Feature Sheet

SD Source Scanners for CA Repository

Powerful Software Source Scanners using Universal XML Exchange

Feature	Description	Benefit
Respected DMS parser for language fact extraction.	Semantic Design's DMS engine used to parse the source and load the XML input file	Fast, accurate compiler-grade source analysis from a proven source analysis engine. The DMS technology is proven on large scale software systems across a variety of programming languages.
Utilizes CA's new Universal XML Exchange format	SD Source Scanners use the new XML exchange capability of CA Repository	Compatibility with both the CA Repository for Distributed Systems and the CA Repository for z/OS, and can integrate with other tools that utilize XML
Integrates with CA's OO Meta-model	SD Source Scanners use the Object Oriented meta-model format that ships with CA repository	Ensures compatibility with CA Repository and CA Repository tools. No complex metamodel setup or configuration required, the model is ready out of the box.
Full Name and type resolution	Accurate name and type resolution using the DMS parser – with compiler quality analysis of complex code artifacts	Identify impact of changing components across complex inheritance structures
Call graph and inheritance support	Automatically generate program call graph / structure chart information	Identify re-usable components quickly, and extend impact analysis
Java language support today (other languages planned)	SD Source Scanners initially supports Java, but the DMS back end opens up other language possibilities	Eliminate the analysis "black holes" that current exist for on your software applications. Over time, it will be possible to load most or all of an organization's enterprise IT assets into CA Repository.
Extensibility	The DMS core means that additional program information is available for repository analysis if desired.	You are not locked into a specific set of program information – the product is extensible using different techniques. Services are available to extend the meta-model and automatically capture different component level metadata.
World class services available	Services available for installation, configuration, training, and customization	Achieve the full return on investment that CA Repository can bring to an organization.