

Application Parsers

IB-ARM maps every type of artifact with an electronic footprint and every relationship between those artifacts – across applications and across technology boundaries.

IB-ARM’s parsers fall into several categories:

1. **Application Languages:** Program Source Code, Copy Book, Class Definition, Job control languages, Input / Output Definitions (Screens, Reports).
2. **Application Databases:** Database and File Definitions, database procedures and routines, database scripting languages, ETL (Extract, Transform, Load) Tools.
3. **Document artifacts:** Extract non-code based information from Design and Model Documentation (tool-based or simple office documentation), Requirement Definitions, Functional Specifications, Test Scripts, Test Cases, etc.
4. **Infrastructure - Schedulers:** Information from Job Schedulers.

IB-ARM utilizes proprietary source code parsers to provide the most comprehensive source code analysis solution in the industry today. In addition, we create new parsers as required based on grammars and templates to ensure complete coverage of all application related artifact types.

The following sections outline the application parser coverage available in IB-ARM.

Contents

Application Parsers	1
Application Languages	1
Application Databases	3
Document Artifacts	4
Infrastructure - Schedulers.....	4

Application Languages

There are a number of Application Languages that IB-ARM parses. Several are multi-platform languages, such as Cobol and C, while others are specific to one platform. The following is the list of Application Language parsers available in IB-ARM:

Multiple Platforms	Cobol
	Assembler
	PL/1
	C
	C++
	C#
	Pro*C
	ftp scripts
	MicroFocus Cobol
	MQ Series
	Oracle Reports
	Oracle Forms
	Powerbuilder
	Centura
Tuxedo	

z/OS Mainframe	JCL
	CICS including BMS Maps
	CLIST
	ADS/Online
	Culprit
	Easytrieve
	Focus
	GDF
	IMS DC including MFS
	Mark IV
	Natural
	NDM scripts
	Neutron Cap
	QMF
	REXX
	SAS
	Umbrella

Java / Web	Java
	JSP
	JavaScript
	HTML
	Cascading Stylesheets (CSS)
	Hibernate
	Struts
Tiles	

Microsoft	Visual Basic / VB.Net
	ASP / ASP.Net
	DOS Scripts
	VBScript

Unix / Linux / AIX	Shell script
	Perl
	Makefile
	Awk script
	UBL (Universal Basic Language)
Unixix	

SOA Artifacts	WSDL
	XML
	SOAP

iSeries / AS400	CL
	DDS
	RPG

HP Tandem NonStop	TAL
	TACL
	Object / Binder

OpenVMS	DCL
---------	-----

Application Databases

There are a number of types of Database that IB-ARM parses. Several are multi-platform while others are specific to one platform. Also, there are several database scripting languages and ETL (Extract, Transform and Load) tools that are parsed by IB-ARM. The following is the list of Application Database and related parsers available in IB-ARM:

Databases	DB2	Includes:	Tables
	DB2 UDB / LUW		Views
	IMS DB – PSB, DBD		Indexes
	IDMS		Primary Keys
	Adabas		Foreign Keys
	Supra		Stored procedures
	Oracle		Packages
	Oracle RDB		Routines
	SQL Server		Triggers
	Sybase		Synonyms
	MySQL		Sequences
	Informix		
	Postgres		
	VSAM		
	MS Access		
	Image/SQL (HP)		

Database Scripting	SQL	ETL Tools	DataStage
	PL/SQL (Oracle)		Informatica
	T-SQL (Sybase)		CA InfoRefiner
	DDL		Cognos Data Manager
	DDS Queries (AS400)		CA Advantage Data Transformer
	DTS Packages (SQL Server)		

Document Artifacts

There are a number of types of Documents that IB-ARM parses including simple MS Office documents through to modelling tools such as Visio and AdvantageGen. . The following is the list of Document artifact parsers available in IB-ARM:

Document Types	MS Office – Word, Excel, Powerpoint
	Visio
	pdf
	JavaDocs
	VBA
	Rtf (Word)
	DCF
	CA Gen (formerly AllFusion Gen, COOL:Gen, AdvantageGen, IEF)

Infrastructure - Schedulers

There are a number of job schedulers that IB-ARM parses. The following is the list of job scheduler parsers available in IB-ARM:

Schedulers	CA-7
	CA-Jobtrac
	CA Workload Automation DE
	Control-M
	AutoSys
	cron
	ECS
	ESP
	Maestro
	ZEKE
	NetBatch (HP Tandem)
	Robot (AS/400)