ARCHITECTURE DRIVEN CONSTRUCTION AND MONITORING

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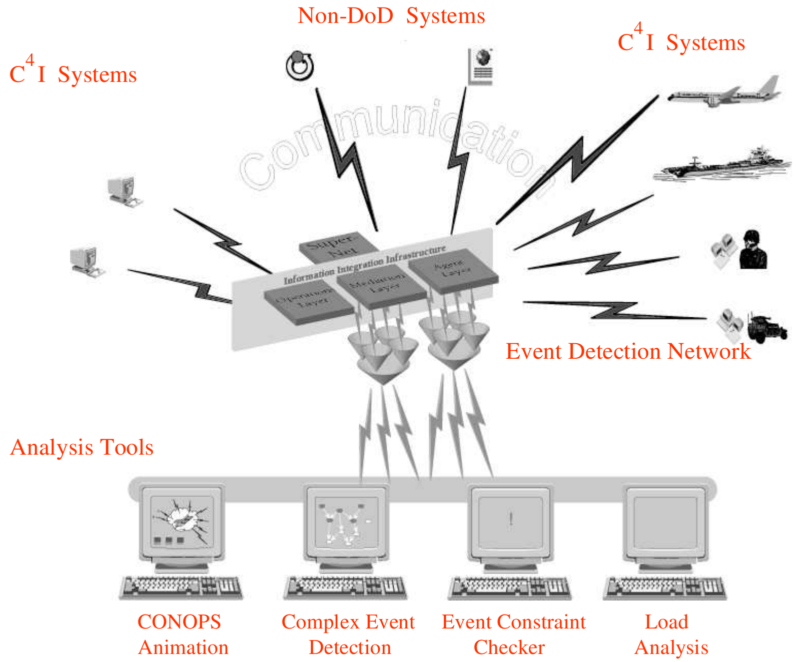


IMPACT

A new highly flexible technology, hosted on all commercial middleware, for improving at runtime, the capabilities and information provided by large scale distributed systems.

A new technology for scalable automated checking of conformance of distributed object systems to constraint-based industry and DOD reference architecture standards, including security standards.

NEW IDEAS

Event pattern language expressing both event causality and event timing, for rapidly configuring event filters, aggregators and constraints.

Complex event processing based on event patterns, for enhancing the capabilities of existing distributed systems.

Java extensions to express architecture concepts with an event-based semantics.

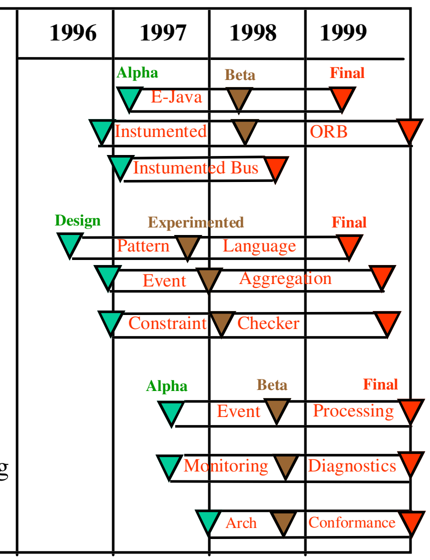
Complex event processing and architecture conformance checking, hosted on commercial middleware.

SCHEDULE

Event-Based Middleware
Annotated Java for event generation
Instrumented CORBA ORB
Instrumented TIBCO Information BUS

Rapide Complex Event Processing
Event pattern language
Event aggregation
Event pattern constraint checker

Technology Transition
Complex Event Processing hosted on Middleware.
Event aggregation & constraint checking of middleware-based applications.
Architecture conformance checking.



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