



The Anterus Intelligence Factory

The Anterus *Intelligence Factory* (Figure 1) is a comprehensive environment for designing, testing, and deploying intelligent software applications. *The Intelligence Factory* includes a wide spectrum of facilities for representing diverse types of crisp, fuzzy, and uncertain knowledge, incorporating access to corporate and private data, processing and transforming information, and building core applications that can address a broad area of complex, often nonlinear problems. The *Intelligence Factory* functions are both tightly and loosely connected (depending on a choice of architecture). Thus, rule compilers and execution functions can easily handle rules retrieved from a dialog, stored in a file, maintained in a Policy dictionary, stored in the object repository, or kept in an external database. The elements in a business model are logically collected and organized in the form of a model. Models can be embedded in applications or they can be self-contained agents that are simply connected to applications (models can also be connected to themselves, thus providing a way of building complex systems through an easy method of structural decomposition.)

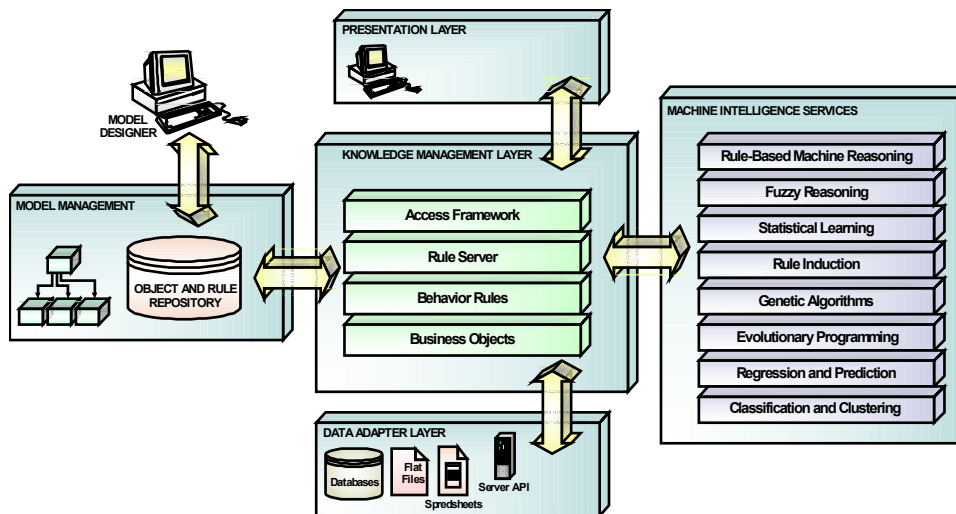


Figure 1. The Intelligence Factory Schematic

<http://www.anterus.com>



Features:

Technology

- Internal database management,
- Conventional if-then-else rule reasoning,
- Fuzzy if-then rule reasoning,
- Blackboard facilities for inter-model communication
- Knowledge discovery and rule induction
- Statistical Learning and Time Series analysis
- Knowledge and Model optimization through genetic algorithms
- Object encapsulation
- Model architecture configuration
- Data Structure management
- Procedural scripting.

Modeling and Analysis

- Acquire and represent knowledge
- Build, organize, and maintain rule-based business models
- Deploy business models in a highly distributed environment
- Synchronize and coordinate knowledge
- Learn the intrinsic behavior of logically connected business models
- Reveal deep and meaningful patterns in data and processes
- Derive and optimize new business rules
- Create and evolve new models by learning business patterns
- Predict the short and long-term behavior of distributed business systems
- Uncover strengths and weaknesses in complex systems
- Track system performance in terms of operational goals