compacer
>eurodata-Group

>edbic

edbic - BUSINESS INTEGRATION CLUSTER

edbic is a modern data integration system that connects up all parties involved along the value-added chain (digitalisation).

All business data, with their various different formats and origins, come together in **edbic**, and the business processes are improved with lasting effect through meaningful automation. **edbic** supports the visualisation of business processes (for example with **edpem**, **arcplan**, **cognos**) and ensures clarity (technical monitoring and process overview) and stability (active cluster architecture), for example in internal sequences (A2A) or data interchange with business partners (B2B).

Thanks to its large number of prefabricated functional elements and standardised connectors, **edbic** is **ready to use in next to no time**.

We create **security** thanks to methods, such as logging, protected transmission paths, certifications and GoBD-conformity.

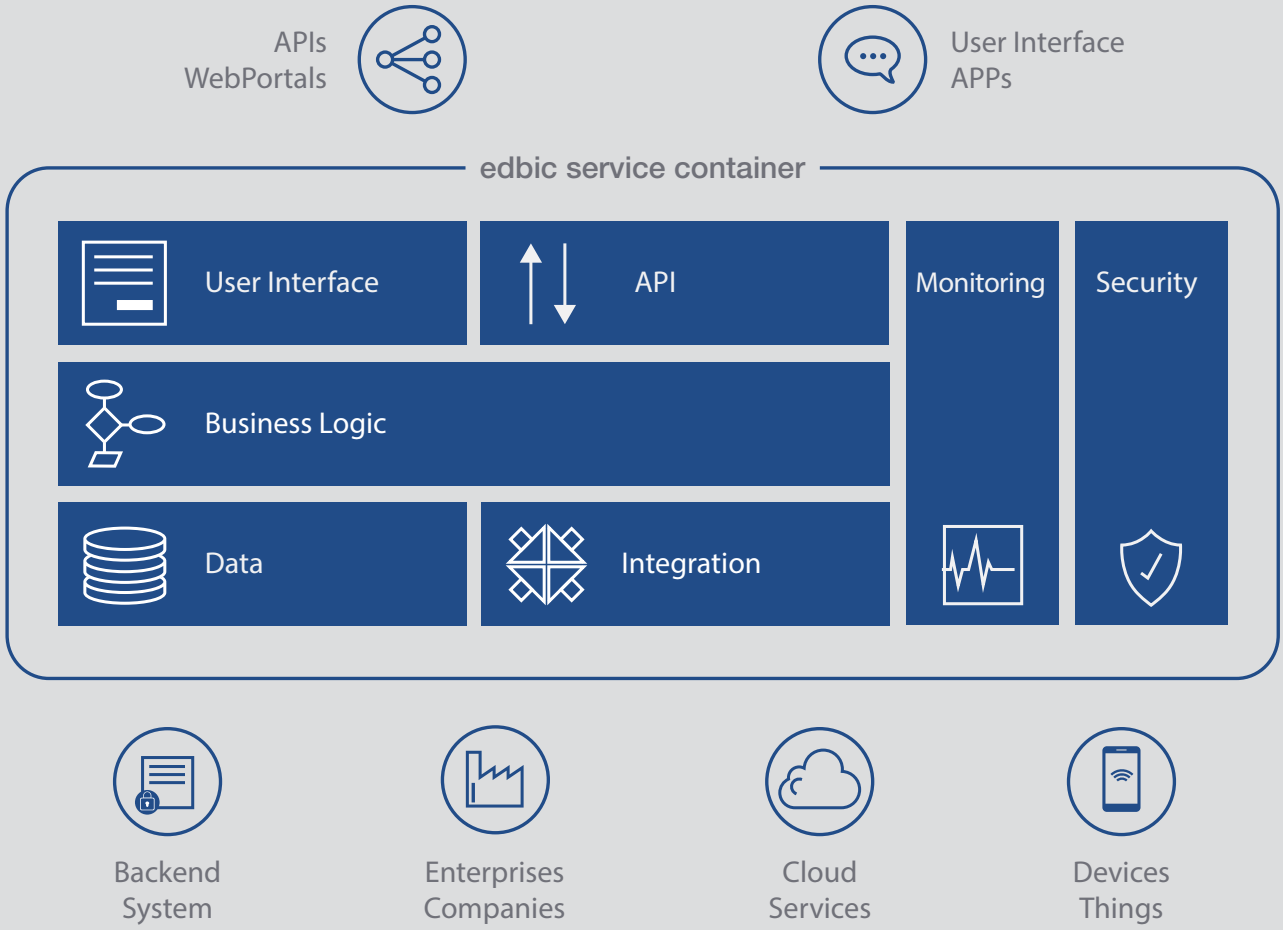
edbic's **high system performance** fulfils the requirements for the resource-optimised implementation of applications with large datasets.

compacer expertise, combined with **open standards** and **state-of-the-art components** - this is **edbic**.

