



cutting through complexity



KAVE Memo

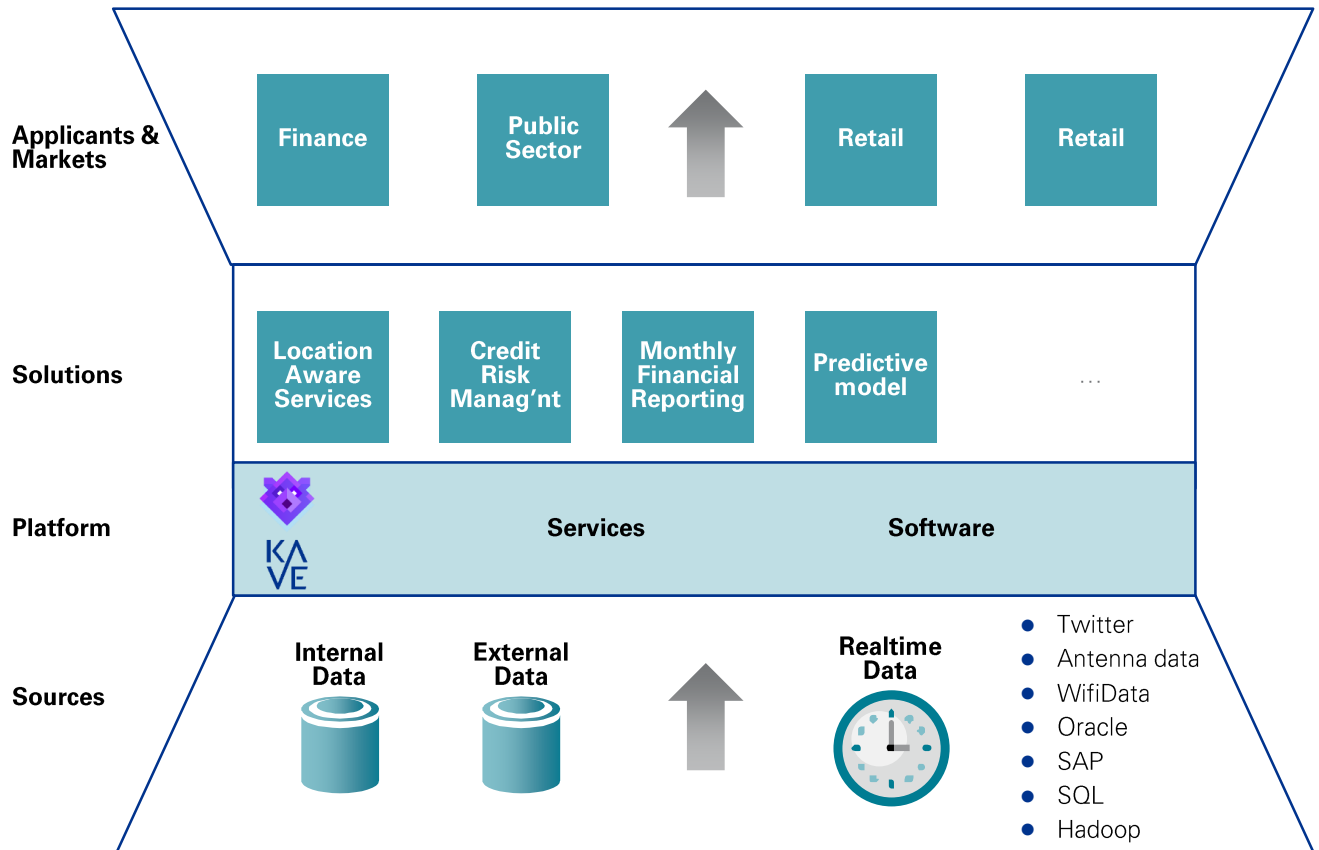
What is our Platform?

The KPMG-NL Big Data team
16 March 2015



A platform is a standard pedestal for further work

A common platform sits between sources and solutions



A well-designed and flexible platform:

- reduces lead time for further development;
- is the workhorse used in existing stable solutions;
- ensures scalable and reusable and redeployable solutions;
- adapts to the requirements of the situation including people.

