

Advantage™ VISION:Inform®

Release Summary

40



Computer Associates®
IFRLS040.PDF/D39-007-011

This documentation and related computer software program (hereinafter referred to as the "Documentation") is for the end user's informational purposes only and is subject to change or withdrawal by Computer Associates International, Inc. ("CA") at any time.

This documentation may not be copied, transferred, reproduced, disclosed or duplicated, in whole or in part, without the prior written consent of CA. This documentation is proprietary information of CA and protected by the copyright laws of the United States and international treaties.

Notwithstanding the foregoing, licensed users may print a reasonable number of copies of this documentation for their own internal use, provided that all CA copyright notices and legends are affixed to each reproduced copy. Only authorized employees, consultants, or agents of the user who are bound by the confidentiality provisions of the license for the software are permitted to have access to such copies.

This right to print copies is limited to the period during which the license for the product remains in full force and effect. Should the license terminate for any reason, it shall be the user's responsibility to return to CA the reproduced copies or to certify to CA that same have been destroyed.

To the extent permitted by applicable law, CA provides this documentation "as is" without warranty of any kind, including without limitation, any implied warranties of merchantability, fitness for a particular purpose or noninfringement. In no event will CA be liable to the end user or any third party for any loss or damage, direct or indirect, from the use of this documentation, including without limitation, lost profits, business interruption, goodwill, or lost data, even if CA is expressly advised of such loss or damage.

The use of any product referenced in this documentation and this documentation is governed by the end user's applicable license agreement.

The manufacturer of this documentation is Computer Associates International, Inc.

Provided with "Restricted Rights" as set forth in 48 C.F.R. Section 12.212, 48 C.F.R. Sections 52.227-19(c)(1) and (2) or DFARS Section 252.227-7013(c)(1)(ii) or applicable successor provisions.

© 2003 Computer Associates International, Inc.

All trademarks, trade names, service marks, and logos referenced herein belong to their respective companies.



Contents

Chapter 1: New Enhancements 1-1

New Output Formats.....	1-1
Precedence.....	1-1
The FORMAT Statement.....	1-2
The SUBMIT Panel.....	1-2
The SUBMIT Command.....	1-2
Query Output.....	1-3
Special Considerations for Comma-Delimited and Tab-Delimited Formats.....	1-4
Background Processor 24/31 Bit Control Statement.....	1-4
SMP/E Installation and Maintenance Support.....	1-5
CA-LMP Support.....	1-5
Documentation Changes.....	1-5

Chapter 2: Enhancements to Existing Features 2-1

Upgrading.....	2-1
Line Editor/Full Screen Editor Compatibility.....	2-1
Session Reconnection Option.....	2-1
Password Processing Added to Logon Exit.....	2-2

New Enhancements

Advantage™ VISION:Inform® release 4.0 provides all the features of ANSWER:Inform, VISION:Inform, and CA-VISION:Inform, plus many new enhancements.

New Output Formats

3270 and Batch Simulator users can specify new output formats for the data requested from standard queries. These new output formats provide data in industry-standard format so it can be used as input for other tools, processes, and platforms. The new formats include tab-delimited, comma-delimited, plain text, and HTML, which lets you create web-enabled output from standard queries.

The output format is specified on the FORMAT statement for individual REPORT groups, but may also be specified on the SUBMIT panel or SUBMIT command. Each of these is described in detail below the section on precedence.

Precedence

If specified in more than one place, the precedence is as follows:

- Output formats coded on the FORMAT statement to override the default of standard report format take precedence, unless overridden by an output format specified at SUBMIT time.
- Output formats specified at SUBMIT time only override the output format of a query when the output format is not specified on the FORMAT statement (that is, the output format is allowed to default to standard report format)—unless the override option, as described in the next item, is specified.
- An option on the SUBMIT panel and the SUBMIT command can force the override of the output format specified on the FORMAT statement with the output format specified at SUBMIT time.

