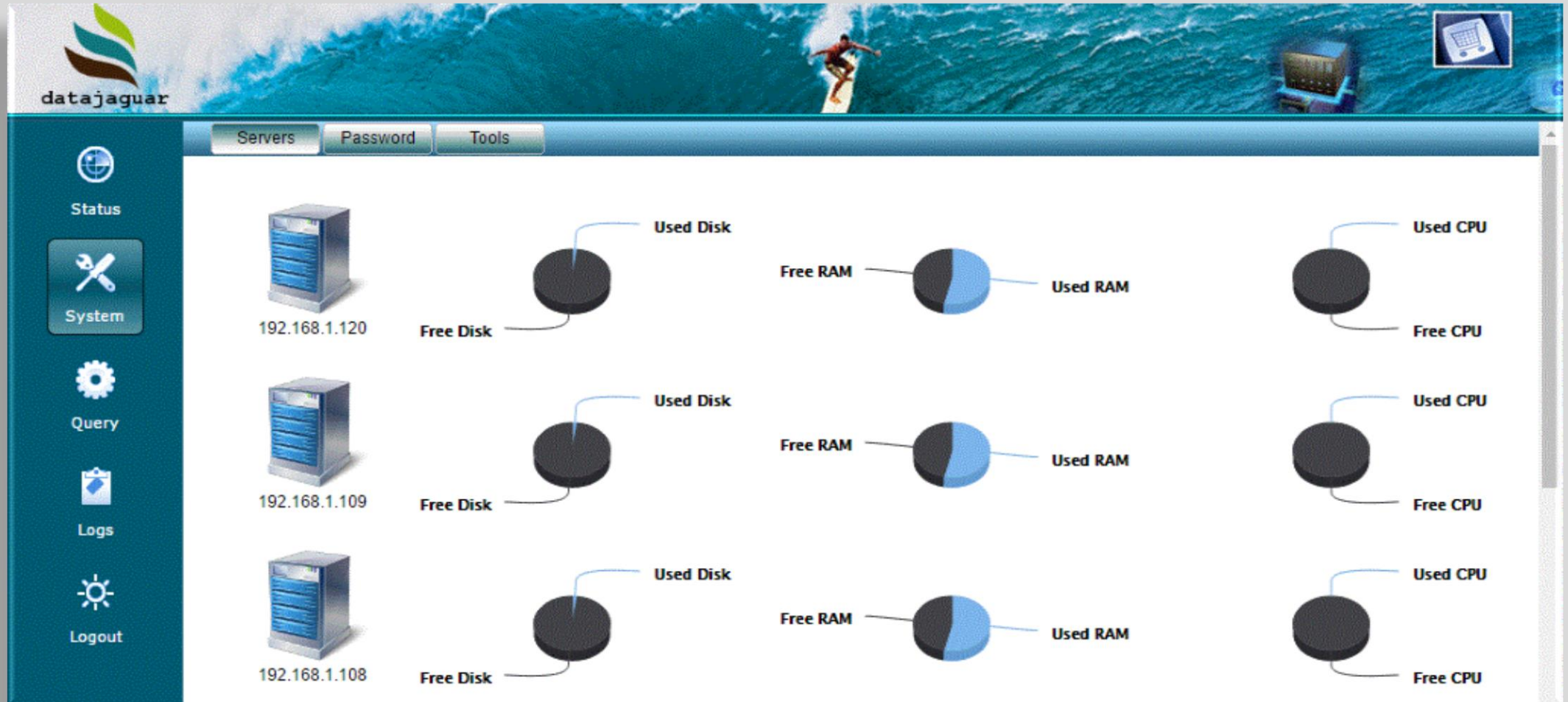
- Sum and aggregation
- Group By computing
- Order By arrangement
- Table joins
- Import batch data
- Export data to file
- Real-time replication
- Remote data replication



- SQL syntax support
- Repair corrupted tables
- One script cluster scaling
- Web based admin
- Machine learning
- Hadoop map reduce
- Spark analytics
- Kafka messaging support



Current Release 2.7.0





Important Patent Grant

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Customer Use Cases



Jaguar assists RongLian in smart transportation and logistics for its clients' data center operation.



Jaguar assists Synqy to store and deliver intelligent content to its clients serving over 3 million members.



