advanced
People. Partnership. Solutions.

ib-ARM
Application Understanding

Developing a fact-based Application Roadmap: to take the next step, you need to understand where you are now.

The challenge

Your applications are very valuable to your business – that is why you still use them. Mature systems are typically very complex and have been developed over many years. It is often the case that the first generations of developers have moved on. Whether you stay on older applications or look at options to move functionality, it is critical that you have the ability to analyse, maintain and enhance the business logic.

ib-ARM provides an interactive solution that allows any developer to understand, maintain and enhance your legacy applications. As a result, the viability and business value of your legacy applications are dramatically enhanced and your costs and time to production are reduced.

The benefits

Analysts estimate that 30% to 50% of IT budgets are spent on application development and maintenance (ADM), but only 56% of ADM projects are completed on time, with as little as 27% considered a complete success.

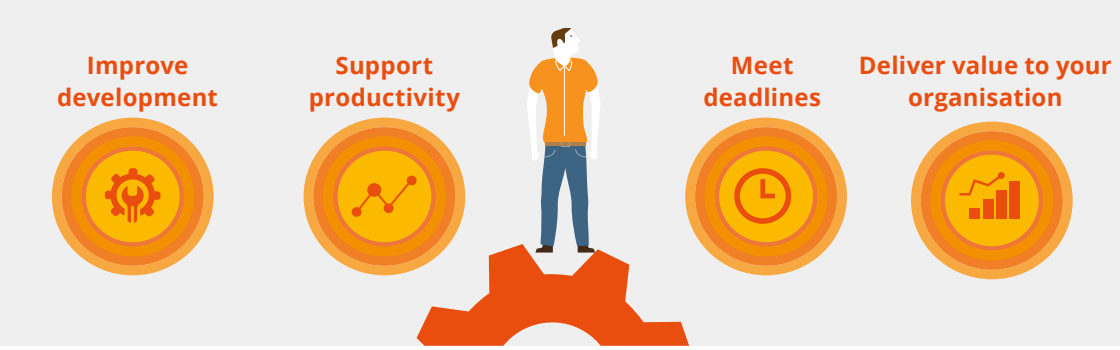
Maintaining the systems and data to support strategic planning, business analysis, ongoing IT maintenance and modernisation is a continuous and time consuming task. Utilising ib-ARM can significantly reduce ADM efforts reducing project costs and timeframes by 25% or more. The more complicated the applications being worked on the greater the savings.

The solution

ib-ARM is a comprehensive application understanding tool covering all of your application sets. Your ability to interact with your applications is complete – from bottom-up source code parsing and inspection to top-down strategy planning.

By parsing the production source code to identify and categorise every single language component, it maps and identifies the inherent relationships between those components. Semantic relationships between languages, technologies and platforms are connected and the end result is a complete inventory and relationship map of every application element within the portfolio across Linux, Unix, Windows, OpenVMS and more.

ib-ARM



Features

- Portfolio metrics
- Complexity ratings
- Function point analysis
- Relationship analysis
- Comprehensive connectivity diagrams
- Application flowcharts
- Portfolio technology analysis
- Orphaned code review
- Embedded source views of linked code
- Application portfolio metrics and technology inventory
- Visual program and data relationship analysis
- Change impact analysis
- Development task estimation
- Dead and orphaned code analysis
- Source code display

Benefits

Parser calibration / customisation

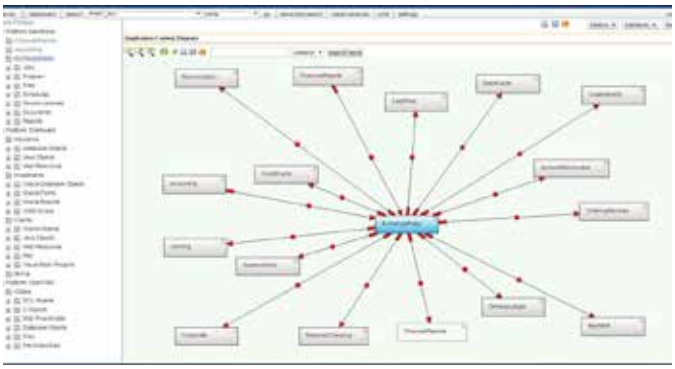
Any non-standard, client specific language constructs, extensions or pre-processors will be calibrated into the APM analysis. Other “out-of-the-box” parsers either trip up on such non-standard programming, or simply ignore it. The end result of ib-ARM is that true insight into your applications is achieved.

Cross-Platform coverage

Multi-platform relationships are automatically mapped:Front-end to back-end

- Messaging protocols – FTP, MQ Series, SOA
- Custom mapping rules
- Continuous cross-system, cross-application flow discovery
- Linux, Mainframe, OpenVMS, Unix, Windows, etc.

Every item within the portfolio is seamlessly integrated



ib-ARM

Application technologies

Languages

ACMS

ASP / ASP.Net

Assembler

Awk script

*Basic

C

C#

C++

CICS including BMS Maps

CL (AS/400)

CLIST

COBOL

CSS

DCL

DCR

DDS (AS/400)

DOS Scripts

Easytrieve

Focus

*Fortran

FTP scripts

GDF

Hibernate

HTML

IMS DC including MFS

Java

JavaScript

JCL

JSP

Makefile

Mark IV

MQ Series

Natural

NDM scripts

Netron Cap

Oracle Forms

Oracle Reports

*Pascal

Perl

PL/1

PowerBuilder

Pro*C

QMF

REXX

RPG / RPG LE (AS/400)
SAS

Shell script

Struts

TACL (HP Tandem)

TAL (HP Tandem)
Tiles

UBL

Umbrella

VBScript

Visual Basic / VB.Net

Unikix TPE

*Some configuration required.

Databases

Adabas

Alpha

DB2

DDL

DTS Packages (SQL Server)

Image/SQL (HP)
IMS DB – PSB, DBD
Informix
MS Access

ORACLE

PL/SQL (Oracle)

Postgres

SQL

SQL Server

Supra

Sybase

T-SQL (Sybase)

UDB

Rbd

ETL Tools

CA Advantage Data

Transformer

CA InfoRefiner

Cognos Data Manager

DataStage

Informatica

Documents

CA Gen (AllFusion, COOL:Gen, AdvantageGen, IEF)

DCF

JavaDocs

MS Office

PDF

RTF

VBA

Visio

Rdb

SOA Artifacts

SOAP

UDDI

WSDL

XMI

XML

XPath

XQuery

XSLT

Infrastructure - Schedulers

AutoSys

CA-Jobtrac

CA-7

Control-M

cron

ECS

ESP

Maestro

NetBatch (HP Tandem)

Robot (AS/400)

Zeke

Unlisted technologies can be added as required

ib-ARM

Where can ib-ARM help?

ib-ARM helps development managers to:

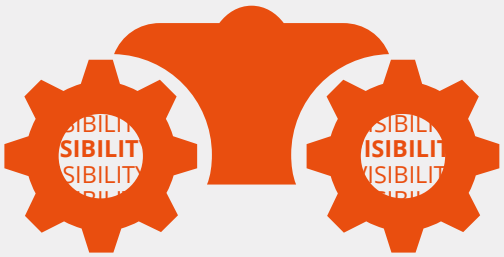
Remove the risk of knowledge loss

Remove the risk of knowledge loss due to 'brain drain' by providing ready access to information typically accessed through tribal knowledge

Save time and money

Save time and money by improving developer productivity

Provide visibility



And give management the visibility to make accurate plans about your application portfolio and other IT related initiatives.

More information

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