The FORMAT Statement

A new keyword, OUTFMT, has been added to the FORMAT statement to specify output formats for each REPORT group in a query. The new keyword and its valid operands are:

```
FORMAT ... OUTFMT [ STD | HTML | TAB | COMMA | PLAIN ]
```

If the OUTFMT keyword is omitted, the default output format is STD.

The SUBMIT Panel

3270 users can specify the desired format on the SUBMIT panel, which has been modified, as follows, to allow specification of an output format:

Submit2	Computer Associates - Submit	
	Name: IT Type: QUERY OwnerId: SYSTEM	
To Submit the query enter EXIT		
To leave the panel without submitting the query enter CANCEL		
Class	10	(Enter 1-14)
Maximum number of roots	-----	(Enter 1-99999999)
Maximum number of lines	----	(Enter 1-9999)
Route to batch printer?	-	(Y)
Format for logical terminal	-	(Terminal Id)
Generate query source with report	-	(Y)
Output Format	1	(1 - Standard Report 2 - HTML 3 - Tab delimited 4 - Comma Delimited 5 - Plain Text)
Override Query Output Format	-	(Y)
Command ==>		
F1 =Help F3 =Exit F24=Cancel		

The default output format is 1, which produces standard report format. Specifying a Y in the Override Query Output Format field overrides output format specified on the FORMAT statement. If left blank, no override occurs.

The SUBMIT Command

For the Batch Simulator, new keywords, OUTFMT and OVERRIDE, have been added to the SUBMIT command to specify output formats. The new keywords and the OUTFMT valid operands are:

```
SUBMIT ... OUTFMT [ STD | HTML | TAB | COMMA | PLAIN ] OVERRIDE
```

If the OUTFMT keyword is omitted, the default output format is STD.

The **OVERRIDE** keyword has no operands. Specifying **OVERRIDE** causes the **SUBMIT** statement output format to override any output format specified on the **FORMAT** statement. If **OVERRIDE** is not specified, no override occurs.

Query Output

A query that specifies one of the new output formats can be batched with queries that do not, but they are processed differently from queries that produce standard report formats.

The data for the new output formats is written to a file that is dynamically allocated by the **VISION:Inform Background Processor**. A sample file is shown here:

```

**OUTPUT FOR USER ATKGE02**
**ID **
**QUERY 1234-QUERY1 , CLASS 10**
**REPORT NO. 1, PAGE COUNT **
**AGAINST DATABASE FINANCE **
**PROCESSED 03/29/01 AT 17:52:41**
HTM='ATKGE02.QUERY1.I1141104.HTML', RECS= 32, SIZE= 128K

```

The query output consists of the standard report header and a single line of data showing the data set name, record count, and approximate file size. The data set name for these dynamically allocated files consists of these parts:

- The high level qualifier is the user ID of the submitted query.
- The second level qualifier is the query name.
- The third level qualifier is uniquely generated by the Background Processor.
- The lowest level qualifier is a constant, based on the output format specified, as shown below:

OUTFMT	Low Level Qualifier
HTML	HTML
TAB	TAB
COMMA	CSV
PLAIN	TXT

- Optionally, you can specify an additional data set name level in the **HCSCFG** data set used by the Background Processor and Batch Simulator to receive runtime overrides for the dynamically allocated files. If specified, this optional DSN entry becomes the high-level qualifier for the files, and the other four qualifier move down one level, for a total of five qualifiers. See the *System Administrator Guide* for details.

Special Considerations for Comma-Delimited and Tab-Delimited Formats

Two new keywords have been added to the Report Group ITEM statement for special handling of certain character and numeric fields when comma-delimited or tab-delimited format is requested, as shown below:

```
ITEM ..... CSVQUOTE CSVTRUNC
```

Specify the CSVQUOTE keyword only for a character field, when the output format for the report is specified as comma-delimited or tab-delimited. This encloses character fields within quotes (""), regardless of whether or not they contain an embedded comma (,).

Specify the CSVTRUNC keyword only for a numeric field, when the output format for the report is specified as comma-delimited or tab-delimited. This truncates trailing zeros to the right of the decimal point of the numeric field up to the decimal point.