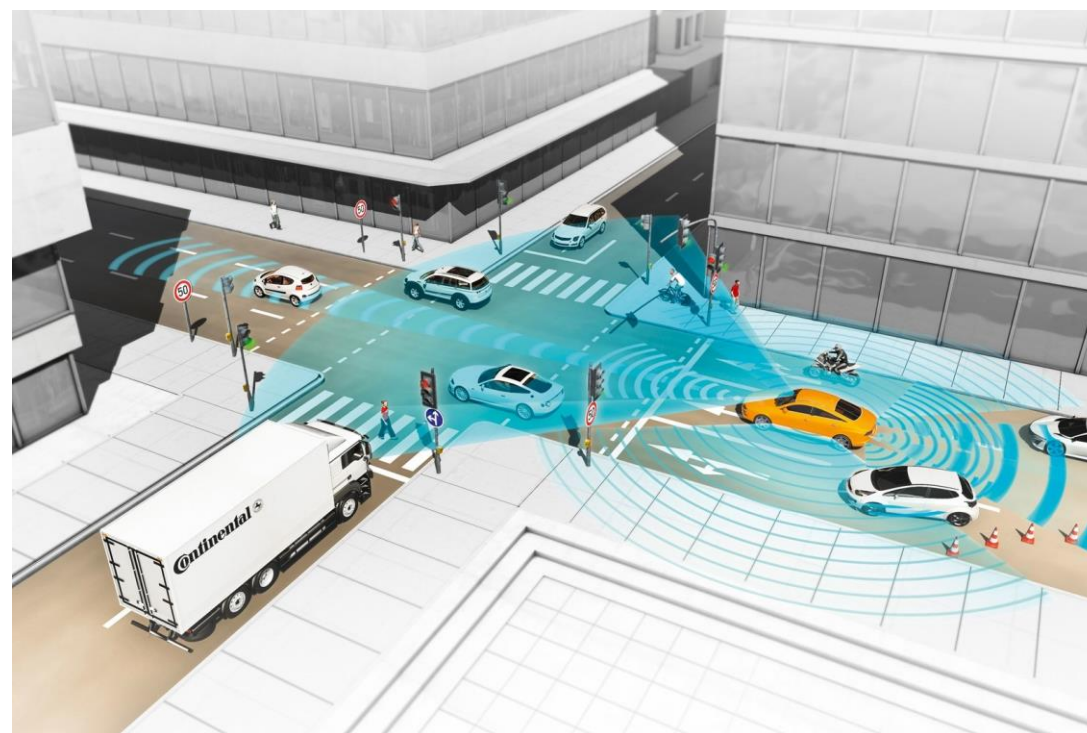
Quantea uses Jaguar for fast data ingestion and lookup in providing network security to enterprises.



ZKYQ uses drone technology and Jaguar database to monitor and evaluate water ecosystems.

Jaguar in Smart Transportation

- ✓ Collect, aggregate, report auto operation
- ✓ Speedometer, engine speed, brake condition
- ✓ Mileage, fuel consumption, mechanical, tire
- ✓ WIFI、Cellular、ZigBee、Thread protocols
- ✓ Cloud-based data center system
- ✓ Localization, proximity, service station lookup
- ✓ API to integrate with IoT sensors
- ✓ Data security, data replication, fault-tolerance
- ✓ Auto, driver identity fast lookup
- ✓ Transportation data storage, computing, reporting
- ✓ Ensure transportation smooth operation



