

IBM Informix Roadmap

Informix User Group Meeting – Atlanta
Wednesday, April 17, 2019



Please note

- IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice and at IBM's sole discretion.
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- The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code or functionality. Information about potential future products may not be incorporated into any contract.
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- Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

IBM Informix Roadmap



Informix v14.10.xC1

- Major Performance Improvements
- InformixHQ bundled
- Increased uptime, better TCO
- Enhanced Workgroup limits
- Compression included in Enterprise edition
- New VPC metric available
- Security Updates
- Spatiotemporal Improvements
- Up to date OS and platforms
- Dockerized

Q2-19

- SLES 15, Win 19 OS support
- EGM Fixpack
 - Oracle v12, SQL Server 2016 support
- 12.10.xC13 Fixpack
 - Defect Fixes
 - ☀ InformixHQ availability

Q3-19

- 14.10.xC2 Fixpack
 - ☀ InformixHQ v2
 - ☀ Full KMIP support
 - Prioritized RFEs and defect fixes
- RHEL8 Support
- 4GL Fixpack
 - updated OS levels
 - P9 LE support
- 14.10 available in ICP4D add-on Catalog

Q4-19

- 12.10.xC14 Fixpack
 - Defect Fixes
 - ☀ InformixHQ v2

Under Research

- LinuxONE platform support
- Smartblob Compression
- Backup from RSS or HDR Secondaries using ontape, onbar, dbexport, onunload
- ☀ Super Scaleout
- ☀ Multi-model Geodetic Support

GA - March 14, 2019!

2019

2020 And beyond

IBM Informix Into the Future

Energize Modernize Innovate

<http://ibm.biz/AnalyticsRoadmaps>

Delight the Client

- Single install of language drivers
- InformixHQ admin and machine learning options ongoing
- Backup from RSS or HDR Secondaries using ontape, onunload, onbar, dbexport
- Compress Smart Blobs
- KMIP – External encrypted key mechanism
- BI and Data Visualization via 3rd party tools - Grafana
- More autonomics 7*24*365 uptime
- Unicode Phase 2 – expanding limits for wider rows, bigger page sizes, wider indexes...
- Perf improvements for NUMA
- Asynchronous connections
- Go driver support and others

Expand on Cloud

- Elastic Scaling in the cloud
- Helm charts for easier containerization

Optimize for IoT

- Simplify TimeSeries API
- Enhancements for IoT device support
- Sensors in motion
- Edge-2-Cloud Solution Stack
- Finer grain (microsecond) for Timeseries
- Enhanced BlockChain Integration
- TimeSeries compression on other datatypes

Cross Focus Items

- Defect fixing and backlog reduction
- Collateral
- Developer Ecosystem and Community Engagement
- Competitive analysis
- 3rd party integrations
- SQL Compatibility Enhancements

