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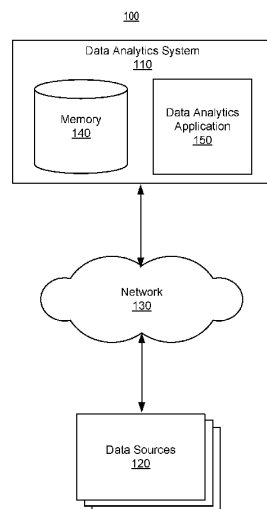


FIG. 1

(57) Abstract: A module manages usage of a memory in a computer by scheduling data processing tasks. The module determines whether a memory associated with a computer is available for performing a data processing task. In response to determining that the memory is not available for performing the data processing task, the module generates a factory object for performing the data processing task. The factory object specifies instructions to produce the data processing task. After the factory object is generated, the module receives a request to perform the data processing task. The module produces the data processing task by using the factory object in response to the request and determine again whether the memory is available for performing the data processing task. In response to determining that the memory is now available for performing the data processing task, the module performs the data processing task by using the memory.

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