Inspur Held the First Analyst Conference and Released AI Infrastructure Products Jointly with Baidu, Leading the Artificial Intelligence Infrastructure Innovation

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IDC's Quick Take

Inspur held the first Analyst Conference in Jinan, Shandong during September 15th to 16th, 2017. Inspur is releasing the strategy of its product lines as well as new products, including servers, storage, high-performance computing, cloud computing software, etc. The most notable is Inspur's new artificial intelligence infrastructure products. IDC believes that Inspur's innovation on it will have huge impact on the development of global AI infrastructure market.

Event Highlights

Inspur held the first Analyst Conference in Jinan, Shandong during September 15th to 16th, 2017. Andy Wang, the CEO of Inspur, and John Hu, the vice president and CTO, have delivered speeches at the conference. At the conference, Inspur released the strategy of its product lines as well as many new products, including servers, storage, high-performance computing, cloud computing software, etc. The most notable is Inspur's new products of artificial intelligence infrastructure, including AGX-2 server which is supporting maximum eight GPU; scale out architecture GPU product GX4 and SR-AI Rack, FPGA acceleration adapter F10A, improved parallel version Caffe-MPI framework based, and integrated software suite AI Station for artificial intelligence infrastructure management.

At the same day (September 15th), Inspur jointly with Baidu to release integrated infrastructure "ABC" on the 2017 ABC Summit in Beijing. ABC integrated system is a deeply customized hardware and software integration solution for the traditional industry user who has demand of AI function. It based on cluster management software by Baidu and AI hardware platform by Inspur. It supports almost all mainstream deep learning framework. Embedded AI algorithm and cloud management software, it can be used as an all-in-one solution. ABC integrated system is based on modular design, the software can be deployed on SR-AI, AGX-2, GX4 and other platform from Inspur.

IDC's Point of View

In recent years, artificial intelligence has become a hot spot in IT market. IDC data shows that China's artificial intelligence infrastructure market will reach to more than US$1.5 billion by 2020 with 60% of 5 years CAGR. Artificial intelligence is becoming more connected to the business, and will reconstruct almost all industries in the future. The rapid development of artificial intelligence is closely related to the development of data, algorithms and computing power. The explosive of big data is used for deep learning. It brings more challenges for computing, and also simulate more innovation for the IT infrastructure.

Many artificial intelligence accelerating products released by Inspur, such as AGX2, GX4 and SR-AI Rack server, is the advent of infrastructure innovation with the development of artificial intelligence. The

AGX-2 supports the deployment of eight NVLink or PCI-E GPU in 2U chassis, which is the first domestic vendor offered products can support the NV Link 2.0 interface. It dramatically improving GPU computing density, and it can provide higher computational efficiency for AI applications. GX4 and SR-AI Rack have decoupled of coprocessor and CPU. It helped GPU computing expanded form of standard rack to expansion module, breaking the traditional restriction of 8 adapter, to achieve a higher single-node computing performance. And it can meet the demand of various scenarios such as deep learning training and online reasoning by different modular design.

The ABC integrated system launched by Inspur and Baidu, it brings PaaS level solution of artificial intelligence. Based on Baidu's investment of AI technology and application, ABC integrated system supports face recognition, text recognition, voice recognition and many other functions. It can help traditional industries and small & medium-sized internet companies to create their own AI applications such as remote creating financial account, intelligent security monitoring, intelligent voice assistant, credit card recognition and other scenarios by rapid deployment of PaaS layer. The application of this ABC integrated system helps them to break technology threshold and focus on the application development, and will make artificial intelligence more popular.

IDC believes that the innovative design in a series of artificial intelligence infrastructure products from Inspur will not only happened in local market, and will also impact on the global AI infrastructure products. How to promote China's innovation to overseas markets, will be a key issue Inspur need to consider in the future。

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