<http://ibm.biz/IBMAAnalyticsIdeasPortal>

Innovation – Multi-Model

Completed

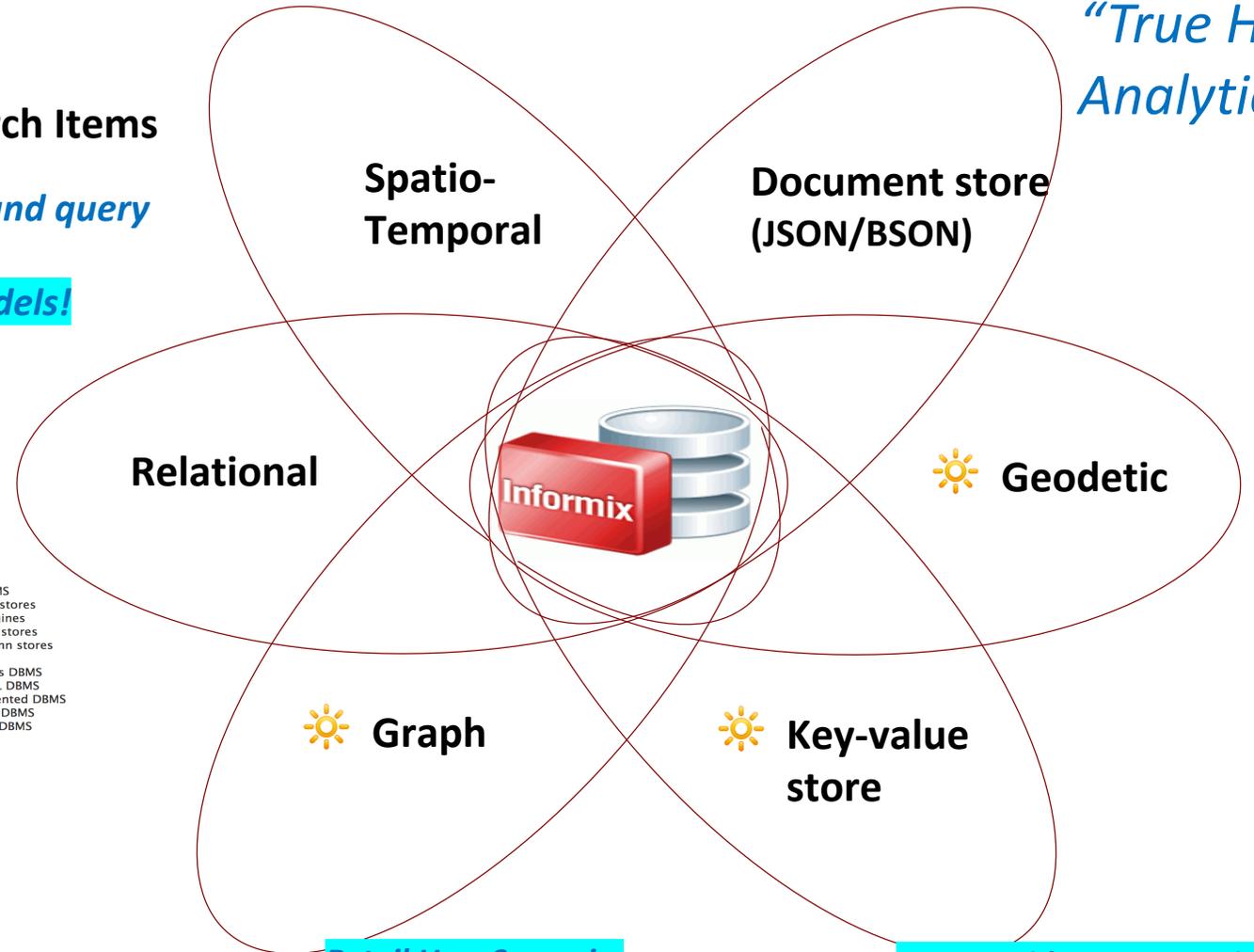


Innovation Research Items

A Multi-Model database is one that can store, index, and query data in more than one model.

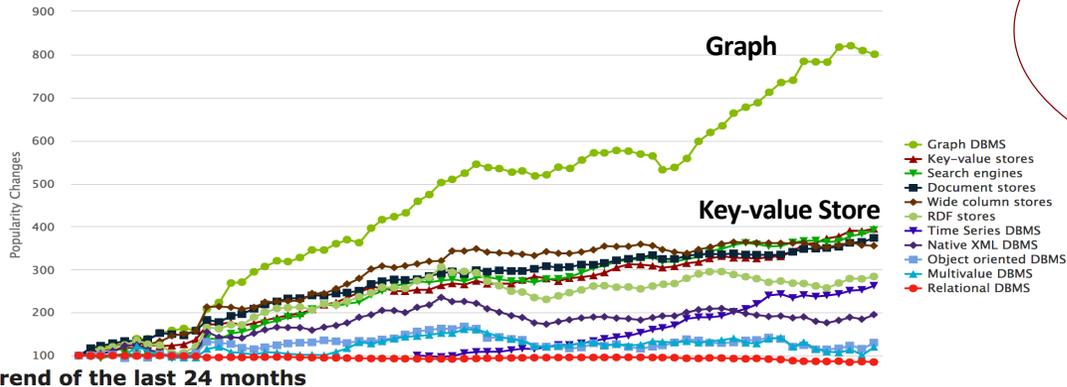
Informix can store, index, and query data ACROSS Models!

“True Hybrid Analytics”

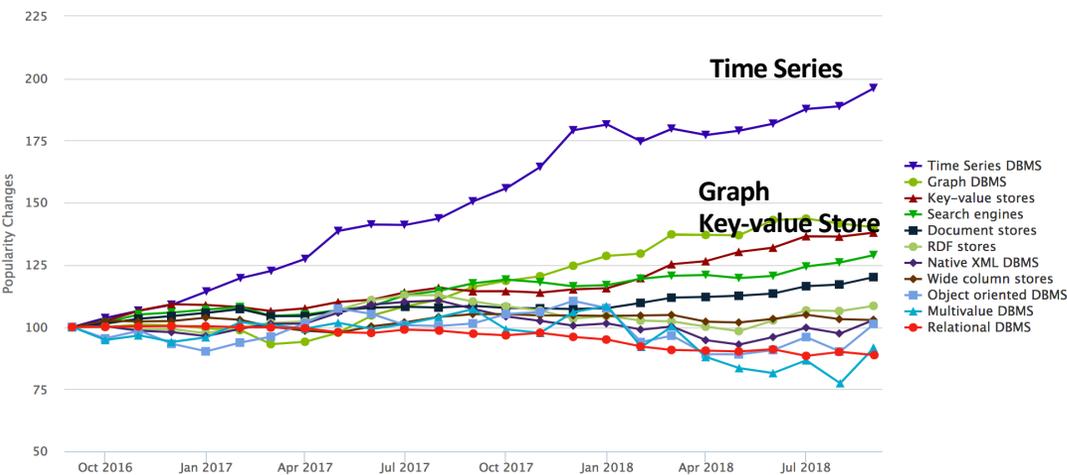


Model Popularity Trends

Complete trend, starting with January 2013



Trend of the last 24 months



Graph

Retail User Scenario:

Data Stored in:

- JSON - Metadata on products
- Key Value Data Store - Pricing/SKU
- Graph - Reliability of the supplier

You are able to find the description on a specific product, its price, and vendor information all in one query