Upstream remote services in the DMZ use restricted and controlled access to the **data in the protected area**.

Just **rely** on our vast experience: for over 20 years, customers have been partnering with **compacer** to protect their highly sensitive data.

OVERVIEW OF THE COMPLETE RANGE OF FUNCTIONS OF THE SERVICE CONTAINER:



AREAS OF APPLICATION

edbic can be deployed in numerous corporate areas, but also out beyond company borders and in the context of Industry 4.0 concepts.

MODELS FOR USE

MANAGED SERVICES:

services provided through our e-business platform. As we belong to the eurodata group, we are benefiting from eurodata's own ISO/IEC 27001-certified, high-performance data centre at Saarbrücken (Germany).

SOFTWARE-AS-A-SERVICE (SAAS):

Secure cloud services at eurodata's own ISO/IEC 27001-certified, high-performance data centre at Saarbrücken (Germany). As part of the eurodata group, we fully trust in our sister company's data security.

ON-PREMISE:

Implementation based on the technical infrastructures of our customers or of their hosting providers.

POSSIBLE APPLICATIONS

- With **edbic**, technical monitoring can be depicted.
- **edbic** provides the data for subject-specific monitoring. With **compacer** additional module **edpem**, the entire process sequence with integrated rules (web-based and platform-independent) can then be depicted.
- Data are prepared exactly as required for statistical analyses via arcplan and cognos. The independence of **edbic** from any particular operating system renders a seamless connection to various business intelligence products possible.
- **edbic** can be integrated in existing system architectures without making any significant intrusions on those systems.

ARCHITECTURE

- The underlying system architecture is based completely on JAVA, so **edbic** is platform-independent.
- **edbic** is web-based and thus available anywhere.
- **edbic** has an extremely high system performance. The modern architecture also makes it possible to implement applications
- with an enormous number of transactions and very large datasets (Big Data) in a resource-optimised (memory-based) way.
- The developer toolkit supports the development of adaptors and connectors via a plug-in in Eclipse.
- **edbic** enables intelligent data routing in accordance with content parameters (type of transportation, syntax, semantics).
- The orchestration of various different systems is child's play with **edbic**.

ADVANTAGES OF edbic's ACTIVE CLUSTER ARCHITECTURE:

- Transparency: in spite of distributed architecture, the transparency and visibility of all data is assured, in all instances.
- Scalability: if more performance is required, a new instance is installed, and synchronisation follows automatically.
- High availability: the establishment of a high-availability IT infrastructure and data security are guaranteed.
- Load distribution: clustered/singleton processes and services and load balancing in live operation mode are possible.
- Performance: **edbic** enables parallel process execution and configuration.
- Elasticity: no loss of data or error run in cases of process cancellation thanks to automated adoption of process implementation by other instances.

TECHNOLOGY-BASE

DATABASES:

- The combination of NoSQL and relational database (Cassandra and MariaDB) means that the advantages of both are available

SECURITY:

- The communication modules can be segregated from the actual system and installed in front of the firewall. The data thus continue to be in the protected area. Access to a downstream server, for example, becomes possible via upstream web services

COMPONENTS:

- Protocol mediation: link-up of various different communication protocols
- Document translation: data/message mapping in various different syntax formats
- Functional elements: prefabricated elements and process steps. Base64 Encode/Decode, Charset Encode, Choice, CorrelationJoin, Counter, EDIFACT Joiner/Splitter, Execute, File Joiner/Splitter, Filename Filter/ Selector, Fop Transformation, ForEach, GetFile/(s), GetFTP/(s), GetJDBC, MapLookup, PDFExtract, PDFToText, PropertiesParser, PushToArray, PutCached, Replacer, Script, SetFileProperties, SetVariables, SortArray, SSHExec, SSHShell, Subprocess, Synchronize, Transformation, Unzip, VelocityGenerator, Wait, XPathParser, XSLTTransformation, Zip

SERVICES:

- Connection of cloud applications, on-premises software and more
- Communication modules: EDIINT-AS2, File, FTP, FTPS, HTTP, HTTPS, IMAP, JDBC (DB2, Oracle, MS-SQL, My-SQL, MariaDB), JMS (Active MQ, Websphere MQ, Hornet MQ, Weblogic MQ, Open MQ), OFTP2, POP3, SAP-tRFC, sFTP, SSH (exec/shell), TIMER, Webservices Client/Server, X400
- Data processing, enrichment, extraction, conversion (EDI/ETL)

Are you familiar with **compacer edpem** yet? **edpem** is a proactive process event monitoring system which generates a companywide and inter-company end-to-end view of processes, thus building bridges between IT, specialist departments and management.
Info at **www.compacer.com/en/edpem**

For more information go to: **www.compacer.com/en**

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