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(54) **Title:** METHOD, APPARATUS AND SYSTEM FOR PROCESSING ACCESS TO OBJECT STORAGE

(54) 发明名称: 处理对象存储访问的方法、装置及系统

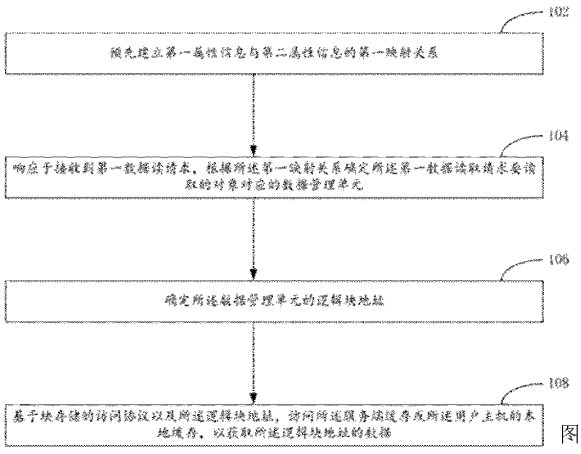


图 1

102 Pre-establish a first mapping relationship between first attribute information and second attribute information
104 In response to a first data read request being received, according to the first mapping relationship, determine a data management unit corresponding to an object to be subjected to reading, which is requested by the first data reading request
106 Determine a logical block address of the data management unit
108 On the basis of an access protocol of block storage and the logical block address, access a cache of a serving end or a local cache of a user host, so as to acquire data of the logical block address

(57) **Abstract:** Provided in the embodiments of the present description are a method, apparatus and system for processing access to object storage. The method comprises: a user host pre-establishing a first mapping relationship between first attribute information and second attribute information, wherein the first attribute information is attribute information of objects in an object storage device, the second attribute information is attribute information of data management units in a host system of the user host, and data of at least one data management unit is data of a corresponding object and is stored in a cache of a serving end and/or a local cache of the user host; in response to a first data read request being received, according to the first mapping relationship, determining a data management unit corresponding to an object to be subjected to reading, which is requested by the first data read request; determining a logical block

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address of the data management unit; and on the basis of an access protocol of block storage and the logical block address, accessing the cache of the serving end or the local cache of the user host, so as to acquire data of the logical block address.

(57) 摘要：本说明书实施例提供处理对象存储访问的方法、装置及系统，其中所述方法包括：用户主机预先建立第一属性信息与第二属性信息的第一映射关系，其中，所述第一属性信息为对象存储设备中对象的属性信息，所述第二属性信息为所述用户主机的主机系统中数据管理单元的属性信息，至少一个数据管理单元的数据为对应对象的数据且存储于服务端缓存中和/或所述用户主机的本地缓存中；响应于接收到第一数据读请求，根据所述第一映射关系确定所述第一数据读取请求要读取的对象对应的数据管理单元；确定所述数据管理单元的逻辑块地址；基于块存储的访问协议以及所述逻辑块地址，访问所述服务端缓存或所述用户主机的本地缓存，以获取所述逻辑块地址的数据。