Background Processor 24/31 Bit Control Statement

A new Background Processor Control statement, MODE31, allows users with special runtime considerations (such as CALL statements, User I/O, or GDBI) to take advantage of the new Advantage VISION:Builder 14.0 option for 31-bit/24-bit execution control. (The default mode for Advantage VISION:Builder 14.0 is 31-bit execution.)

It is specified as follows:

```
MODE31 SETTING [ YES | NO ]
```

The SETTING keyword is optional.

There is no default setting. This means that the Background Processor does not generate any 31-bit control statements for Advantage VISION:Builder unless the MODE31 statement is present. If MODE31 is not present, Advantage VISION:Builder defaults to whatever has been set in M4PARAMS (which defaults to 31-bit = yes) or in a Logical Dataview (RP31-BIT).

Tip: The only reason you need to specify MODE31 is if you are using a CALL Query Language statement in a query, and the called program cannot execute in 31-bit mode, or if some other user-written routine used with Advantage VISION:Builder requires 24-bit execution.

SMP/E Installation and Maintenance Support

VISION:Inform can now be installed and maintained using SMP/E. See the environment-specific (CICS or IMS) *Installation Guide* for more details on SMP/E implementation and use.

CA-LMP Support

The Computer Associates License Management Program (CA-LMP) is now used for product license management. This means that CAIRIM services must be installed on the system where VISION:Inform will run.

Documentation Changes

The *VISION:Inform Reference Summary* is now included as an appendix in the *User Guide*. The “Reserved Words” appendix in the *User Guide* is now included in the “Reference Summary” appendix.

The *VISION:Inform ASL Reference Summary* is now included as an appendix in the *ASL Reference Guide*.

The guide formerly titled *VISION:Inform Installation and Support Guide* is now titled *VISION:Inform for CICS Installation Guide* and *Advantage VISION:Inform for IMS/DC and IMS/TM Installation Guide*.

Enhancements to Existing Features

Upgrading

This release, 4.0, is fully upward compatible with Release 3.1 and Release 3.0. If you are upgrading from a release of VISION:Inform prior to Release 3.0, see “Conversion Considerations” in the *Getting Started Guide*.

Line Editor/Full Screen Editor Compatibility

Previous releases of VISION:Inform did not support two-way compatibility between the Line Editor and the Full Screen Editor: when an item was saved with the Full Screen Editor, it could not be edited with the Line Editor. With VISION:Inform 4.0, this limitation has been removed. Both editors are now fully compatible.

Session Reconnection Option

A new PARMBLK option easily implements an RSM (Restricted System Modification) that disables automatic session reconnection. (This is important for user networks that are rotary in nature, where network reconnection processes often result in a different terminal ID being assigned to the reconnecting user, making automatic session reconnection undesirable.)

The new PARMBLK option for session reconnection is specified as shown below:

```
RECONN = [ YES | NO ]
```

Specifying NO disables the 3270 Platform Session Reconnect Capability and causes each logon to be treated as a new session. Specifying YES causes VISION:Inform to operate as in previous releases, where session reconnection is always attempted.

Password Processing Added to Logon Exit

A new PARMBLK option easily implements an RSM (Restricted System Modification) that enhances user profile exits for password checking. (This is important for sites that use security software and want an interface to their security software for access/password validation.)

The password entry to the Logon Profile Exit is activated by specifying the PASSWDX option as shown below:

PASSWDX = [YES | NO]

The default is NO, so that existing Logon exit routines with no password processing are not affected by the change. If YES is specified, the product functions as though the RSM is applied.

The RSM extends the profile exit capability so that it is invoked for password verification during logon. This allows installations to perform their own password verification. The password verification can either completely replace VISION:Inform's password checking or can be done in addition to VISION:Inform's password checking.

See the section Profile Exit with Password Validation Entry in the appendix "Writing Exit Routines" in the *VISION:Inform for CICS Installation Guide* or *Advantage VISION:Inform for IMS/DC and IMS/TM Installation Guide* for more information on using this feature.