kx | it's about time

Streaming Analytics & Kx

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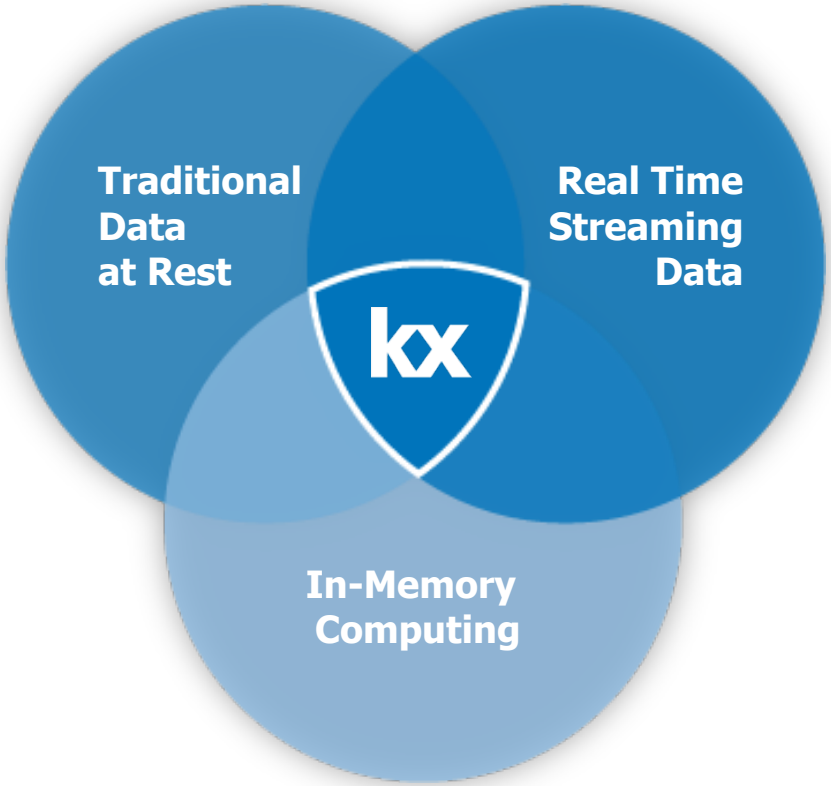
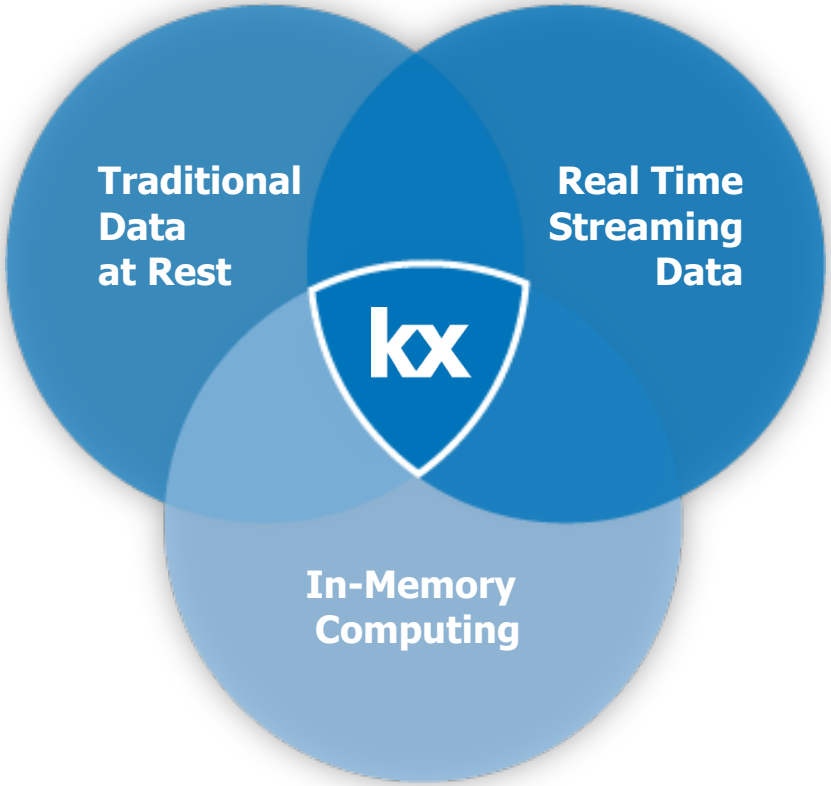
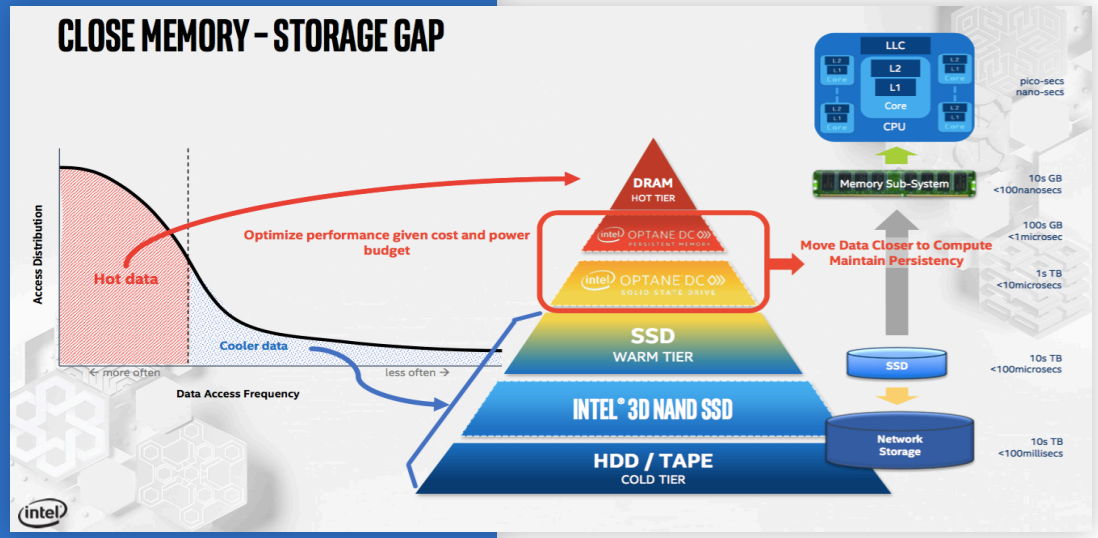


