

CA InterTest™ Batch

Release Notes

Release 9.1.00



Third Edition

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CA Technologies Product References

This document references the following CA products:

- CA InterTest™ Batch
- CA InterTest™ for CICS
- CA SymDump® Batch
- CA SymDump® for CICS
- CA SymDump® System

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Chapter 1: New Features

This document provides a brief overview of the new features and enhancements of CA InterTest Batch. It helps you identify what has changed before you begin taking advantage of the powerful new functionality of the product.

This chapter summarizes the new features that have been introduced for CA InterTest Batch Release 9.1.00.

Debugging on Foreign LPARs

You can now debug jobs that are executing on a different LPAR than the one you are currently logged on to. The Batch Link Selection panel displays the LPAR the job is executing on in the new SYSID column:

```
----- CA-InterTest Batch Batch Link Selection -----
COMMAND INPUT ==>                                SCROLL ==> PAGE
      *           *           *           *           *           *
#     Jobname   Stepname  Program   Owner    User      Trans    SYSID
***** TOP OF DATA *****
1     JOB01A    STEP1     TESTPGM  USER01   USER01    *        TS001
2     JOB02A    STEP1     CAMRCOBB USER02   USER02    *        TS002
3     JOB03X    RUN       PAYROLL  USER03   USER03    *        TS001
***** LINKED BY USER03 *****
***** BOTTOM OF DATA *****
```

If you select a job from a foreign LPAR for debugging, it is necessary to enter user credentials for that LPAR.

The following prerequisites apply to debugging a job on a foreign LPAR:

- The LPAR must be located within the SYSPLEX.
- TCP/IP must be active and accessible across the SYSPLEX.
- A CA InterTest server must be running on the LPAR.
- The SYSPLEX option available in the CAMRSTBZ program must be enabled during configuration.
- This enhancement was first made available in the 8.5 release in the maintenance cycle.

Improvements to the Scheduling Feature

Sharing Schedules between LPARs in a SYSPLEX

Scheduling is no longer limited to the LPAR you are currently logged on to. Instead, you can share schedules between LPARs. In detail, this means you can:

- Add an IMS / DB2 schedule on one LPAR which is then available on all LPARs.
- Change an IMS / DB2 schedule on one LPAR, the change propagates to all LPARs.
- Delete an IMS / DB2 schedule from one LPAR which is then deleted on all LPARs.
- Trigger an IMS /DB2 schedule and select it for debugging from any LPAR.
- Use the IMPORT and EXPORT functions for all scheduled items available on the LPARs within the SYSPLEX.

To use this functionality, ensure that:

- TCP/IP is active and accessible across the SYSPLEX.
- A CA InterTest server is running on each LPAR that is sharing scheduling.
- You enabled the SYSPLEX option available in the CAMRSTBZ program during configuration.

New Fields for IMS Scheduling

The USER and TRANSACTION fields have been added to the IMS Schedule Maintenance table:

```

----- CA InterTest™ IMS/DC Schedule Maintenance -----
COMMAND ==>                                     SCROLL ==> CUR
COMMAND      : A - ADD a new entry to Schedule.
LINE COMMANDS: D - DELETE selected entry. C - CHANGE selected entry
-----
CMD  REGION/JOBNAME  PROGRAM  TYPE  ONE TIME  USER      TRANSACTION
*****
BIMNTH01  ASSET*    IMS     YES   IMSUSER1  IMSTRANS
BIMNTH01  SALES*    IMS     YES   USER2IMS  IMSTRX02
WKLYPAY   TIMEATTN  IMS     YES   IMSU0003  IMST0003
WKLYPAY   FCIA      IMS     YES   MPPUSER4  MPPTRX04
WKLYPAY   FEDW2     IMS     YES   USERIMS5  TESTTRAN
WKLYPAY   STATEW2  IMS     YES   USERMPP6  TRANSMPP
*****
***** BOTTOM OF DATA *****
    
```

The USER field displays the user ID assigned to the transaction submitted in the MPP region. If this value is supplied, monitoring happens only if the specified user ID starts the transaction.

