

Название публикации:

Checking foreign counterparty companies using Big Data

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Аннотация:

The project aims to create a database of companies and company data and an automated analytical system based on this data. The development of the system will allow credit institutions to obtain information about the links between companies, to carry out a policy of "Know your customer" - to identify the final beneficiaries, to assess risks, to identify relationships between customers. It could be the need of banks to fulfill the requirements on national authorities, laws on offshore tax evasion and FATCA, the recommendations of the Group of development of financial measures of struggle against money-laundering (FATF), the Basel Committee on banking supervision. For the moment, there are some projects like OpenCorporates having global databases of companies collected from many jurisdictions. But at the same they don't cover neither all the national registries, nor other useful data sources (courts, customs, press, etc.). Also, the existing services have rather sketchy abilities on searching for relations between companies, which are not always direct. The project we present is about to overcome main of these deficiencies. Number of companies worldwide is more than 150 million. Having company information from many sources, there is no other reasonable way to process it using Big Data technologies. In the research we use such technologies along with machine learning and graph databases. © 2018 Lazar A. Badalov, Sergey D. Belov, Ivan S. Kadochnikov.

Ключевые слова:

Big Data, Companies controlling, Finances, Money laundering