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## Checking foreign counterparty companies using Big Data

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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. For the moment, there are some projects like OpenCorporates having global databases of companies collected from a large number of jurisdictions. But at the same time 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 many of these deficiencies. Number of companies worldwide is more than 150 millions. 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.

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