

## Access Gen Datasheet

Access Gen is the culmination of fourteen year's experience delivering productivity solutions to CA Gen projects. It offers a single, integrated graphical interface that delivers all of the information needs and process support that Gen analysis and development projects need to operate at maximum efficiency. Integrating seamlessly into a project regardless of encyclopedia type, development methodology or the system being developed, the performance gains are delivered by addressing a number of issues that arise with CA Gen development without imposing rigid processes around the software's use.

Key product features:

- Simple intuitive browser style GUI
- Fast object searching and expansion to see how objects are related to each other by a simple double click
- Impact analysis support to identify the impact of changing objects
- Interactive browse facilities and usage reports that allow users to drill down through multiple levels of objects to aid analysis and fault diagnosis
- Version control and comparison features to show where objects exist and display the differences between different versions
- View size details and a full packaging report to show what's in load modules and highlight potential view size issues when generating
- Multi-object reporting offers several features such as version reports, redundant object reports, timestamp comparisons, cross model impact analysis, properties reports and checkout queries for multiple objects
- Subset and download support - the analysis features of the software offer a powerful way to identify all objects required for a unit of work. Subsets can then be created or modified quickly and simply. Checkout status reports are built in to help prevent downgrades. Subsets can also be submitted for download
- Aggregate set and migration support - create or modify existing aggregate sets in seconds. Initiate migrates from Access with its own pre-migrate check routine to prevent download failures replacing the time and resource hungry Gen trial migrate process
- Integrated WALKENCY mode to open up the encyclopedia at the object level
- Create popup reports retaining their interactive properties so that successive reports can be created without over-writing previous ones
- Custom Queries feature allowing the product to be expanded infinitely

Our product philosophy is to deliver a single, consolidated interface to the Host or Client Server Encyclopedia, that serves all of the information needs of CA Gen analysis development teams - a one stop shop analysis and development tool kit. A simple installation process, delivering the right information as fast as possible and ease of use are the core areas of focus for their software.

It will reduce project bottlenecks, support and enhance existing and new key processes and provide support for less frequent tasks that were previously time consuming to do. Each feature has been specifically developed to serve the needs of Gen development projects.

## Access Gen features

### Searching

Select your object type(s) and search on name, trancode, domain, member name or object ID for an instant list of applicable objects. Multiple search words with AND/OR options are catered for. Also search on literals contained within all action diagrams or note statements and objects changed by an individual user or across an entire model.

### Navigation

Expand on objects to display related objects. Move from one object to another via parent/child relationships, dialog flows, action block calls, create, read, update and delete statements and entity relationships.

### Browsing

Display action diagrams, user details or windows/dialog box designs, comprehensive entity and attribute information or physical table definitions including foreign keys and indexes. Use the Tree function to get a hierarchical display of the structure of procedures, procedure steps and action blocks.

### Versioning

List all models that contain an object via common ancestry or optionally where common ancestry has been lost (by object type and name or by member name). Last User ID, last date and time changed is also displayed so you can quickly see what version exists in what models.

### Comparing

Where difference versions of objects exist across models, you can compare the Browse command output for the different versions or the properties of those objects. For action diagrams, you can see the actual logic differences between two versions of an action diagram or the differences between the properties of those versions. For entities, subject areas, tables and databases, all subordinate objects are compared and property differences highlighted.

### Impact Analysis

Thinking of changing an object or already made a change? Impact Analysis shows the (potential) impact of those changes for action blocks and externals, procedure steps, aggregate sets, entities and attributes, work attribute sets and work attributes and triggers. For an action block, see a complete list of all load modules that could require a link and bind if changes were made. Nested action block calls are resolved and displayed.

### Subsetting and Aggregate Setting

The Access Gen Pick List supports the fast and simple creation, modification or deletion of subsets and aggregate sets. Scopable objects can be selected and a list of the subsets containing them generated. See the subset name and scoping information and the checked out date and time, the developer's name and the access level held.

### Packaging support

Display the complete packaging details of procedure steps. Users can display the packaging details for either a procedure step (what load modules it is packaged in) or a load module (what procedure steps it packages).

### View Matching support

When browsing an action diagram, USE statements can be selected and the view matching for the USE statement displayed. Access Gen can also display all view matching information for each dialog flow emanating from a selected procedure step. Both the data sent and data returned is displayed.

### Multi-object support

The Pick List lets you exploit the power of Access Gen to the full by allowing tailored lists of objects to be built whilst navigating around the model. Version checks, comparisons, original object ID report, property reports, object used reports and checkout queries can then be performed against all the objects simultaneously. Impact analysis can be performed across multiple models or across multiple encyclopedias.

### Migration support

In addition to actually submitting migration requests\*, the pre-migrate check facility in Access Gen is a powerful tool that can be used to help avoid failed migrations. It performs a set of rigorous tests on a chosen object(s) to determine whether their migration from a source model to a target model is likely to fail and for what reason. It also goes a stage further - if a situation is detected where objects are missing from the migration request (for example a work set attribute used by an action block, that does not exist in the target model) then Access Gen adds those objects to the migration list automatically to help ensure your migrate works first time. In addition, if any referenced data object or exit state has been changed it is also added to the list for migration.

\* Migration submission for CSE installations only

## System Requirements

### Software installation requirements

- Server
  - Windows XP, Windows Vista or Windows 2003
  - ODBC connectivity to the CA Gen Encyclopedia database
  - TCP/IP
  - 75MB Disk space
- Client
  - Windows XP, Windows Vista or Windows 2003
  - TCP/IP
  - 5MB Disk space
  - Internet Explorer 6 or above
- Task Manager
  - Windows XP, Windows Vista or Windows 2003
  - TCP/IP
  - 2MB Disk space

### Encyclopedia database requirements

- Client Server Encyclopedia
  - Oracle 9i with Oracle Net  
or
  - Oracle 10g with Oracle Net  
or
  - Microsoft SQL Server 2000 Service Pack 3
- Host Encyclopedia
  - Suitable DB2 ODBC driver software (e.g. DB2 Connect)

### CA Gen compatibility

CA Gen - compatible with all versions of CA Gen (AllFusion Gen, COOL:Gen, Composer, IEF) up to and including Release 8.x.