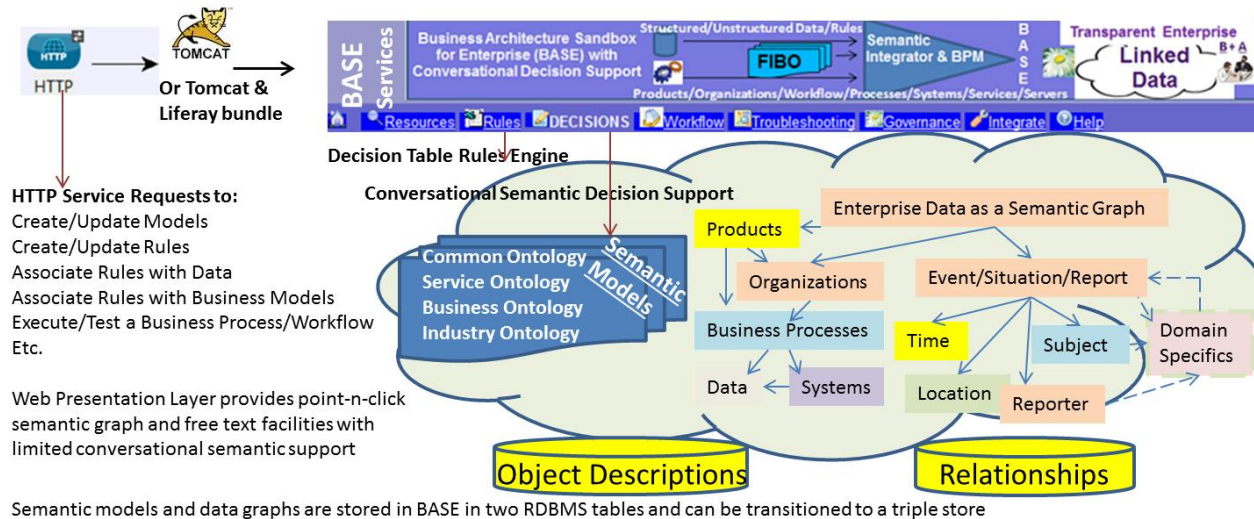


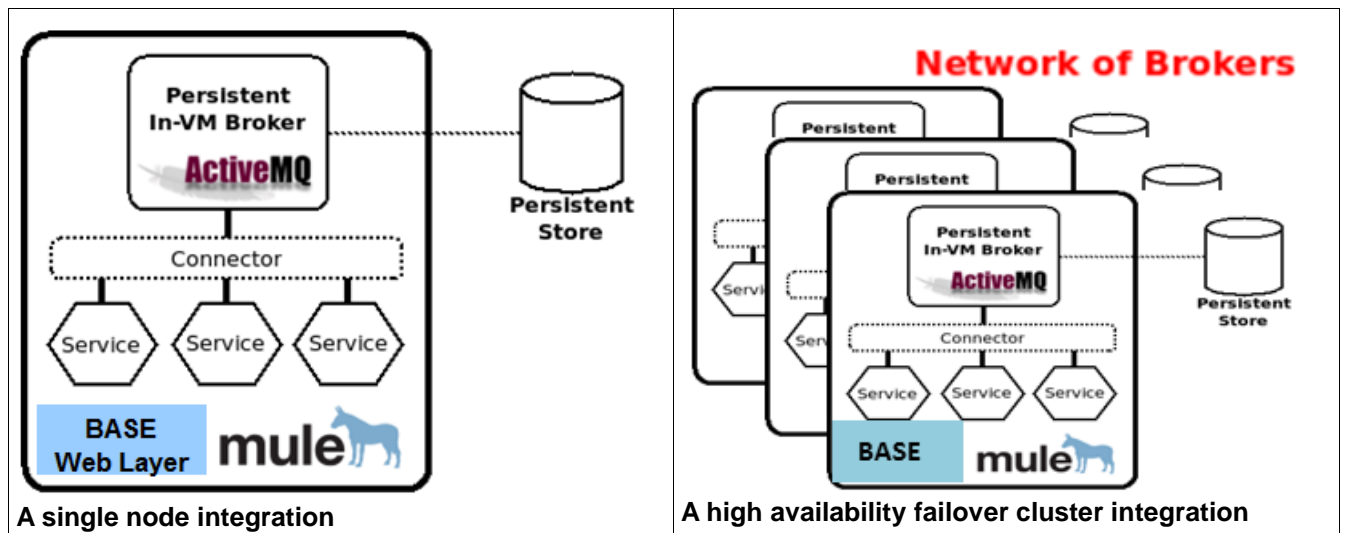
About BASE (Business Architecture Sandbox for Enterprise)

IT systems in every industry and every company have different architecture implementations, as different technology interpretations of different business needs. My book focuses on the methods to greatly simplify current IT by directly placing descriptions of the business needs in the model represented by a semantic graph. The BASE (Business Architecture Sandbox for Enterprise) provides a transitioning step in creating and using these models in development and production.



Core BASE services help to create and manage the models, test and execute model-based business processes and workflows. This is a consistent move to a higher level model abstraction with the focus on expressing the model with the most powerful instrument – natural language (not there yet, but we are getting there).

To provide high availability and failover production solution, BASE is configured as a web cluster and integrated with a distributed message bus (Mule ESB cluster) and persistent message queue (ActiveMQ cluster). These basic SOA standardizations provide the ground for service orchestration, reducing tight coupling of applications, and decreasing production problems and maintenance efforts. The book describes the details of the integration in the “Standard event processing with the BASE, ESB/Mule, and ActiveMQ” chapter.



Traditional problems of data filtering and data replication are solved automatically, not at the database level, but at the higher level of events distribution and subscription, on the message bus. The chapter “Prepare for multiple partners and business dialects” elaborates on how the semantic layer on the top of ESB will change the way of handling enterprise messages. BASE, distributed message bus and persistent MQ made a powerful trio, which can handle in a standard way many different tasks, tasks that are described and managed semantically.

IT of the future will manage information in its ultimate and the most expressive form of natural language. Conversational Semantic Decision Support will help us, humans, to communicate to machines and behind the scene will create semantic models. A standard set of semantic tools is coming to play. These tools will work with semantic models and semantic data graphs. They will have unprecedented power of understanding what we want and unprecedented access to global Linked Data. These standard tools, offered by multiple vendors, like Fluent Operations or Allegro Graph, will not be expensive. A lot of them are and will be open source. BASE helps transitioning from the current diversity of IT components to a much simpler world of Semantic Cloud Architecture with much more cost-efficient IT than we have today.

Read more at <http://ITofTheFuture.com>