

What is Witmate

Witmate is a widely usable pure Java logic engine.

Witmate is designed not only to support rule match, but also to run any logics in any application areas.

Witmate offers leading architecture to support wide applications that execute from mobile environment to high-end enterprise systems.

How to use it

Witmate is the tool to manage more and more complex and inconstant business rules in modern market environment separated with applications code from mobile to high end.

As logic engine, not only a rule match engine, Witmate is a powerful tool to fill the gap between area experts and programmers. Witmate offers a programmer friendly coding interface and an easy understandable logics describe language, that make experts and programmer just to focus on their own area, and get smooth integration of their works.

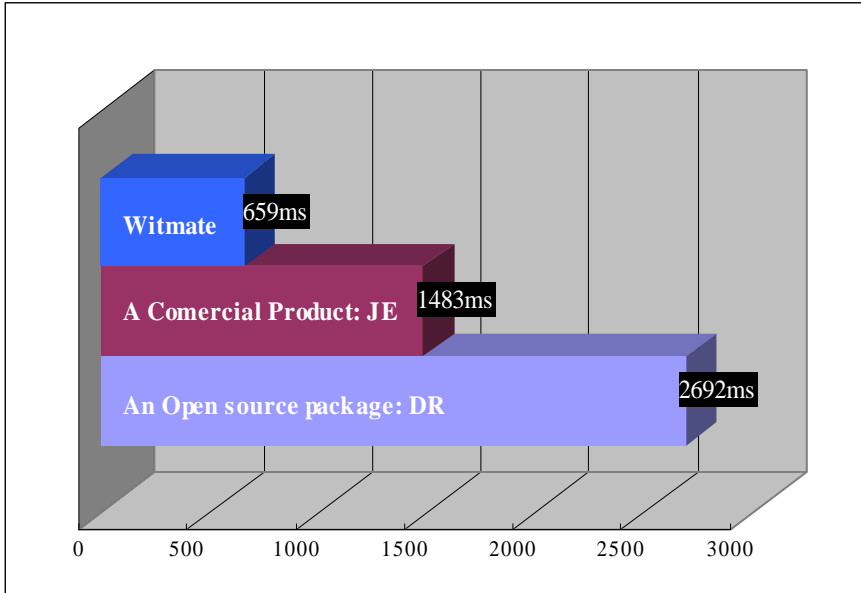
As examples of typical usages, Witmate may be used as:

- A) Business rule engine: Run business logics on enterprise system.
- B) Mobile logic engine: Run application logics on mobile devices.
- C) Logic management: Create, Modify, Update and exchange logics separated with application code.
- D) Logic broadcast system: Management logics centrally and broadcast them to servers, PCs and even mobile devices.

Advantages

- I Wide environments support from mobile devices to high-end enterprise system. All components of Witmate can be executed on J2ME platform and JSR94 standard cover layer/SOAP interface smoothly integrates Witmate with enterprise system as J2SE and J2EE platforms. OSGi bundles are exposed.
- I One logics set can be expressed as 3 formats in Witmate to fit different targets, environments and usages. Witmate offers tools to translate between these formats. The formats are:
 - Ø Simple Logic language (SL): an easy understandable human-friendly logic description language to help experts to create logics and work together with programmers.
 - Ø Simple Logic Markup Language (SLML): an XML based format. This format makes Witmate ready for creating, managing logics by computers and exchanging logics amount enterprise systems, E.g. Web services or SOA based systems.
 - Ø WitStream (WS): a very compact text based format. Sending logics through any mobile or narrow networks is possible by this format. The parser of WitStream is also very light to execute on any devices, even smallest mobile phones. In the enterprise world, WitStream and its light parser makes storing and retrieving logics very economical.
- I High performance / small footprint / managed Multi-Thread support.

8 • 16 times better Performance vs. Cost



2 - 4 times faster

(100 times load and match of a real world rule set on a P4 PC without GC)

1/4 memory usage

(100 times load and match of a real world rule set on a P4 PC without GC)

