FACT SHEET

Application Analyser
Understanding Your Applications

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.

Application Analyser 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 Application Analyser 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
Application Analyser 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.
Application Analyser

**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 Application Analyser 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.
## Application Analyser

### 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)
- T-SQL (Sybase)
- 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

#### 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

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*Unlisted technologies can be added as required*
Application Analyser

Where can Application Analyser help?

Application Analyser 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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