A New Soar Editor

Miller Tinkerhess
University of Michigan

Overview

- History
- Goals
- Approach
- Demo

github.com/mtinkerhess/soar-editor

History

- Visual Soar

  – Java app, comes with Soar releases

  – Hasn't been developed for a while

- Soar IDE

  – Eclipse plugin, lots of great features

  – No editable datamap, no impasses

- Database-based Soar IDE

  – Experimental branch of Soar IDE

  – Sqlite backend instead of text files

Goals

- Make it easy to write Soar agents!
- Static error checking
  - Syntax checking, datamap compatibility
- Multiple problem spaces / datamaps
  - Auto-completion based on relevant datamap
- Logistical concerns
  - Version control
  - Integration with environment projects

Approach

- Simplicity
  - .soar files for rules, .dm files for datamaps
  - Assume that .dm files apply to rules in that folder
  - Don't impose a folder structure
- Explicit links between datamaps
  - Can represent superstate relationships
  - Can be used to divide problem spaces into multiple datamap files

Demo