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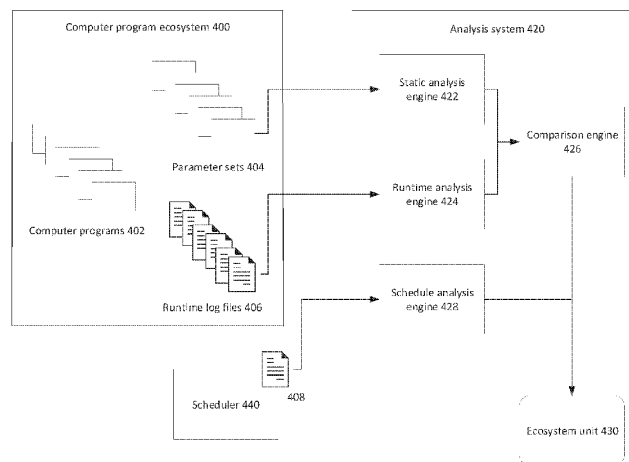


FIG. 4

(57) Abstract: A method for analyzing a computer program ecosystem including multiple computer programs includes performing a static analysis of the ecosystem, including identifying static dependencies among ecosystem elements based on values of parameters in parameter sets associated with the ecosystem, the elements including the computer programs and data resources associated with the computer programs. The method includes performing a runtime analysis of the ecosystem, including identifying elements that were utilized during execution of the ecosystem to process data records. The method includes performing a schedule analysis of the ecosystem, including identifying a computer program that has a schedule dependency from another computer program. The method includes identifying a subset of the elements as an ecosystem unit based on the results of the static, runtime, and schedule analyses; and migrating the ecosystem unit from a first to a second computer system, testing the ecosystem unit, or both.

[Continued on next page]

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