CLAIMS

1. A method for providing a data-driven workflow platform, the method comprising:
mapping one or more data fields of selected data objects to one or more elements of a data storage model of the data-driven workflow platform, wherein the selected data objects are stored in a data cloud configuration that is distinct from, and operatively coupled to, the data-driven workflow platform, and wherein the mapping comprises defining a relationship between the selected data objects and the one or more elements of the data storage model;
displaying, on a graphical user interface (GUI) of the data-driven workflow platform, a flow for building a cloud application utilizing or managing the selected data objects, wherein the flow permits a user to add, remove, or modify one or more components of the cloud application, and wherein the flow comprises at least one graphical element corresponding to a rule for automating an action triggered by a triggering event of the selected data objects; and
executing the cloud application built using the flow displayed on the GUI of the data-driven workflow platform to automatically detect the triggering event of the selected data objects in the data cloud configuration and automatically perform the action on at least one of the selected data objects without extracting or loading the selected data objects from the data cloud configuration and without moving the selected data objects to the data-driven workflow platform.

2. The method of claim 1, wherein the data cloud configuration comprises one or more data clouds storing data objects, and wherein the data-driven workflow platform is granted permission to access, process, and edit the data objects stored on the one or more data clouds.

3. The method of claim 2, wherein the one or more data clouds store the data objects using one or more different data schemas.

4. The method of claim 1, wherein the relationship is defined by a user via the GUI.

5. The method of claim 1, wherein the relationship is automatically generated by the data-driven workflow platform and displayed on the GUI as a recommended relationship.

6. The method of claim 1, wherein mapping the selected data objects to the data storage model comprises identifying a missing element from the data storage model and prompting a user to identify another set of data objects for the missing element.

7. The method of claim 1, wherein the data storage model comprises a plurality types of data including at least one of task type, application type, and element data type.

8. The method of claim 7, wherein mapping the selected data objects to the data storage model comprises mapping the selected data objects to an element data type.

9. The method of claim 1, wherein the flow permits a user to add, remove or modify one or more components of the cloud application by dragging and dropping one or more graphical elements to the flow.

10. The method of claim 9, wherein the flow comprises a pre-built template flow prompting the user to add, remove or modify the one or more components.

11. The method of claim 10, wherein the pre-built template flow is automatically determined based at least in part on the selected data objects and the cloud application.

12. The method of claim 1, wherein the rule is automatically generated based at least in part on one or more data fields added to the flow.

13. The method of claim 12, wherein the rule is automatically generated using a model and wherein the model is developed using rules extracted from past actions and previously processed data.

14. The method of claim 13, wherein the model is trained using a machine learning algorithm.

15. The method of claim 13, wherein the rule is recommended to a user on the GUI and wherein the at least one graphical element allows the user to accept, reject or modify the rule.

16. The method of claim 1, wherein the rule is manually defined by a user via the GUI.

17. The method of claim 1, wherein the rule comprises a definition of the triggering event and wherein the triggering event is time-based, or is associated with a change of value or a change of status of at least a subset of the selected data objects.

18. The method of claim 17, wherein the rule further comprises a definition of condition for executing the action.

19. The method of claim 17, wherein the rule further comprises a definition of the action.

20. The method of claim 19, wherein the action is selected from the group consisting of add a watcher, update a field, send a notification, post a comment, assign to a user or a group, and create a record.

21. The method of claim 1, further comprising displaying, within a portal of the GUI, the selected data objects conforming to the data storage model.

22. The method of claim 21, further comprising modifying a value of at least one of the selected data objects via the GUI and automatically updating the value of the corresponding selected data objects in the data cloud configuration via an API connection.

23. The method of claim 21, further comprising receiving an instruction to perform an operation on at least one of the selected data objects via the GUI and executing the operation on the at least one of the selected data objects in the data cloud configuration without using an extract, transform, load (ETL) or an extract, load, transform (ELT) data integration process.

24. The method of claim 23, wherein the selected data objects comprise transactional data or streaming data and wherein executing the operation further comprises caching an intermediary result by the data-driven workflow platform.

25. The method of claim 1, wherein the triggering event of the selected data objects includes a change of the selected data objects stored in the data cloud configuration.

26. The method of claim 1, wherein the flow is identified from a plurality of predefined workflows by a large language model (LLM).

27. The method of claim 26, wherein the flow is identified based at least in part on a data schema of the selected data objects stored in the data cloud configuration.

28. The method of claim 26, wherein an output of the LLM comprises a list of instructions for creating the flow.

29. A system for providing a data-driven workflow platform, the system comprising at least one processor and instructions executable to cause the at least one processor to perform operations comprising:
operatively coupling the data-driven workflow platform to one or more data clouds distinct from the data-driven workflow platform;
mapping one or more data fields of selected data objects to one or more elements of a data storage model of the data-driven workflow platform, wherein the selected data objects are stored on the one or more data clouds, and wherein the mapping comprises defining a relationship between the selected data objects and the one or more elements of the data storage model;
displaying, on a graphical user interface (GUI) of the data-driven workflow platform, a flow for building a cloud application utilizing or managing the selected data objects, wherein the flow permits a user to add, remove, or modify one or more components of the cloud application, and wherein the flow comprises at least one graphical element corresponding to a rule for automating an action triggered by a triggering event of the selected data objects; and
executing the cloud application built using the flow displayed on the GUI of the data-driven workflow platform to automatically detect the triggering event of the selected data objects in the data cloud configuration and automatically perform the action on at least one of the selected data

objects without extracting or loading the selected data objects from the data cloud configuration and without moving the selected data objects to the data-driven workflow platform.