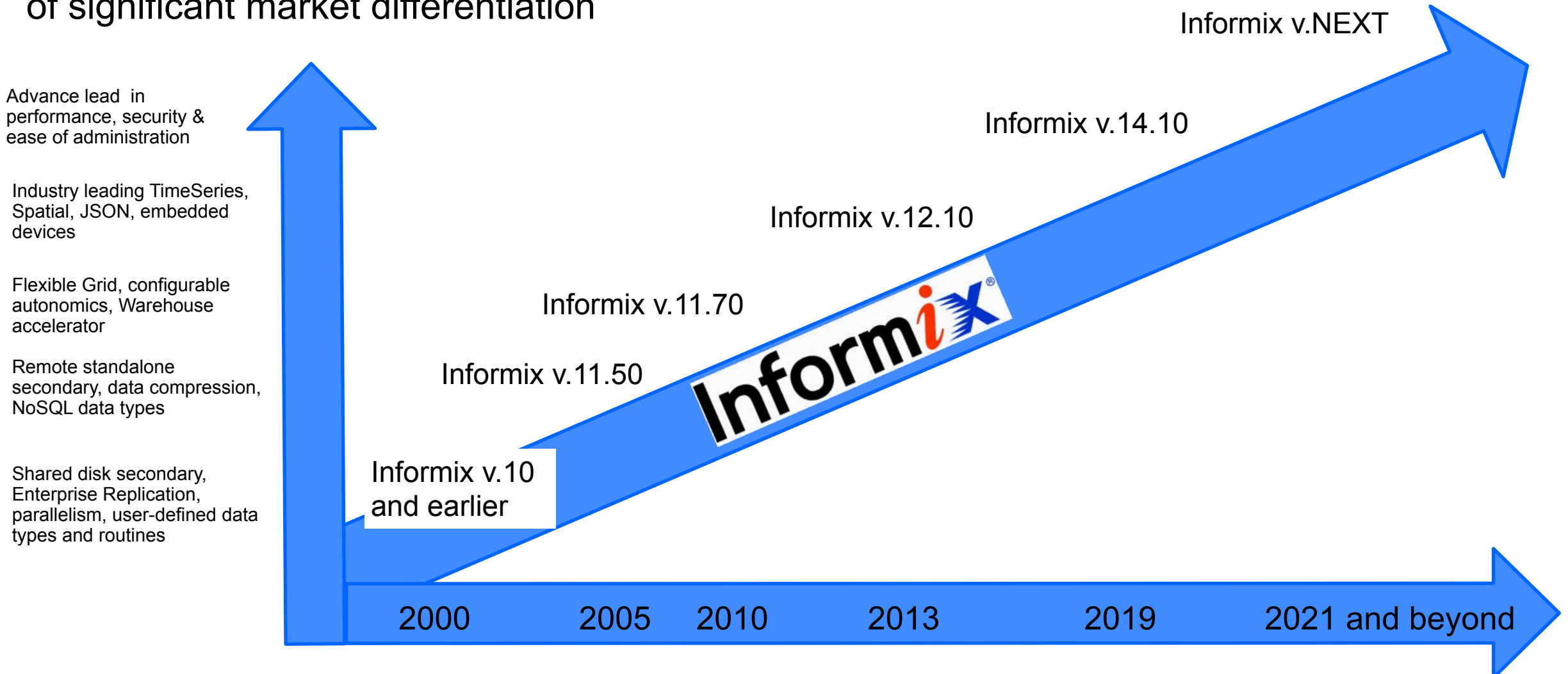


Why IBM Informix for Internet of Things?



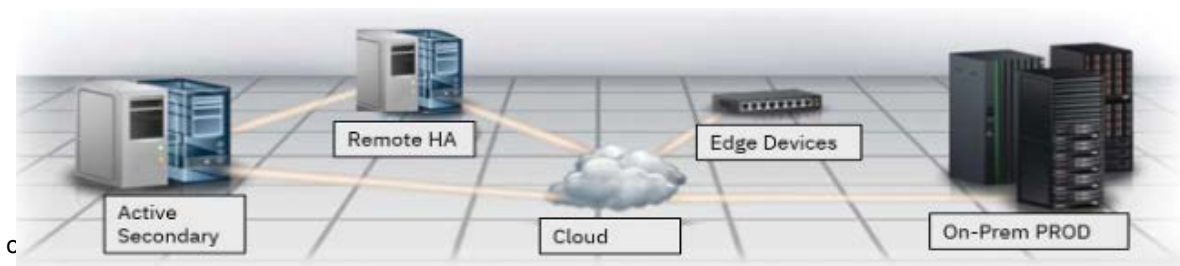
Why Informix in IoT?

- IBM Informix (Informix) is an enterprise-class object-relational database offering 30+ years of significant market differentiation



Why Informix in IoT?

- Informix provides unmatched distributed transactional processing
 - Process +2M transactions per second with full consistency
 - Seamless scalability from 700 to 75K or more concurrent users within 30 seconds
 - Advanced resource utilization extract 10x per core performance compared to other databases
- Informix provides unmatched business continuity
 - Advanced data availability, active-active clustering, heterogeneous replication and data sharding
 - On-prem to cloud replication, point-in-time replication
 - Cross geographic replication, edge computing replication, shared disk clustering
- Informix provides unmatched embedded integration
 - Run in the smallest capacity devices and gateways
 - Install footprint under 100MB running on ARM edge gateways
 - Proven Enterprise database for edge computing



Why Informix in IoT?

- Informix easily answers all the requirements for IoT workloads

Massive volume of device data

Tons of Real-time data generated at different rates from sensor devices and RFID tags need to be stored and queried with storage savings and high performance

Understanding where things are

Handle location-based data, querying spatial attributes of the data, combining spatial and non-spatial data within the same query

Making sense of device-generated data

Ability to apply analytics to get insights and actionable information from sensor-based data; being able to understand behavior, patterns and trends of sensor data

Acting on different data structure and needs

Ability to address the complexity of storing and querying both structured and unstructured data, ability to effectively handle mixed data requirements and needs

Fast deployment, dynamic and uncertain environment

Ability to deploy IoT services fast; ability to offer security and privacy in devices and clouds, always-on and fast platform; ability to scale out and respond under uncertain environment



Time Series / Smart Sensor Data Awareness

Database with smart built-in timeseries technology that offers high storage savings, query performance and flexibility for time- stamped sensor data

Location-Based Data and Services

Database with smart built-in spatial data technology for speed and intelligence at storing and querying location-based data

Real-time Analytics on Time Series Data

Database that enables extreme performance technology for analytic queries on large amount of time-stamped sensors data

Hybrid Database: Structured and Unstructured Data

Database that enables of structured (SQL) and unstructured (NoSQL) data, ability to handle SQL and JSON/BSON; ability to handle mixed workload with flexibility and performance

Always-On, Robust Embedded Database for Cloud

Database for deployment in both Clouds and Devices with highest levels of Availability, Security, Performance, Robustness, Scalability and Flexibility to cope with the uncertainties, rapid service deployment and SLA needs in embedded systems, cloud and shared platforms