Chang Zhijun, male, borned in February 1981, associate research librarian, master tutor. In 2006, he graduated from China Civil Aviation University with a bachelor's degree in computer science and technology; in 2010, he graduated from Graduate School of Chinese Academy of Sciences with a master's degree in molecular imaging. He has worked in Sohu, China search and other Internet enterprises, and has rich industry experience in the construction of big data platform. He has undertaken lots projects of Chinese Academy of Sciences and National Science Library. He has published a cooperative monograph in the field of big data, "Big Data: From Basic Theory to Best Practice". Through practical accumulation, he has formed a set of system from basic data processing links such as data harvesting, distributed storage, distributed computing, search engine, stream processing to advanced business application links such as user portrait, knowledge map, intelligent recommendation and so on. At present, he works on promoting the construction of knowledge discovery service platform based on big data computing and the work related to the whole network technology data collection.

The main research direction is big data platform construction and intelligent analysis technology. In the era of big data, with the huge growth of data volume, the traditional technology has been greatly challenged. With the demand of massive data processing, the distributed technology has entered a rapid development period. This research direction aims to use big data technology to accelerate information processing and create a more accurate and more intelligent data service. Research on new technical methods, effective technical tools and the evolution and development of technical methods play an important role in information and knowledge support for scientific and technological innovation and the direction of industry economic development. Especially in the big data distributed storage, cluster parallel computing, entity relationship extraction, knowledge map, intelligent retrieval, cache and other technical directions, it has important practical significance in the future practice and application of knowledge-based services, information decision-making research, industrial technology analysis and prediction and other service fields. This research focuses on the research and application of big data platform construction, collection and analysis, big data storage and data analysis technology.

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