Big Data Analytics and Intelligence at Alibaba Cloud

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Abstract
As China's largest cloud service provider, Alibaba Cloud has been one of the fastest growing cloud computing platforms in the world. In this talk, I'll present an overview of Big Data and AI computing platform at Alibaba Cloud, which consists of a wide range of products and services to enable fast and efficient big data development and intelligent analysis. The underlying computing infrastructure supports a variety of computation scenarios, including batch, interactive, stream, and graph computation, as well as large-scale machine learning on heterogeneous cloud-scale data centers. Several big data products, such as rule-based engine, recommendation system, BI tools, etc., are provided to address different business needs. The platform not only supports Alibaba's internal businesses but also provides solid services to enterprise customers. In addition, I'll describe key techniques and system internals, and outline outstanding research and engineering challenges.

Author Keywords
Big Data; data intelligence

Biography
Jingren Zhou is Vice President at Alibaba Group. He is responsible for driving Big Data development and business strategies at Alibaba Cloud. Specifically, he manages an engineering group to develop cloud-scale distributed computation platform, data analytic products, and various business solutions. He is also Head of iDST (Institute of Data Science Technology) at Alibaba, developing advanced techniques in large-scale machine learning and speech, natural language, image, and video processing. Before joining Alibaba, Dr. Zhou used to be partner engineering manager at Microsoft and researcher at Microsoft Research. As a researcher, engineer, and entrepreneur, Dr. Zhou has extensive experiences in the area of cloud-computing, distributed systems, and databases. Dr. Zhou received his PhD in Computer Science from Columbia University.

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