



Pyrrhus Software

Enduring Solutions

An Introduction to ASIS – the Ada Semantic Interface Specification

The Ada Semantic Interface Specification (ASIS) is an interface between an Ada environment as defined by ISO/IEC 8652:1995 (the Ada95 Reference Manual) and any tool requiring information from this environment. This course will conduct an in-depth study of the ASIS interface. It will start with an overview of ASIS and its rationale. Then we will examine each of the components of the ASIS Application Programming Interface (API) starting with context and working through units to elements. A number of examples will be used to investigate the API. We will look at ASIS for GNAT and the steps needed to use ASIS in the GNAT environment. We will also review how ASIS may be used to develop tools for safety critical analysis. And we will briefly highlight what is not supported in the current ASIS definition.

This 3-day course is designed for software engineers who are familiar with the Ada programming language as defined in the Ada 95 Reference Manual (ISO/IEC 8652:1995).