

TRUSTED HARDWARE-BASED DATA MANAGEMENT METHODS, APPARATUSES, AND DEVICES

ABSTRACT

Embodiments of the present specification disclose a trusted hardware-based
5 data management method, apparatus, and device. The solutions include the
following: a data owner can register a personal decentralized identifier based on a
blockchain technology, and establish a binding relationship between the
decentralized identifier of the data owner and trusted hardware, so that after
obtaining data description information used to describe target data of the data
10 owner that can be provided by a trusted institution, the trusted hardware can
request the trusted institution to verify whether the trusted institution stores user
service data needed for generating the target data. If the trusted institution stores
the user service data needed for generating the target data, the data owner can
publish the data description information by using the trusted hardware, so that the
15 data owner can conveniently manage a data asset by using the trusted hardware.

FIG. 1