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(54) Title of the Invention: **Method and system for generating a virtual machine based on templates**
Abstract Title: **Method and system for generating a virtual machine based on templates**

(57) The invention relates to a method and a system for providing a virtual machine according to a specification of a user for use on a hypervisor, which allow an automatic selection of a suitable virtual machine template for providing a virtual machine in a short time. A virtual machine configurator provides a user interface to specify the software elements of various software hierarchy levels to be included in the virtual machine. The virtual machine configurator applies a scoring algorithm based on scores assigned to software elements according to their software hierarchy levels to calculate a score value for all virtual machine templates provided in a library, selects from the library the virtual machine template having the highest score value, and delivers the selected virtual machine template as a virtual machine to the hypervisor.

