

Abstract

The disclosure provides a runtime virtualization method and apparatus. A specific
5 implementation of the method comprises: constructing a dynamic runtime library
based on a native runtime library of an application program, the dynamic runtime
library simulating a thread implemented in the native runtime library in a co-routine
manner; loading the dynamic runtime library when starting the application program,
and generating a runtime virtualization environment and a co-routine scheduling
10 thread running in the runtime virtualization environment, the co-routine scheduling
thread being used to schedule a co-routine, and the runtime virtualization environment
being an environment after a runtime environment generated by the native runtime
library is replaced; receiving a task request of the application program in the runtime
virtualization environment; and scheduling the co-routine using the co-routine
15 scheduling thread based on the task request and the dynamic runtime library, so that
the co-routine completes a task corresponding to the task request.

(FIG. 1)