"Most of our clients are extremely aware of the fact that they need a really solid data architecture – part of that data architecture will absolutely require access to in-memory technology, and that's where our customers see us fitting in."
Gerry Buggy
Chief Strategy Officer, Kx



Version 4.0 – New Features

- Kdb+ 4.0
  - Multithreaded primitives
  - Data-At-Rest Encryption (DARE)
  - Intel's Optane Persistent memory
- Kdb+ Dashboards Direct
- AutoML
- Kdb+ Serverless



Intel's Optane Persistent memory

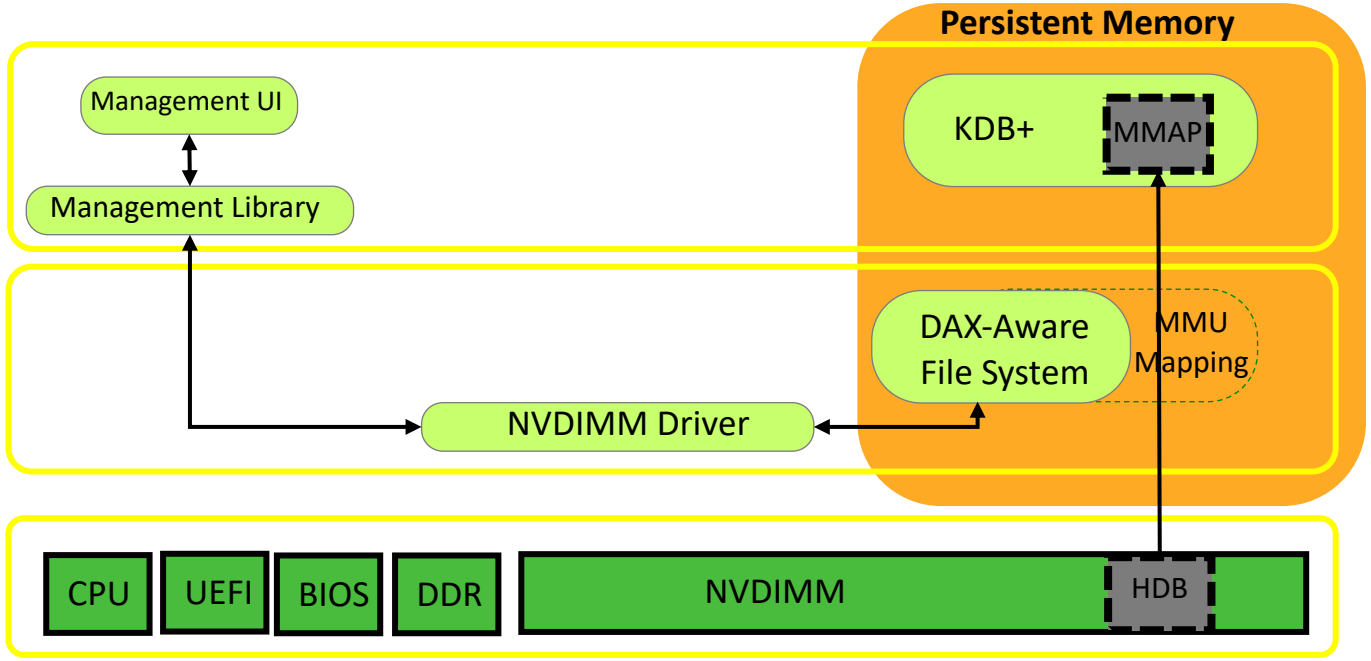
To take advantage of the latest developments in Intel hardware

- Storage and Cached Memory mode already provide default scaling
- On-disk databases run faster using Optane
- In-memory databases scale using Optane as a larger memory space

Best of both worlds: memory and storage

Streaming and Realtime Analytics – Making Use of Big Memory

- Cache memory mode – just lots of memory, use as of now
- RDB – extend objects into Optane memory address space
- In memory "historical data". kdb+ on storage over AppDirect.
  e.g derivatives calculations load balanced and distributed (no disks needed !)



How do *you* consolidate Realtime/Streaming/Historical Analytics of Tick Data?

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