Ant Group Develops Confidential Computing for Financial SaaS with Intel Technologies

Ant Group is developing large language models to power new financial Solutions in China. These include intelligent financial assistants for both consumers and industry professionals. Ant Group built a confidential platform-as-a-service product matrix on Alibaba Cloud Elastic Compute Service g8i instances. The company used 4th Gen Intel® Xeon® Scalable processors with Intel® Trust Domain Extensions, a hardware-based trusted execution environment that helps secure customer data and Ant Group AI models while in use. Building on its PaaS platform, Ant Group developed confidential SaaS solutions for financial scenarios, Ant Privacy-Enhancing Data Analytics Platform and Ant Privacy-Enhancing AI Platform. These solutions use Intel® Advanced Matrix Extensions to enhance the performance of matrix-oriented operations in training deep neural networks and model inference.

> "Ant Group has built a complete confidential PaaS product matrix on Alibaba Cloud ECS instances: the confidential computing engine Occlum and the confidential computing service KubeTEE. Based on this confidential PaaS, Ant Group also offers confidential SaaS solutions for financial scenarios, such as the Ant Privacy-Enhancing Data Analytics Platform, Ant Privacy-Enhancing AI Platform, and more."
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> **Shuang Liu Confidential Computing Team Lead, Ant Group**

Products and Solutions
4th Gen Intel® Xeon® Scalable Processors
Intel® Trust Domain Extensions
Intel® Advanced Matrix Extensions

Industry
Software Development

Organization Size
5,001-10,000

Country
China

Partners
Alibaba Cloud

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Case Study

For more complete information about performance and benchmark results, visit https://www.intel.com/content/www/us/en/customer-spotlight/stories/ant-group-customer-story.html