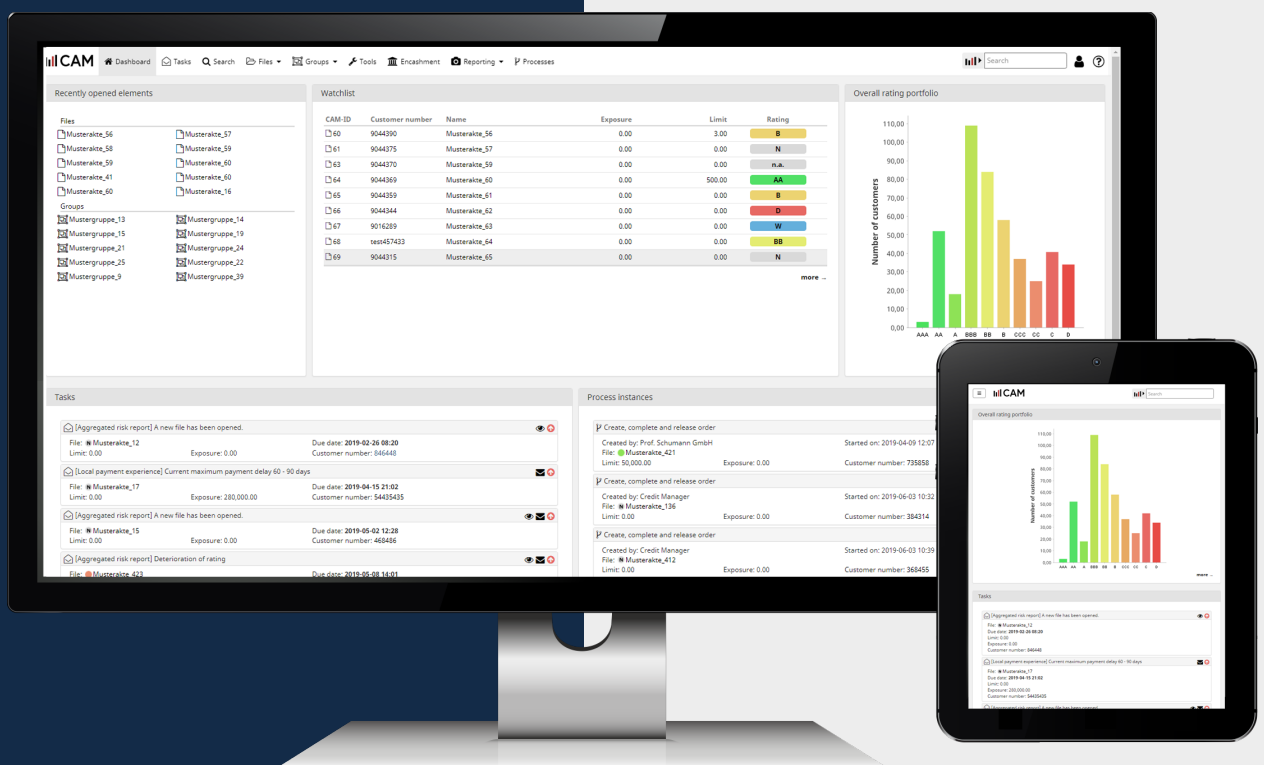


# Enterprise Integration Layer

Technology and connectivity

With the Enterprise Integration Layer, CAM provides the central hub for incoming and outgoing data streams - regardless of the type and source of the data or information.



# Enterprise Integration Layer

**An essential prerequisite for the use of CAM is the connection with different data sources. This wide variety of different data streams must be well and efficiently organized. The Enterprise Integration Layer (EIL) is CAM's central hub for incoming and outgoing data (interfaces) – regardless of the type or source of the information or data.**

In CAM, it is essential to have a solid information base for a reliable assessment of your customers and partners. This information base is a multi-layered mix of diverse data and information (from external as well as internal sources).

Corresponding interfaces (APIs) provide standardized solutions that allow for a bilateral exchange of data with a multitude of different IT systems and information sources. Thanks to standardized and expandable interfaces, most of the information providers (credit risk agencies) available in CAM can be selectively targeted via a uniform API. Other examples of APIs are the data exchange of master or invoice data, external searches on the data stocks of connected information providers or the comparison with blacklists. For these APIs, the Enterprise Integration Layer offers a way to guarantee the data flow quickly and easily. To do this, you must perform a one-time integration of the Enterprise Integration Layer into your system landscape.

The standard APIs offer a comprehensive range of functions to optimally map the usual use cases in CAM. The simple expandability of Enterprise Integration Layer offers you the possibility to connect additional interfaces to your IT systems or data sources at low cost, so that your CAM system is well positioned for future requirements.

Thanks to the use of modern technology to integrate data and services, the Enterprise Integration Layer is maintenance-friendly and future-oriented. We use REST APIs (Representational State Transfer), OAuth 2.0 (OAuth) for authorisation and OpenID Connect for authentication in the Enterprise Integration Layer, allowing you to connect it to your existing systems using OAuth standards, like Keycloak, Okta, etc. The specifications of the interfaces are done in accordance with the OpenAPI standard and an integral part of CAM.

All of this put together allows integration in modern IT landscapes.

You do not require any special prior knowledge to use the Enterprise Integration Layer. Customers who do not have an existing authServer using OAuth and OpenID, the Enterprise Integration Layers comes with a lightweight partial implementation of the OAuth 2.0 protocols. The authServer shipping as part of CAM is meant to be exclusively used with CAM and optimized towards it.

The mechanisms for the authentication of the connected systems, the transmission and readout of master data, the readout of the current evaluation as well as the transmission of invoice data, among others, are part of CAM's Business Integration Package. The interfaces to be addressed are the following:

- ✓ Creating partner files with master data
- ✓ Importing invoice data to partner files
- ✓ Requesting information and search queries from specific external providers
- ✓ Querying World-Check hits (providing you have a valid license for the module)
- ✓ Querying aggregated risk reports

The Enterprise Integration Layer provides a future-oriented base using and supporting the following technologies and specifications:

- ✓ RESTful Webservices
- ✓ Spring
- ✓ Apache Camel
- ✓ OAuth 2.0
- ✓ OpenID

We will constantly widen and expand the range of standardized interfaces connected to CAM through the Enterprise Integration Layer. This includes, among others, the following interfaces and technologies:

- ✓ AMQP
- ✓ Flatfile and CSV
- ✓ OAP
- ✓ IMAP/SAP
- ✓ SQL as a database-oriented export

## Your benefits

- ✓ **Unified, easy to connect and standardized interfaces**
- ✓ **For example the connection of master data and invoice data via REST interfaces or other data in your system landscape**
- ✓ **Integration of diverse, international information providers via unified interfaces**
- ✓ **Easy expandability and reutilization of existing interfaces**
- ✓ **Structured processing of data**

EIL: Interaction of the authentication and the query of the data

