

## ERIAN / Automatic assistant for Credit Assessment

*Are you a non-bank lender who applied for a license?*

*Is your company fully compliant with all the legal requirements?*

*Would you like to get a reliable tool for effortless fraud detection that evaluates doubts regarding the ability to repay the loan?*

### **Requirements of the Consumer Credit Act No. 257/2016 Sb.**

Under the new law on the consumer credit, new rules and procedures, among other things, are required to assess the creditworthiness of the client.

**For reliable assessment of the creditworthiness of a client, we offer you ERIAN** – a powerful tool able to assess thousands of decision-making rules within seconds and detect suspicious cases. Business users manage rules independently without the need for a supplier and without any support from the IT department. ERIAN is a reliable, independent assistant, which learns from its own evaluations and is capable of creating new rules.

#### **Automated request appraisal**

A loan provider is required by law, before concluding a consumer credit agreement, to assess the client's ability to repay the loan. The provider evaluates the client's creditworthiness based on information from the client, and if necessary also from other sources.

ERIAN system completely fulfills these criteria. The system analyzes the data from the client request and related historical data, including records of internal or external registers. ERIAN can verify the value and liquidity of real estate in real time. By using a price map application, it can find the true market value of a real estate, not just a price estimate. ERIAN is able to decide most of the requests by itself. Suspicious events initiate preset alerts and launch corresponding processes, for example manual reviews.

#### **Machine learning**

ERIAN is not only independent, but also a self-learning system. It is able to learn from its own decisions and create new rules for easier future detection of suspected cases.

#### **Auditability**

ERIAN records all details of every decision. This makes it possible to explain every single one of them.

#### **Almost unlimited productivity**

The operation speed increases proportionally with the performance of the computer.

#### **Different rules combinations**

The system allows you to work with not only trivial, but also very complex mathematical and managerial (expert knowledge) rules.

#### **Fast and reliable implementation of new rules**

Business users change the rules and can flexibly respond to legislative adjustments and recent development. ERIAN verifies the quality of the new rules via simulations with real historical data input. At all times, there is evidence that rules work as expected.

#### **Real-time decision making**

The system is able to make decisions in seconds. It manages batch processing - millions of decisions in about fifteen minutes. In such a short time, the system evaluates thousands of rules.

#### **Partial matching based searching**

ERIAN looks for relations, even if the matching is incomplete. The system is also able to cope with misspellings and different ways of writing information.

## ERIAN is a multiform system

ERIAN works equally well as a small implementation (e.g. an undemanding antifraud system based on the Standard Edition) as well as a comprehensive high performance system (Unlimited Edition). Besides automated loan approval, ERIAN can make decisions in a number of other agendas, such as marketing.

## ERIAN is useful all the time

ERIAN allows you to assess the risk level and implementation of decisions in all phases of the business cycle - at the beginning of a business relationship, when the service conditions change, at the time of the transaction, etc.

ERIAN supports all operating channels. From traditional channels (branches, written correspondence), through electronic means (call centers, e-mails) to modern online communication (websites, mobile applications, etc.).

## You are never at risk with ERIAN

ERIAN can detect and manage risks in all customer segments (private persons, corporate clients, intermediaries, third parties and employees).

## You can rely on ERIAN

The General Directorate of Customs of the Czech Republic reveals possible fraud in the export and import of goods and warns airlines of suspicious passengers using the ERIAN system.

ERIAN is also a key part of the Schengen Information System. Its low failure rate prevents a collapse of border clearance at an international level from happening.

## Use of data

The ERIAN system supports a rich data structure. It analyzes not only requests, transactions and performance, but also the characteristics of clients and products in relation to the situation.

ERIAN analyzes current and historical data from internal resources of the organization. Naturally, there is a connection to branch registers (Register of debtors, NRKI, SOLUS etc.).

Finally, ERIAN also assesses data aggregated from various sources and stores it for later use. For instance, a request is suspicious if a certain parameter is identical to a number of previous requests.

## Main benefits of ERIAN system

### Less fraud

Thanks to comprehensive logic and relation discovery, you will be able to detect more frauds. ERIAN assesses both the customer's intent and ability to repay the loan.

» *Fast training*

» *Fast implementation*

### Flexibility

Thanks to ERIAN, you can create, set and continuously optimize your own rules. This will ensure a fast and flexible response whenever a new type of fraud emerges.

### Speed

Transactions will be smooth. No more problem-creating customers, no more delays

### Cost saving

You will not depend on suppliers, because the rule changes will be initiated by business users themselves – no need for the support of the IT department.

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## About KOMIX company

KOMIX s.r.o. is a Czech company with 20 years of tradition and experience in IT. It specializes in supplying custom designed IT systems and applications as well as integration and transformation projects. KOMIX also provides consulting services related to the information systems development as well as quality assurance, testing and operation. Our mission is to use ICT technologies to make people's lives easier, their work more effective and provide companies with a long-term competitive advantage.

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