

CLAIMS

1. A method for data management, comprising:
in an information processing apparatus comprising at least one computer processor:
generating a unified model for a plurality of data sources for an organization, the unified model identifying the data sources and a type of data associated with each data source;
harvesting data from the data sources;
linking the harvested data to the unified model, wherein the linking comprises generating a data lineage including one or more applications that access the harvested data, and downstream data that is associated with the harvested data; and
receiving and processing a data lineage query against the linked harvested data.
2. The method of claim 1, wherein the unified model further identifies an application and the type of data that the application accesses.
3. The method of claim 1, wherein the unified model further identifies a user and the type of data that the user accesses.
4. The method of claim 1, wherein the unified model comprises an association for a data element to a logical data model attribute.
5. The method of claim 1, wherein the data source comprises an application.
6. The method of claim 1, wherein the data is harvested in a first format, first format comprising one of XML, JSON, SharePoint, and Spreadsheet formats.
7. The method of claim 6, wherein the harvested data is translated from the first format into a second format.

8. The method of claim 7, wherein the second format comprises a Research Description Framework format.
9. The method of claim 1, wherein the linked harvested data is stored in a graph database.
10. The method of claim 1, wherein the data lineage query is a traceability query.
11. The method of claim 1, further comprising:
the computer processor executing an action in response to the query.
12. The method of claim 11, wherein the action is a quarantining action.
13. The method of claim 11, wherein the action is a disconnect action.
14. The method of claim 1, further comprising:
registering the plurality of data sources by recording metadata from the plurality of data sources and conforming the metadata to the unified model.
15. The method of claim 1, wherein the unified data defines a type of data and a meaning of that data to the organization.
16. The method of claim 1, wherein the query returns an identification of at least one data source that had access to the data.
17. The method of claim 1, wherein the query returns an identification of at least one application that had access to the data.
18. The method of claim 1, wherein the query returns an identification of at least one user that had access to the data.