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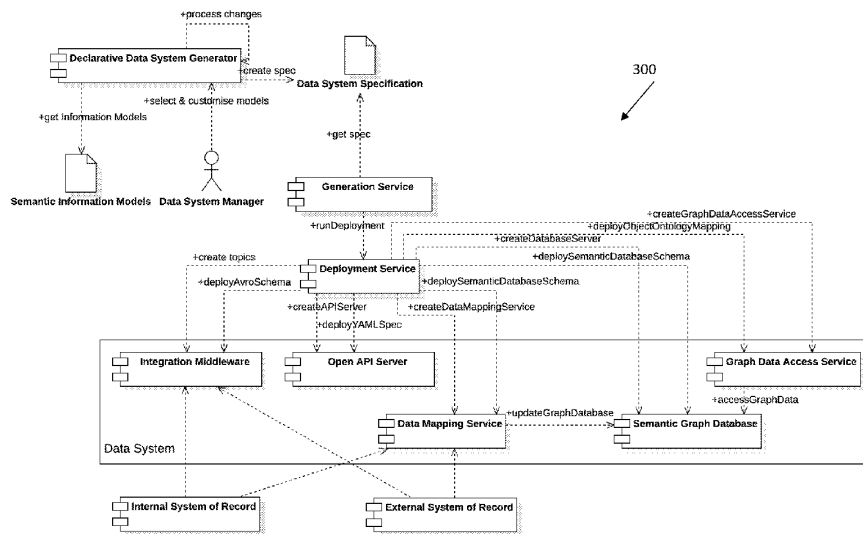


Figure 3

(57) Abstract: A method of defining and managing data integration, data storage, programmatic data access and data serving is described, the method comprising: retrieving from memory a set of semantic information models; displaying for a user a set of semantic information models; receiving a selection from the user; based on the selection assembling canonical specification schema artifacts, the canonical specification schema artifacts used to define data integration, storage, programmatic access and serving of data; generating canonical specification schema artifacts, used to define data integration, storage, programmatic access and serving of the data; displaying for the user the canonical integration schema artifacts; receiving a selection from the user whereby the canonical schema is mapped to data sources, and sending the appropriate schema artifacts to appropriate Data System endpoints and configuring the endpoints for

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operation. A system implementing the method is also described.