ABSTRACT

A data caching and reading method, and a data access system are provided. A client sends a first request to a data storage system so as to obtain metadata of target data. The client sends a second request to a data caching system, the second request comprising the metadata. The data caching system determines, on the basis of the metadata, whether cache target data consistent with the target data stored in the data storage system is cached. When it is determined cache target data is cached, the client obtains the target data from the data caching system. When no consistent cache target data is cached, the client obtains the target data from the data storage system, and sends the obtained target data to the data caching system, so as to cache the target data.