Low Fidelity Tactical Simulation Environment: simJr

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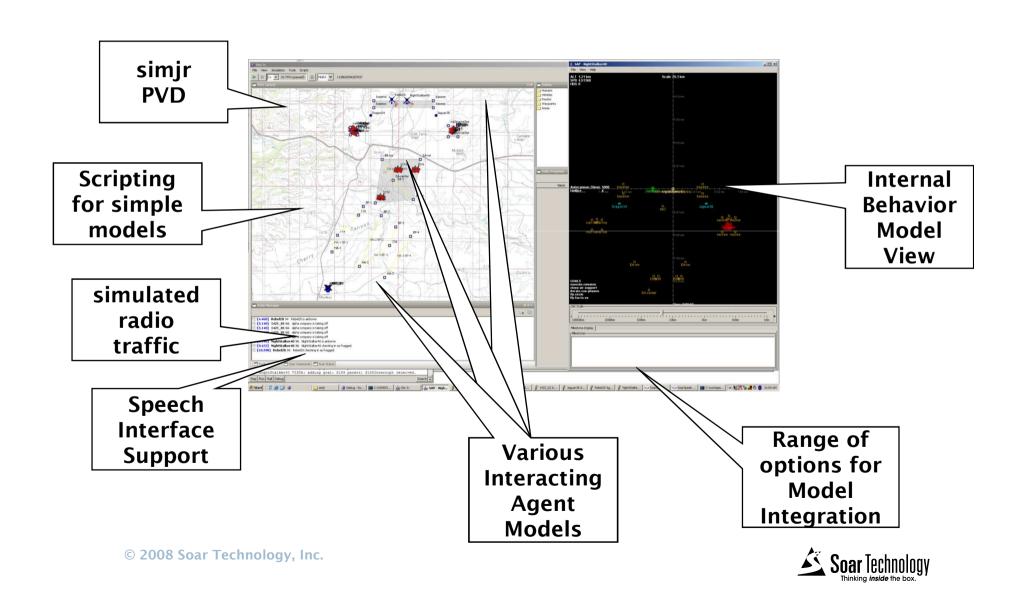
simJr Motivation

- Problem: Most simulation environments are:
    - 1) hugely complex, difficult to interface with
    - 2) under tight restrictions (usage, export, etc)
    - 3) not easily acquired (expensive, licenses, etc.)

- Solution: build our own simulation environment
    - 1) be able to demo our tactical HBMs and related work
    - 2) be able to take and show anywhere (conferences, tradeshows, outside US, etc.)

Lightweight Simulation: "simJr"

simjr PVD

Scripting for simple models

simulated radio traffic

Speech Interface Support

Various Interacting Agent Models

Internal Behavior Model View

Range of options for Model Integration

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Simplified Environment = Focus on Behaviors

- **Nuggets:**
  - Focus on behaviors, not details of movement dynamics, etc.
  - Our own sandbox for new model development, demonstrations, training
  - Integrated Helo-Soar, IF-Soar, TacAir-Soar… SoarSpeak… VISTA… ATE…

- **Coal:**
  - Some useful things missing: eg, terrain
  - Not suitable for all kinds of models that we build

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