

DATA ACCESS METHOD AND APPARATUS

ABSTRACT

5 Provided in the present application are a data access method and apparatus, which are applied to an operating system based on a WebAssembly virtual machine. The method comprises: obtaining a data access instruction initiated by an application program, wherein the data access instruction carries first variable data of a reference variable; on the basis of storage area identification information in the first variable data of the reference variable, determining a
10 storage area address of a data storage area corresponding to the application program; on the basis of the storage area address, acquiring basic attribute information recorded in the data storage area; acquiring a first check factor associated with the reference variable; on the basis of the basic attribute information and the storage area address, calculating a second check factor; and if the first check factor and the second check factor are identical, acquiring target data from
15 the data storage area on the basis of the first variable data of the reference variable and the storage area address. The solution of the present application can improve the security and reliability of data access regarding an operating system based on a WebAssembly virtual machine.

(FIG. 1)