Methods, Apparatuses and Systems for Obtaining Data Authorization

Abstract

The embodiments of this specification provide a method, apparatus and system for obtaining data authorization. In the method for obtaining data authorization, any first computing node in a trusted computing center receives an authentication request from a first provider. Authentication information is returned to the first provider, where the authentication information at least comprises a first code hash of a first computing logic running in the first computing node. A channel establishment request sent by the first provider is received after determining that the first computing node passes trusted authentication and the first code hash passes correctness verification. A first trusted channel is established between the first provider according to the channel establishment request. A target encryption key among encryption keys of multiple encrypted shards obtained based on private data of the data provider is received through the first trusted channel, thereby obtaining permission to perform computation on a target encrypted shard corresponding to the target encryption key based on the first computing logic. This ensures the security of the private data of the data provider.

[FIG. 5]