The KPMG-NL DnAteam use KAVE as a platform. KAVE has:

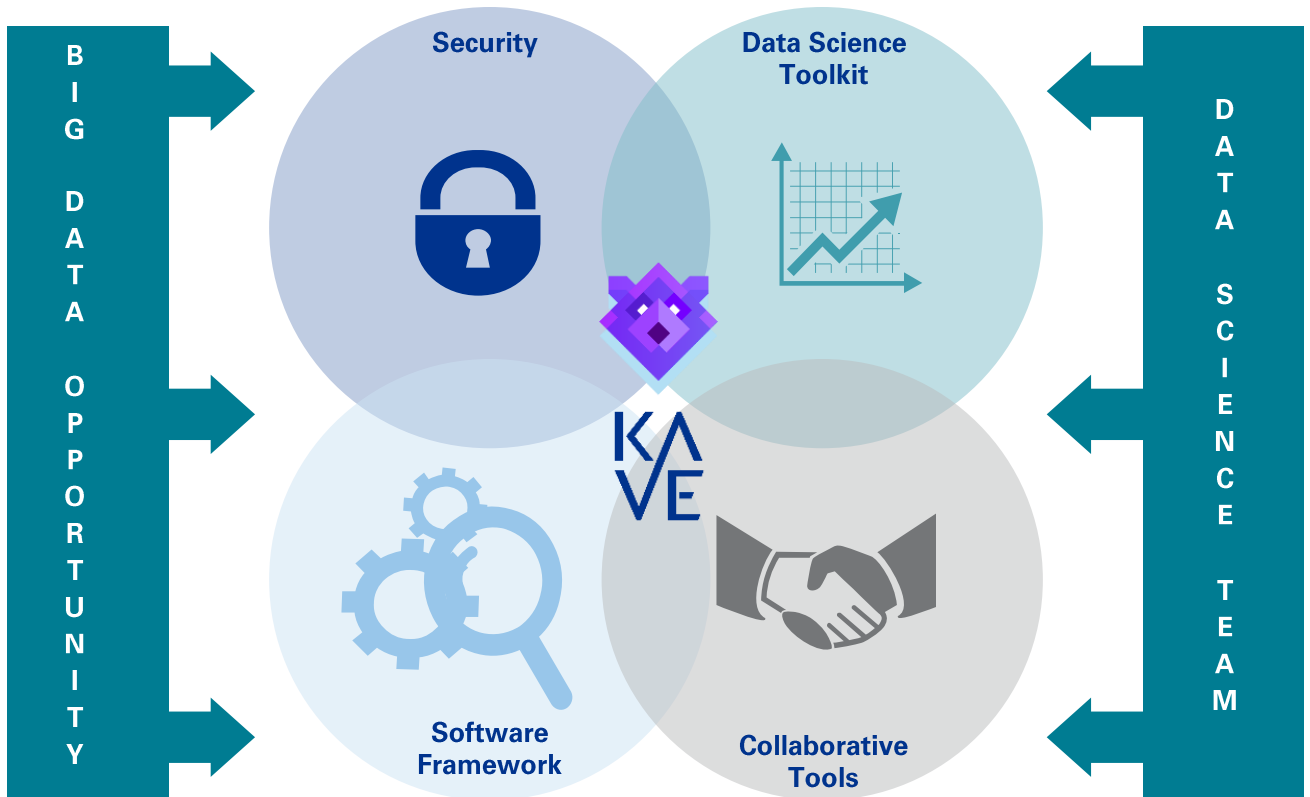
- **Services:** Running local applications providing data processing, storage and management;
- **Software:** Packages tools and shared libraries for data science and advanced analytics;
- **Collaboration tools:** For the team to work together more effectively;
- **Security guidelines:** Common practice, common sense and options for administrators.

KAVE stands for:

KPMG Analytics and Visualization Environment

Why did we create our own platform?

The KAVE takes a holistic approach to data science



Although many other big-data stacks exist today:

- Proprietary stacks imply vendor locking and undermine KPMG independence.
- Existing stacks are tailored to production environments, rather than exploratory science.
- Today's platforms do not come with world-leading open-source analytics tools we need.
- Today's platforms often underestimate flexibility in the future of data science.
- No platforms use a particular way of handling data known as the lambda architecture.

