

WHAT IS CLAIMED IS:

1. A method for performing a task in a personal workspace with at least one original tool and at least one original information unit acquired from one or more external information sources, the method comprising steps of:

(i) providing at least one matterizer for performing a unifying process to the personal workspace, wherein at least one unified information unit is produced from the at least one original information and at least one unified tool is produced from the at least one original tool via the at least one matterizer;

(ii) providing the at least one unified information unit and the at least one unified tool to the personal workspace; and

(iii) using the at least one unified tool to access or control the at least one unified information unit to perform the task, wherein while the at least one unified tool is used in the personal workspace to access or control the at least one unified information unit, the corresponding at least one original tool is accessing or controlling the at least one original information.

2. The method according to claim 1, wherein the at least one matterizer comprises at least one information importer, wherein the at least one unified information unit is provided to the personal workspace after the at least one original information is unified into the at least one unified information unit via the at least one information importer, and/or the at least one unified tool is provided to the personal workspace after the at least one original tool is unified into the at least one unified tool via the at least one information importer.

3. The method according to claim 1, wherein the at least one matterizer includes at least one built-in matterizer that is built in the personal workspace and/or at least one plug-in matterizer that is plugged in the personal workspace.

4. The method according to claim 1, wherein the at least one unified tool obtained via the at least one matterizer includes at least one additional matterizer.

5. The method according to claim 1, further comprising a step of providing the at least one unified information unit and/or the at least one unified tool to a built-in information source.

6. The method according to claim 5, wherein the built-in information source includes a unified script, wherein the unified script is used as an intermediate language in the

personal workspace.

7. The method according to claim 1, wherein the at least one unified information unit includes at least one built-in unified information unit that is built in the personal workspace and/or at least one plug-in unified information unit that is plugged in the personal workspace, wherein the at least one unified tool includes at least one built-in unified tool that is built in the personal workspace and/or at least one plug-in unified tool that is plugged in the personal workspace.

8. The method according to claim 1, wherein the personal workspace is a working environment or a platform comprising a microkernel to host the at least one matterizer, the at least one unified information unit and/or the at least one unified tool.

9. The method according to claim 8, wherein the microkernel provides the at least one matterizer, the at least one unified information unit and/or the at least one unified tool to the personal workspace via a unified script which is used as an intermediate language.

10. The method according to claim 9, wherein the unified script is declared by a document type definition, an extensible markup language schema, a structured language or a structured protocol.

11. The method according to claim 1, wherein in the step (i), the at least one matterizer is provided to the personal workspace via a unified script.

12. The method according to claim 1, wherein in the step (ii), the at least one unified information unit and/or the at least one unified tool is provided to the personal workspace via a unified script.

13. The method according to claim 12, wherein if the at least one original tool is a compatible tool, the at least one original tool acquired from the at least one information source is directly provided to the personal workspace via the unified script, wherein if the at least one original tool is an incompatible tool, the at least one original tool acquired from the at least one information source is indirectly provided to the personal workspace via a compatible adapter and the unified script.

14. The method according to claim 13, wherein the at least one unified tool includes the compatible tool and/or the compatible adapter.

15. The method according to claim 1, wherein in the step (iii), a preset unified tool for supporting the at least one unified information unit is chosen to access or control the at

least one unified information unit according to an attribute of the at least one unified information unit via the personal workspace.

16. The method according to claim 1, wherein in the step (iii), one unified information unit of the at least one unified information unit to be accessed or controlled is dragged and dropped into the corresponding unified tool of the at least one unified tool, so that the unified information unit of the at least one unified information unit to be accessed or controlled is accessible or controllable; or one of the at least one unified tool is dragged and dropped into the unified information unit of the at least one unified information unit to be accessed or controlled, so that the unified information unit of the at least one unified information unit to be accessed or controlled is accessible or controllable.

17. The method according to claim 1, further comprising a step of grouping and placing the at least one unified information unit and/or the at least one unified tool in a specific area of the personal workspace.

18. The method according to claim 1, further comprising a step of adding or deleting the at least one unified information unit in the personal workspace and/or loading or unloading the at least one unified tool in the personal workspace.

19. The method according to claim 1, wherein the at least one information source includes an internet service, a storage medium of a non-transitory computer or a storage medium of a mobile device, and/or the at least one original information includes a file, a web page, a database row, a policy, a rule, or any information accessible from a corresponding machine or a server, and/or the at least one original tool includes a utility, a widget, an intelligent agent, an application, a service or any executable element accessible from a corresponding machine or a server.

20. The method according to claim 1, wherein the at least one unified information unit includes a metadata of the at least one unified tool.

21. A method for accessing or controlling unified matters from external information sources in a personal workspace, the method comprising steps of:

(i) plugging and equipping at least one information importer and at least one unified tool into the personal workspace via a unified script,

wherein the at least one unified tool is modeled from at least one original tool with one unified data model via retrieving and re-organizing attributes and an associated link of the at least one original tool from a first external information source;

wherein the unified tool is directly produced according to the attributes and the associated link when the unified tool obtained from the first external information source is compatible with an execution environment hosted by the personal workspace, and the unified tool is indirectly produced via an adapter to execute interface implementation with the execution environment hosted by the personal workspace when the unified tool obtained from the first external information source is incompatible with the execution environment hosted by the personal workspace;

(ii) providing, by the at least one information importer, an access scheme to retrieve attributes and an associated link from at least one original information requested from a second information source, and generating the at least one unified information unit via the at least one information importer to the personal workspace by modeling the at least one original information with another unified data model via re-organizing the attributes and the associated link of the at least one original information;

(iii) performing a task, which is accessing or controlling the at least one unified information unit by using the at least one unified tool;

wherein while the at least one unified tool is used in the personal workspace to access or control the at least one unified information unit, the corresponding at least one original tool is accessing or controlling the at least one original information; and

wherein the personal workspace is a centralized interface allowing the at least one original information and the at least one original tool from different external information sources to be equipped and to cooperate therein.

22. A computer program product for performing a task in a personal workspace, comprising a program code, wherein while the computer program product is executed in a computer, the program code performs the method as recited in claim 21.

23. A system for performing a task in a personal workspace, comprising:

a first information source, from which at least one original information unit is acquired;

a second information source, from which at least one original tool is acquired;

a first means for allowing at least one matterizer for unifying the at least one original information unit and the original tool, at least one unified information unit corresponding to the at least one original information and at least one unified tool corresponding to the at least one original tool to be provided to the personal

workspace via a unified script; and

a second means for performing a task by using the at least one unified tool to access or control the at least one unified information unit, wherein while the at least one unified tool is used in the personal workspace to access or control the at least one unified information unit, the corresponding at least one original tool is accessing or controlling the at least one original information.

24. The system according to claim 23, wherein the at least one matterizer comprises at least one information importer, wherein the at least one unified information unit is provided to the personal workspace after the at least one original information is unified into the at least one unified information unit via the at least one information importer, and/or the at least one unified tool is provided to the personal workspace after the at least one original tool is unified into the at least one unified tool via the at least one information importer.

25. The system according to claim 23, wherein the unified script is declared by a document type definition, an extensible markup language schema, a structured language or a structured protocol.