What if...

- Your business could anticipate the activity of an “Entity” (think - customer, smart phone component, employee, etc) in your organization?
- Your business could track the most interesting entity interactions in real-time?
- Your team could spend more time exploring entity relationships rather than being buried in heterogeneous data problems?

**Allegro SET** is a closed-loop, self-learning system that lets you…

- See what happens, when it happens
- Understand what it means to your business
- Take action and enforce business policy….. automatically, intelligently and in business real-time

**The Allegro SET Architecture** brings together several new technologies:

- Complex event processing
- Semantic inference engine
- RDF-based triple store and ontologies
- Bayesian Belief Network
- Entity Extraction
- Modern ETL orchestration
- And more…

**Collection of Events in Real-Time**

- Collects published events
- Converts event messages to RDF triples/quad
- Determine relationships of class to properties for this individual (instance)

**Decision Engine:**

Transforms events into a knowledge graph about an entity.

- Orchestrates
  - Update triples
  - Read triples
  - Invoke Bayesian Belief Network
  - Invoke Reasoner
  - Inferences
  - Rules
- Determines meaningful concepts
- Correlates multiple raw events
- Aggregates Information
- Enrichment if necessary
- Publish action message(s)