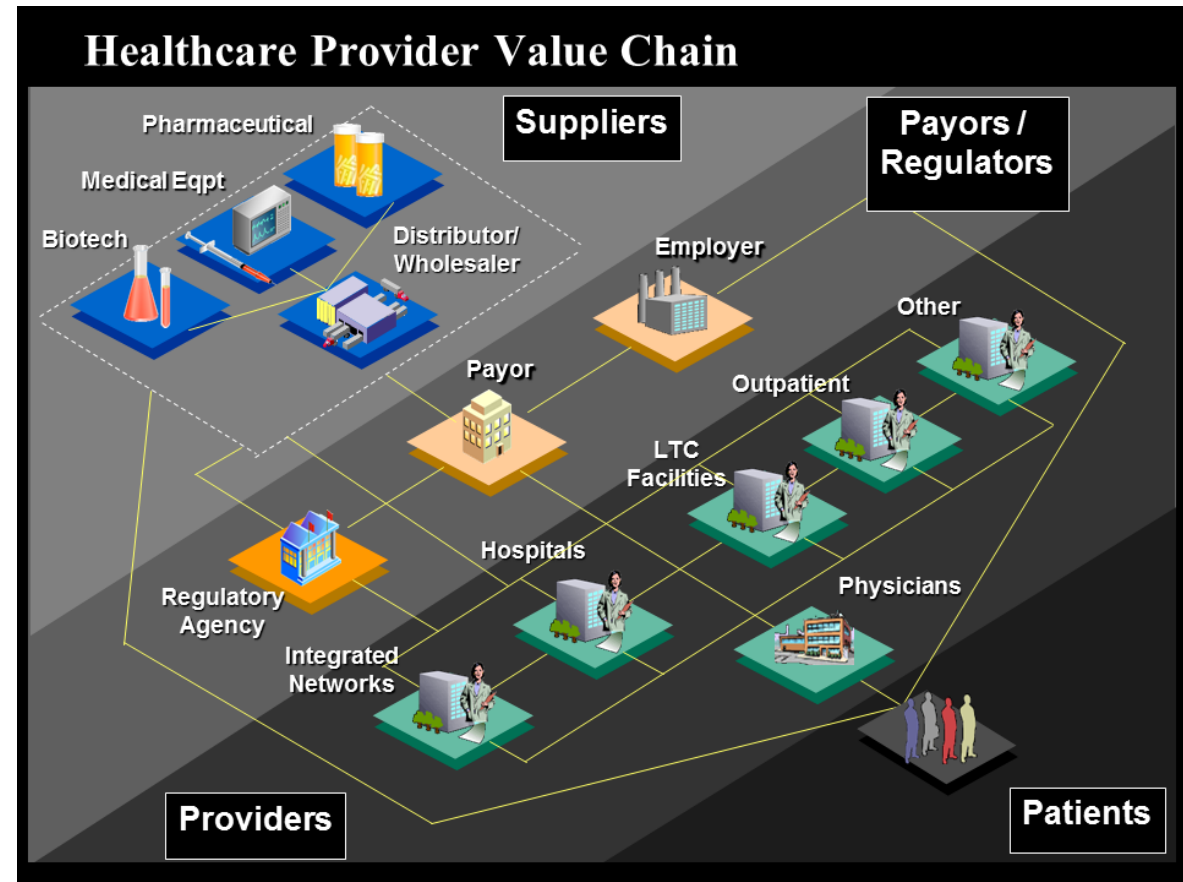
Financial Time-Series Data

- ✓ Managing time-series data
- ✓ Forecasting business price trends
- ✓ Building effective financial models
- ✓ Optimize financial engineering
- ✓ Maximize asset returns
- ✓ Deep learning for algorithm trading
- ✓ Research thousands of dimensions



Jaguar In Health Systems

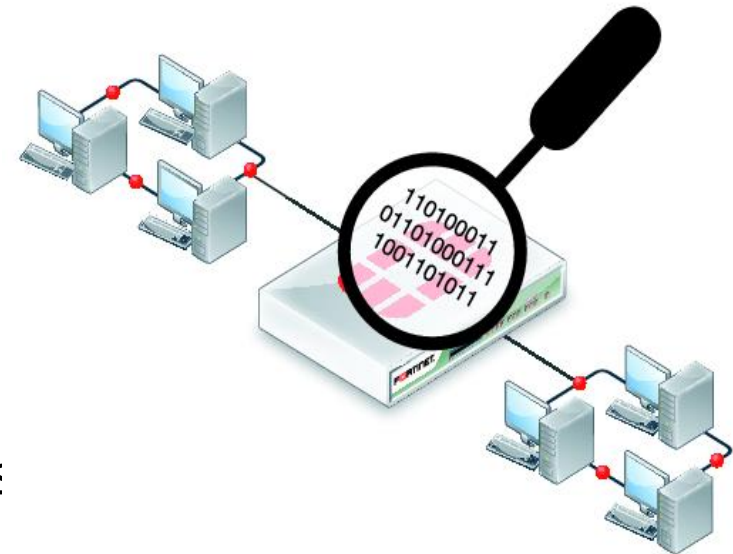
- ✓ Store data from PDA、RFID sources
- ✓ Database for patient profiles
- ✓ Diagnostics, drug, patient care activities
- ✓ Support Bluetooth, WiFi, Cellular, ZigBee
- ✓ Equipment, device, room management
- ✓ Medical tests, work flows
- ✓ X-Ray, Ultrasound, CT , video file storage
- ✓ ER processing
- ✓ Blood donation partnership management
- ✓ Web appointment, changes, lookup
- ✓ Disease analysis, trending, AI deep learning





Internet and IoT Security

- ✓ Jaguar to record data packets in the net
- ✓ Analysis and tracking of suspicious events
- ✓ Replay of net traffic in last two weeks
- ✓ Fast detection of unusual traffic patterns
- ✓ Protect and prevent from malicious attacks





Chip Factory Quality Assurance

- ✓ Jaguar stores all assembly line data
- ✓ Fast analysis of product quality
- ✓ Reporting production result in stations
- ✓ Tracking sources of defects





Homeland Security Check

- ✓ Real-time tracking and monitoring
- ✓ Detect criminal activities
- ✓ Tracking suspect communications
- ✓ Fast prediction of criminal targets
- ✓ Analyze crime patterns



Electrical-Grid Systems

- ✓ Storage of production data
- ✓ Data mining and sharing
- ✓ Sales data management
- ✓ Prediction of accidents
- ✓ Minimize supply downtime



Smart Food Service

KAFKA MESSAGING



SPARK STREAMING

Gift Card

Personal

Order

Payment



Thank You

Jaguar
Leads IoT and AI Big Data

www.datajaguar.com