CLAIMS

1. A method for implementing model-based application control frameworks, comprising:

in an information processing apparatus comprising at least one computer processor:

identifying a plurality of executable modules in a software application that are configured to execute independently of each other;

breaking the software application into the plurality of executable modules;

determining a plurality of attributes for each of the plurality of executable modules;

identifying a deployment platform for each executable module;

building an attribute model for the software application based on the executable modules, the attributes, and the deployment platform;

identifying control requirements for the attribute model;

identifying actions to implement the control requirements; and

deploying the actions to implement the control requirements in the software application.

2. The method of claim 1, wherein the attributes comprise at least one of an OS type, a data classification, and external interface.

3. The method of claim 1, wherein the attributes are automatically identified using at least one of a code scan, an inventory system, and a server scan.

4. The method of claim 1, wherein the control requirements are based on a policy for an organization.

5. The method of claim 1, wherein the actions to implement the control requirements are specific to the deployment platform.

6. The method of claim 1, further comprising:

tracking the implementation of the control requirements into the software application.

7. A method for implementing model-based application control frameworks, comprising:

in an information processing apparatus comprising at least one computer processor:

identifying a plurality of executable modules in a software application that are configured to execute independently of each other;

breaking the software application into the plurality of executable modules;

determining a plurality of attributes for each of the executable modules;

identifying a deployment platform for each executable module;

identifying a design pattern associated with one of the executable modules, the attributes for the executable module, and the deployment platform for the executable module;

identifying control requirements for the design pattern;

identifying actions to implement the control requirements; and

executing the actions to implement the control requirements in the software application.

8. The method of claim 7, wherein the attributes comprise at least one of an OS type, a data classification, and external interface.

9. The method of claim 7, wherein the attributes are automatically identified using at least one of a code scan, an inventory system, and a server scan.

10. The method of claim 7, wherein the control requirements are based on a policy for an organization.

11. The method of claim 7, wherein the actions to implement the control requirements are specific to the deployment platform.

12. The method of claim 7, further comprising:

tracking the implementation of the control requirements into the software application.

13. A system for implementing model-based application control frameworks, comprising:

an environment for hosting a software application, the environment comprising a monitoring agent that monitors the software application for an action;

a database comprising a plurality of control requirements; and

an electronic device comprising at least one computer processor, wherein the electronic device performs the following:

in response to an action identified by the monitoring agent, identify a plurality of executable modules in the software application that are configured to execute independently of each other;

break the software application into the plurality of modules;

determine a plurality of attributes for each of the executable modules;

identify a deployment platform for each executable module;

build an attribute model for the software application based on the executable modules, the attributes, and the deployment platform;

identify control requirements in the database for the attribute model;

identify actions to implement the control requirements; and

execute the actions to implement the control requirements in the software application.

14. The system of claim 13, wherein the attributes comprise at least one of an OS type, a data classification, and external interface.

15. The system of claim 13, wherein the electronic device further applies a plurality of questions in a question chain to refine the attributes.

16. The system of claim 3, wherein the attributes are automatically identified using at least one of a code scan, an inventory system, and a server scan.

17. The system of claim 3, wherein the control requirements are based on a policy for an organization.

18. The system of claim 3, wherein the actions to implement the control requirements are specific to the deployment platform.

19. The system of claim 3, wherein the environment is a development environment or a production environment.