Smart Grid User Scenario:

Data Stored in:

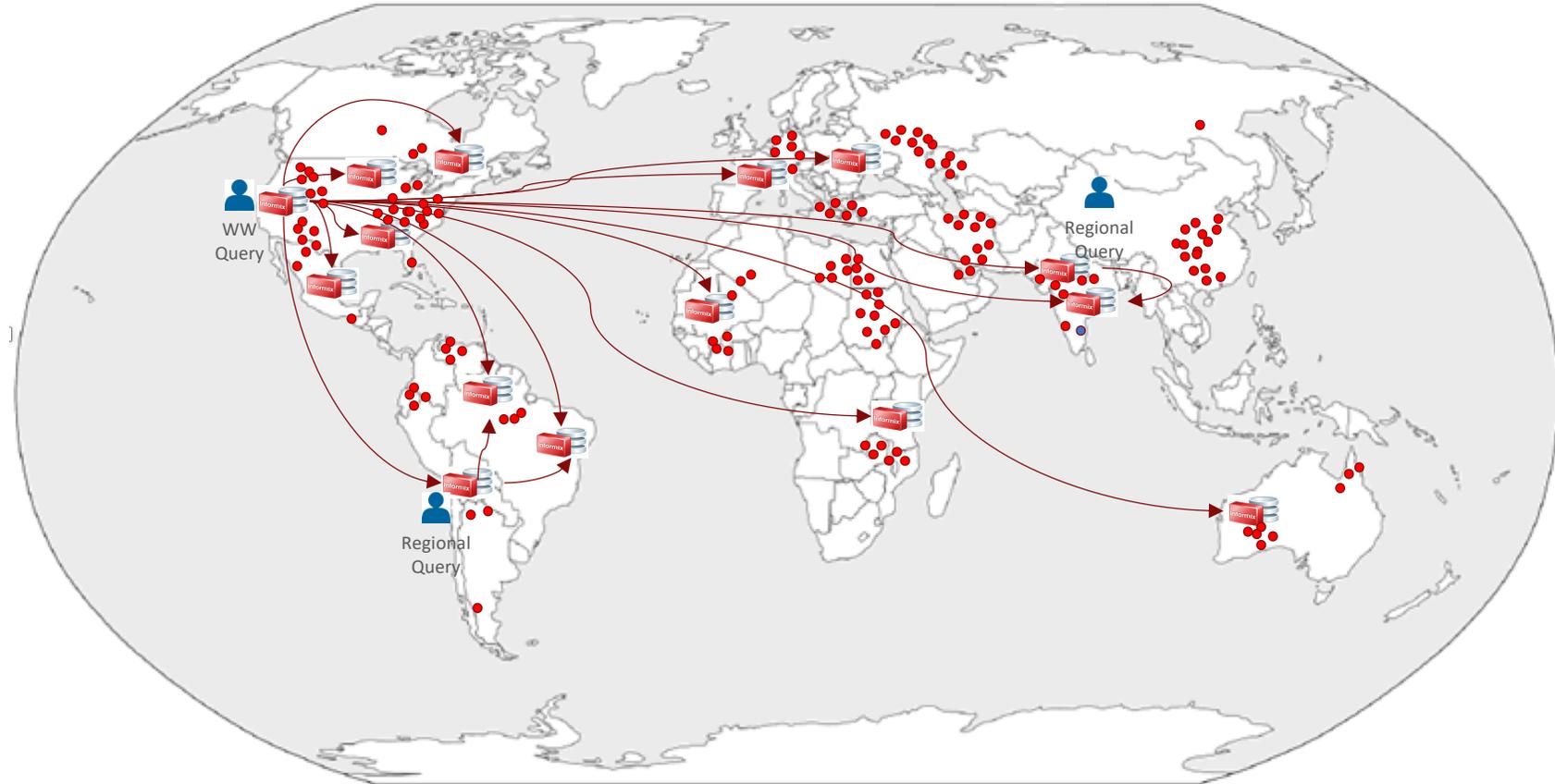
- Graph – Electricity Grid
- Relational - Revenue by Customer

Find how many customers are affected by an outage and the revenue they bring in all in one query

Innovation – Super Scaleout

“Keep data where it originates; access it from anywhere”

- **Ability to Scale out to 1000's of nodes**
 - Nodes can be anything from stores to sensors
 - Commodity hardware
- **Keep the data local**
 - GDPR
 - Faster regional access
- **Queries survive inaccessible nodes**



Phase 2

- Fog Computing – scaling to 100's of 1000's of nodes
- No Downtime for Schema updates and Upgrades with no downtime

Innovation – Machine Learning/Self Healing

This is the database equivalent of a “driverless car”.



Every Informix customer expects 100% uptime, stability, and peak performance.

1. Gather statistics on vital engine stats and actions
2. Review statistics for trends
3. Anticipate thresholds and take corrective action
 - Runbooks built into the admin tool
 - Alert
 - Health-check

Trend Use Cases:

- Storage
- CPU/mem usage
- Indexing/update statistics
- User

Questions and Open Discussion



<http://ibm.biz/IBMAalyticsIdeasPortal>

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