We needed to imagine our own platform:

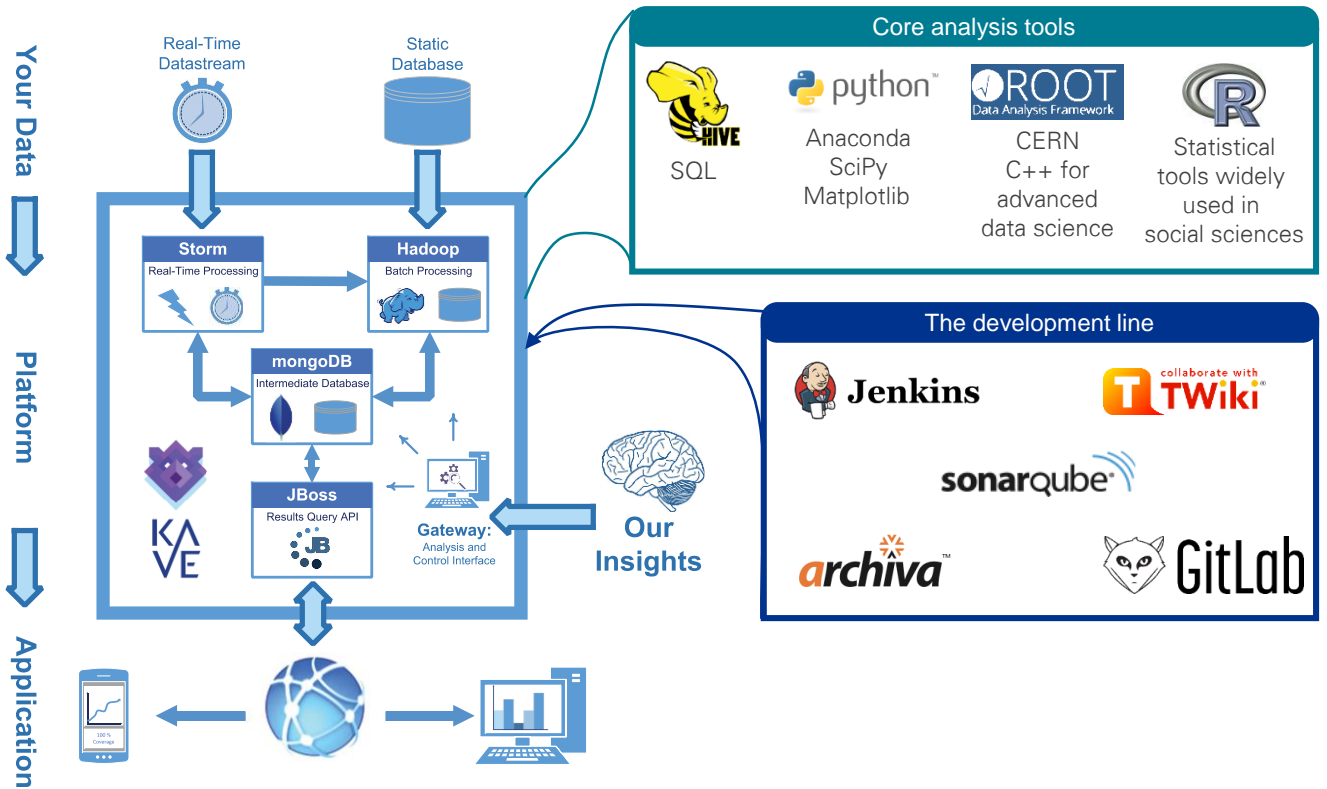
- A platform for us! It improves our efficiency each day.
- A platform for our clients! It reduces costs and vendor-locking/legacy issues.
- A platform for the community! Building the future of data science starting at KPMG.

