Esper HQ

Time-and-Event-Driven Displays

Web-based Rich Client
Esper HQ - Eventlets
What it is

- Rich web-based multi-window GUI
  - Based on HTML 5 and client-side JavaScript and web sockets standards
- User interface to manage all aspects of CEP engine
  - Statement, variable, type etc. management
  - On-demand queries, iteration results
- Feature Summary
  - EPL editor with syntax highlighting, message indication etc.
  - EPL debugger
  - Detailed reporting of memory use and other important metrics for all state maintained by the engine, in breakdown and summarized
  - CEP engine management: CRUD for statements, modules etc.
  - Wizard for Eventlet and dashboard composition; Launch pad
  - Push monitoring
Esper HQ - Eventlets
What it is

- Eventlets
  - Time and event driven continuous displays
  - Chart, Grid, Time-line, Gauge
  - Interactive and configurable, style-able
  - Composable – faceless launch from URL for dashboards
  - Easy to integrate historical data (pull) and event stream push
  - Integrate data from multiple distributed CEP engine sources
  - Integration and Control with JavaScript
  - jQuery plugin activation
  - JavaScript extension API
Eventlet Continuous Displays
Rich Multi-Window Esper GUI

- Chart, Time-line, Grid, Gauge continuous displays
- Console for managing Esper CEP engine instances
- Faceless launcher for composite dashboards

High-speed high-volume real-time data streams

Historical data

Event Stream connectors & adapters

Historical data access layer

Event Processing Statements

Named Windows

Event Query & Causality Pattern Language

Esper core container

Subscribers

Output adapters

REST Services and Data Push

Esper Continuous processing

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Esper HQ
Configuration

- Requires a modern web browser with
  - HTML 5
  - Web Sockets (If using eventlets)
- Deploy to any J2EE servlet engine or application server
- Can operate against any application that embeds Esper
Thank you

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