

Kinesthetics eXtreme (KX)

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Demonstrable Technologies, 1

- Flexible XML (**FleXML**)
 - Validating SAX-style incremental parser
 - Dynamically extensible/constructible/interoperable schemas (ad hoc or complying with hints)
 - XPath-based Oracle lookup for schema fragments and tag processors
- **Smart Events**
 - XML schema (plus FleXML hints) for probe outputs, gauge inputs, intermediary filtering and routing between probe pub and gauge sub
 - Matched against complex event patterns by FleXML tag processors and timer, etc. libraries
 - Runs on top of Siena attribute/value pairs

Demonstrable Technologies, 2

- **XUES** (XML-based Universal Event Service)
 - Packager converts probe output to smart events
 - Distiller incrementally matches smart event patterns relevant to subscribing gauges
 - Notifier updates external world wrt gauge values, thresholds, changes determined from smart events
- **Worklet** (aka Gaugent) mobile agents for deploying and updating probes, gauges, event patterns and actions, Oracle outputs, etc.
 - Worklet junctions – Java code
 - Worklet virtual machine – adapted to local host component or connector
 - Worklet jackets – micro-workflow entrance and exit conditions, scheduling, etc. wrt decentralized workflow engine

Demonstrable Technologies, 3

- **TRIKX** (TRansitional Interface for KX) – Contextualized “portal” approach to system management console for defining and displaying event patterns, visible gauges, worklets, etc.
- **WHEATIES** (Wimpy HandhEld-Accessible Tracking, Identification and Error correction System) – KX/TRIKX dumbed down for PDAs (PocketPC, PalmOS)