KAVE stands for:

KPMG Analytics and Visualization Environment

KAVE combines existing open-source components

We combine this software to create a flexible working environment



We choose for open source software (OSS) components with:

- no sufficiently advanced close-source competitors;
- licenses for use by commercial or non-commercial organizations;
- a class-leading performance or a class-defining solution with a history of excellence;
- support in terms of an active user community or open-source contribution community;
- full horizontal scalability, for immediate use in the big-data environment;

Often these components are difficult to install and manage within a large cluster:

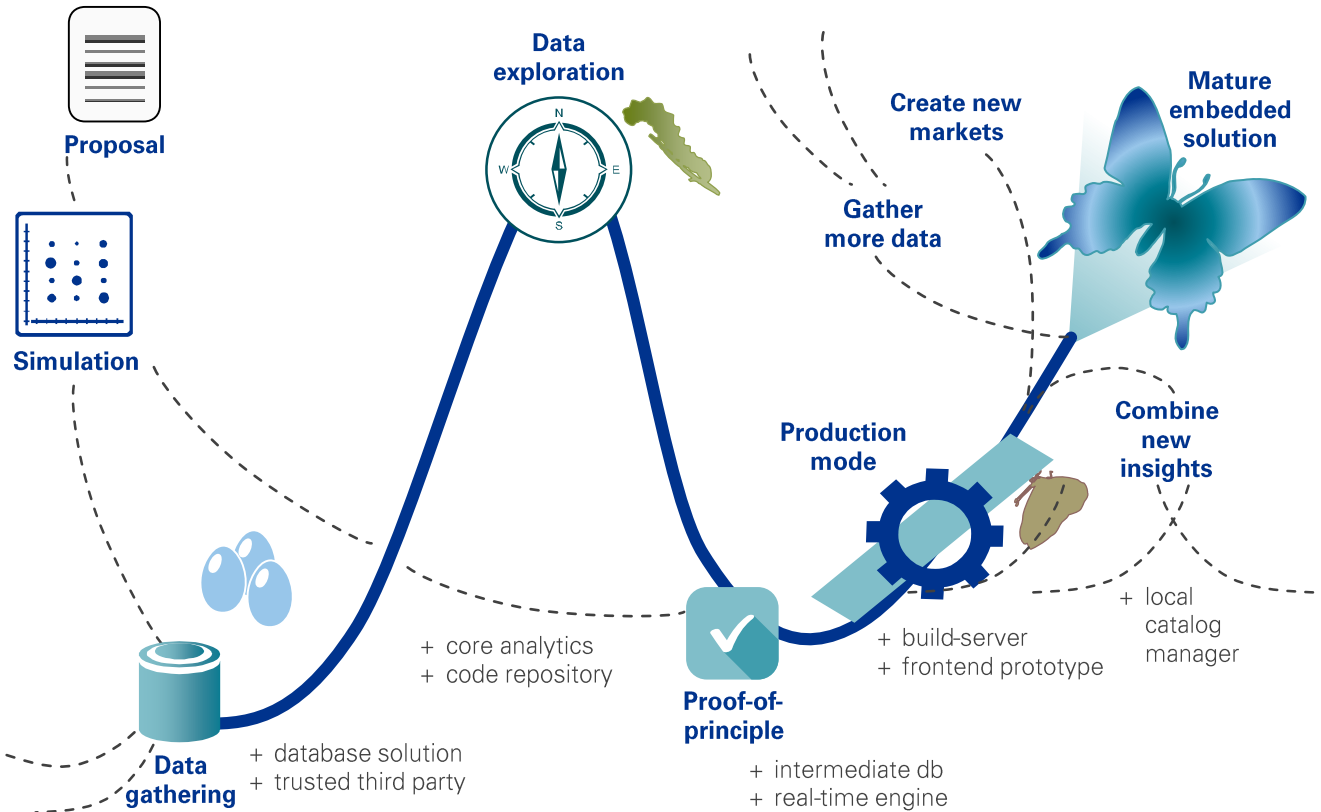
- We developed an installer for these components.
- The components are already available free and open source.
- The installer represents a small extension of the open source 'Ambari' installer.

KAVE is installed by 'AmbariKave'.

AmbariKave is a small extension of the already existing Hortonworks™ product

KAVE can grow as your company matures

An open-source platform that is with you every step of the journey



Spring from what you have, whatever your solution, KAVE evolves with you.



KAVE is not a static application that only facilitates one way of working or only one vendor



KAVE is a flexible and dynamic platform, a toolkit, which grows with your requirements and solutions



KAVE can install in your own data centre, on your laptop, at a hosting provider, or in the cloud



KPMG can also bring in the infrastructure for you with our 'KAVE On Wheels' concept (KOW)



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Contact

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