

## The SDN application on data transfer and cyber security in IHEP

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Network performance and security are important for HEP experiment data and information exchange. the Software Defined Network(SDN) gives us a new idea and choice to design and implement a new network model to guarantee or improve the network performance and security. there are two SDN application projects in IHEP have been launched, SDN@WAN is focusing on the quality of HEP data transfer among different computing sites around China with the current available network infrastructure and SDN@SEC is focusing on the network intrusion-detection and protection with SDN architecture.

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