

**MaDaM –
maximum
availability for
your test data**



The new generation of measurement data management

Test data needs to be accessible for more than one engineer. For reasons of efficiency, all measurement results including different metadata needs to be searchable by a group of users. Kistler offers a measurement data management (MDM) system with latest technologies at a very reasonable price – MaDaM.

MaDaM is not limited to Windows. On server side, Linux and Mac OS X are supported as well. On client side, modern smart devices, besides common operating systems, can also be used. Localization allows a user interface in multiple languages. Authentication via LDAP is supported.

There are mainly two post-processing operation modes: "Server-based reports" for creating PDF reports with standard templates, which can be opened on all client devices. The "Interactive analysis" mode allows users to work with their data with the full feature set of traditional desktop applications.

For this, Java Web Start technology is used to run a jBEAM analysis tool on the client side. EnCom, a proprietary communication protocol from Kistler, lowers the data traffic down to an absolute minimum.

With the increasing needs of our customers for management of high volumes of test data, we try to push the boundaries of our MaDaM system to support our stakeholders on their way to the future of Big Test Data. Together with our jBEAM Cluster solution, we guarantee the maximum in analysis performance. MaDaM embodies the comprehensive experience we gathered from more than 40 lab installations.

Combining indexing technology and RDBMS

- Elasticsearch for efficient searching
- Simple backup using standard file system backup tools
- RDBMS (relational database management system) for transactional secure working

Importer

- Support for over 100 measurement file formats
- Automatic multi-file imports
- Folder monitoring for automatic imports
- Importer extensions for specific applications

General

- Localization
- Modular authentication, e.g. LDAP
- Highly interactive UI using modern frontend technologies (ReactJS, Java FX)

Modularity

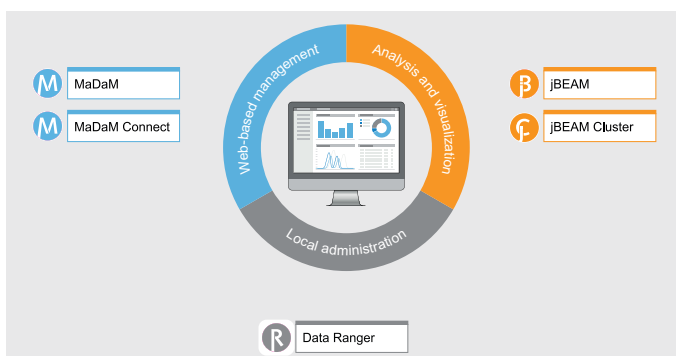
- Extensible through customized components for specific business logics
- Scalability using a distributed environment

jBEAM

- Complete integration for server and client side usage
- Excellent tool for nearly all application areas
- Import, analysis, visualization and reporting (all-in-one)
- Meta-data extraction for importers
- Generation of PDF, Word, PowerPoint, ...protocols
- Using EnCom for minimizing network traffic

Standardized reports and interactive test analyses

- Generation of standard reports on demand (on server side)
- Interactive test analyses using jBEAM (on client side)



MaDaM can be operated using standard browsers on:
Windows, Linux, Mac OS X, Android, iOS

New features of MaDaM version 2

Improved scalability

- No limit on number of tests (Elasticsearch)
- Fast analysis and report generation
- More than 10,000 users

Intelligent and efficient file upload and storage

- Automatic (especially for test stands)
- Manual (including consistency checks)

New user interface

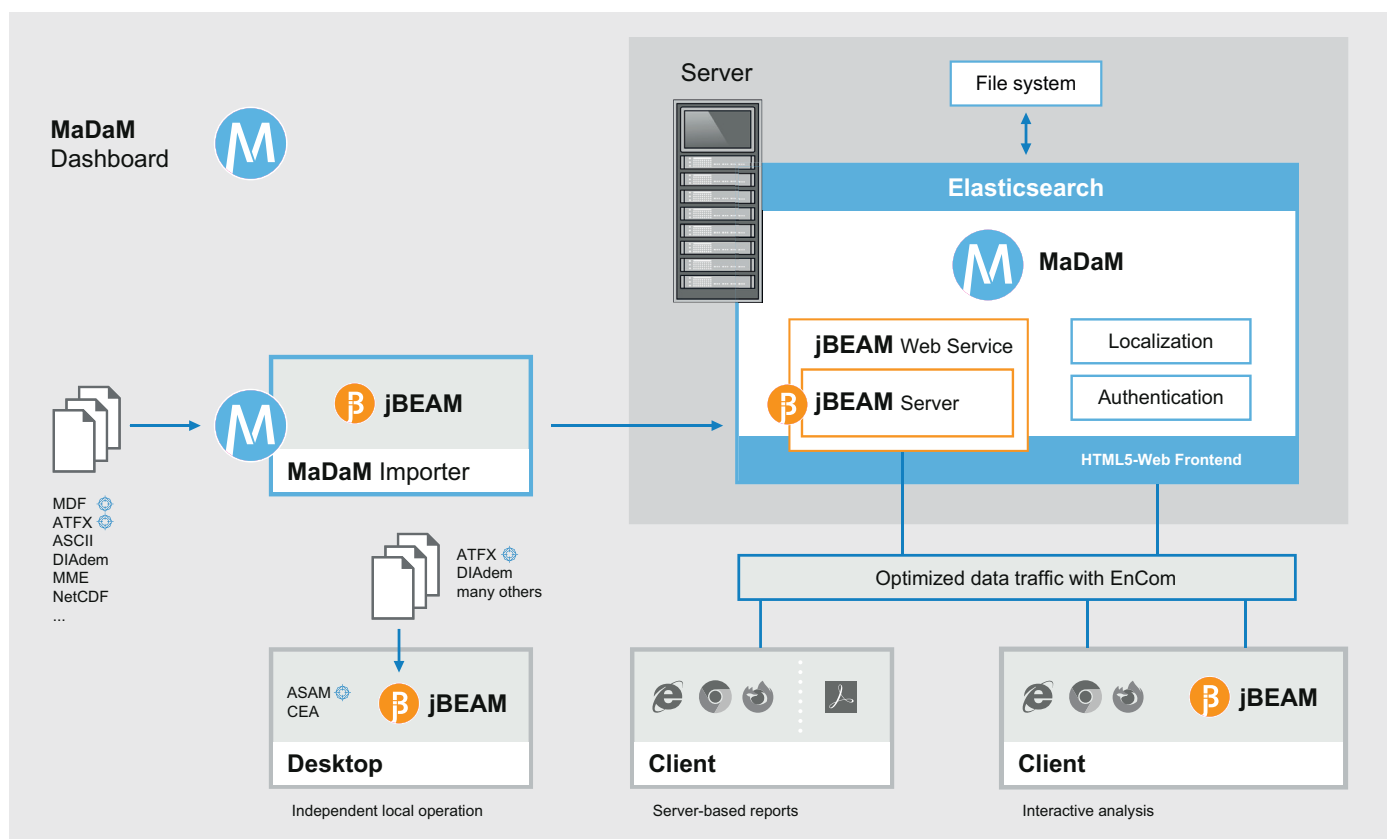
- Complete redesign, based on user feedback
- Highly responsive (Java script)

Improved administrative features

- Activity logs
- Job and user management
- System settings
- LDAP integration

Enhanced usability

- Dashboard with user specific content
- Lower response times
- Faster page rendering (React)
- Improved user-centered workflow



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