

# Technical information

value**S**treamer

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## overview

ValueStreamer is based on an open SaaS platform from CAS Software AG, which is continuously developed further and serves as a basis for the modern web applications of CAS.

Your advantages

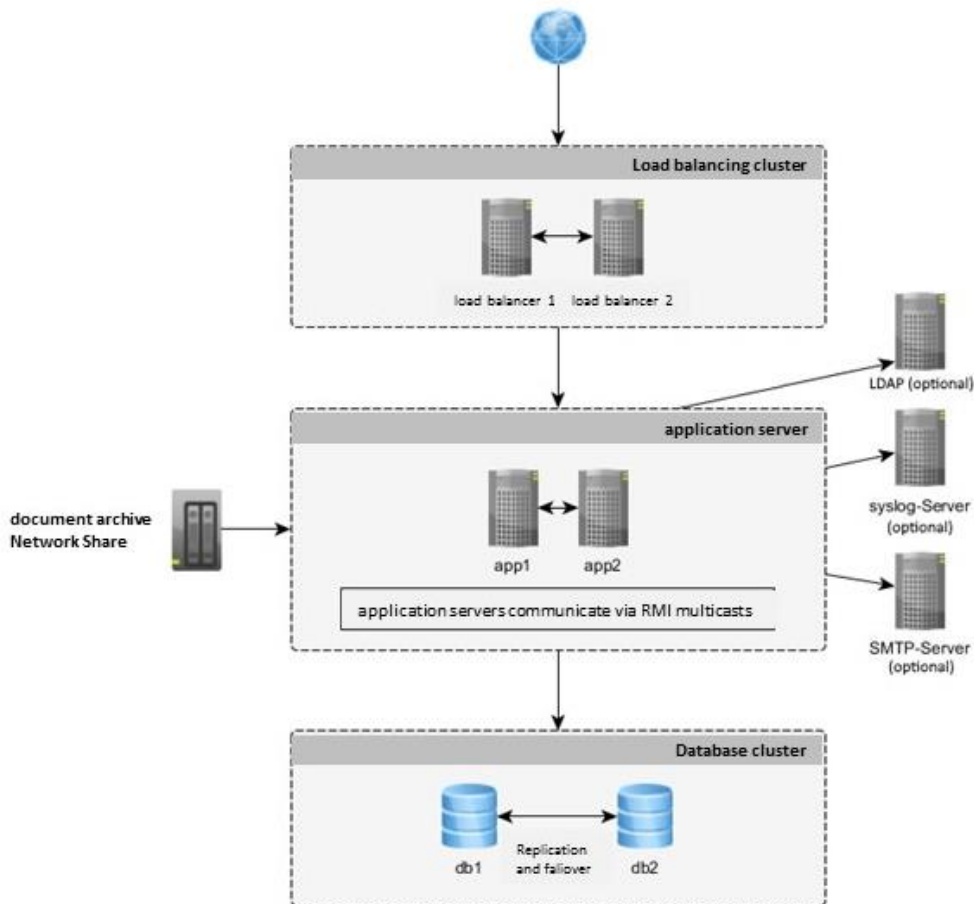
- Scalable, robust, fail-safe architecture
- Open programming interfaces via web services
- Modern technologies, service-based architecture
- Scaling, responsive user interface
- Efficient operation via touch as well as mouse / keyboard
- Fluent functional extensibility through app-in-app concept

## hosting

### Inhouse (private Cloud)

- Operation optionally on VMs or hardware
- operating systems
  - (Debian) Linux
  - Windows Server
- Database
  - mySQL (recommended)
  - MS SQL Server
- Application Server
  - Tomcat
- Different scenarios are possible - we advise you individually! As examples, we present two alternatives.
  - Small solution (*for pilot operation*)
    - No load sharing, app server and DB server on one machine
    - 8-16 GB RAM
    - Current multi-core processor
      - For example, Xeon x5680 or later
    - Disk Space
      - Depending on operating system, backup strategy and utilization scenario
      - 20 GB – 100 GB
  - Recommended solution (*for productive operation*)
    - Load distribution on different app servers and separate DB servers
    - 2 App servers for load balancing and high availability
      - 4-12 GB RAM
      - Current multi-core processor
        - For example, Xeon x5680 or later
      - Disk Space
        - Depending on operating system, backup strategy and utilization scenario
        - 10 GB – 40 GB
    - 1 DB server; Better 2 DB servers for higher data security and high availability
      - 4-16 GB RAM
      - Current multi-core processor
        - For example, Xeon x5680 or later

- Disk Space
  - Depending on operating system, backup strategy and utilization scenario
- 20 – 60 GB; RAID 10
- load balancer
  - Software: for example. Apsis Pound / Apache mod\_jk
  - Operating System: Preference is given to Linux distributions (e.g., Debian)
  - Hardware requirements
  - Min. 1 GB RAM
    - about 10 GB HD
    - Low CPU load
    - Fast network connection
  - In addition to the production system, a test environment is required, which can be smaller in size
- Connection to LDAP possible
- Integration in Monitoring (f.ex.. Icinga)



Schematic representation of the recommended solution

## clients

- Web-Client
  - Use of HTML5 & JavaScript
  - No plugins required
  - Supported browsers
    - Internet Explorer from V10
    - Current versions of Google Chrome and Mozilla Firefox
  - FullHD resolution is useful
  - Operated by mouse, keyboard or touch
- Mobile devices are also supported

## operation

- We agree with you on the most appropriate responsibilities for your company.
  - Operation of hardware / VMs
  - Maintenance of the operating system...
  - Backup/Recovery
  - monitoring
  - Maintenance and configuration of load distribution
  - Database and application server
  - Maintenance of ValueStreamer

## safety

- https encryption
- Password Policy
- LDAP connection for authentication with domain-specific logon data (single sign-on)

## interfaces

ValueStreamer is designed to integrate perfectly into your IT infrastructure and existing software landscape. - We are happy to advise you individually with the integration and the seamless connection of your systems!

### WebServices

The CAS Open Server, which is used within ValueStreamer, is a deliberately open server. It provides a defined interface to allow other systems to access and read data via SOAP, REST, or RMI.

In consultation with CAS, the connection of other systems is possible.

Setting up a continuous synchronization with your systems is also possible.

### Project data import

- ValueStreamer provides project data, tasks and milestone import, which can be linked to your project management system.
- For example, the Actano RPLAN system can be connected in this way

### Export- and Import

- Export of CSV (Comma-separated values)
  - For example, current contents of the project, process and task boards
  - Boardhistorie
- Importing CSV data is also possible

**STAUFEN.**



Ihr Ansprechpartner  
Dr.-Ing. Andreas Romberg

Blumenstraße 5  
73257 Köngen  
+49 7024 8056-0  
kontakt@staufen.ag

Ihr Ansprechpartner  
Dennis Hurrelmann

CAS-Weg 1-5  
76131 Karlsruhe  
+49 721 9638-188  
valuestreamer@cas.de