The TRANSACTION field displays the IMS transaction name that is used for IMS/DC only. A trailing asterisk (*) denotes a generic name. Characters to the left of the asterisk are used for selection. For example ABC* matches any name whose first three characters start with ABC.

Support for Multiple Program Versions in a Single PROTSYM

Version 9.1 PROTSYM files can now contain multiple versions of the same program. When running reports or displaying the PROTSYM programs on a screen or window, duplicate program versions are displayed in descending order of compile date/time (newest to oldest). No JCL or control statement syntax changes are required to the individual language post-processing programs or the IN25UTIL program. New IN25UTIL parameters are provided for the INITIALIZE, DELETE, PRINT, RELOAD, and UNLOAD commands to request multiple program version support and which specify the program versions that you want processed. For more information about the new IN25UTIL parameters, see the section IN25UTIL in "Maintaining a PROTSYM File" in the *Symbolic Guide*.

Version 9.1 supports older versions of a PROTSYM file, but they are limited to only contain a single program version. Versions 8.5 and 9.0 will support 9.1 multiple program version PROTSYM files. However, only the most current version of a program is supported and older program versions will be ignored.

Mixed Case Variables

Variable data modified by the KEEP, DISPLAY, and SET commands are now treated as case-sensitive or mixed-case data.

PROTSYM Space Utilization Monitoring

You can now set a threshold for used space in the symbolic file. When you reach the threshold by adding more programs, you receive a warning message that indicates what percentage of the space is used. Set the threshold by specifying the USEDSPACEMSG parameter with the INITIALIZE or UPDATE functions of IN25UTIL.

Chapter 2: Enhancements to Existing Features

This section contains the following topics:

[Changes to Data Set Names](#) (see page 11)

[Unicode Support](#) (see page 11)

[Support for COBOL 5.2](#) (see page 11)

[CA InterTest Server Changes](#) (see page 12)

Changes to Data Set Names

The names of the data sets or libraries have changed. We recommend that you review the following table to determine the impact this may have to your installation:

Original Name	New Name	Description
CAI.CAILIB	CAI.CAVHLOAD	Common Symbolic component executables
CAI.CAIMAC	CAI.CAVHMAC	Common Symbolic component macros
CAI.CAIPROC	CAI.CAVHPROC	Common Symbolic component procedures

Unicode Support

CA InterTest Batch has been enhanced to display UTF-16 characters when debugging COBOL programs. COBOL data items can be read in the CA InterTest Batch Keep window and Display panel.

CA InterTest Batch requires z/OS Unicode Services to convert UTF-16 to be displayable.

Support for COBOL 5.2

The application now supports COBOL 5.2.

CA InterTest Server Changes

CA InterTest server has been updated to run under Tomcat, along with CA SymDump server, and is now called CA Testing Tools Server. CA Testing Tools Server is capable of handling requests from both CA SymDump and CA InterTest graphical user interfaces.

Follow the instructions in *CA InterTest Batch Installation Guide* to learn how to allocate, deploy, and configure CA Testing Tools Server.

Appendix A: Third-party Acknowledgements

CA InterTest Batch includes software developed by third-party software providers. This appendix provides information regarding these third-party software providers.

This section contains the following topics:

[Eclipse](#) (see page 13)

[Eclipse Plug-Ins](#) (see page 13)

Eclipse

This product contains Eclipse Rich Client Platform 4.2.2 (the Eclipse Product). Use of the Eclipse Product is in accordance with the Eclipse Public License 1.0. The source code for Eclipse Product may be found at <http://www.eclipse.org/downloads/> or <http://opensrcd.ca.com>.

Eclipse Plug-Ins

This section contains the following topics:

- [EPL Plug-ins](#) (see page 13)
- [CPL Plug-ins](#) (see page 13)
- Apache Plug-ins

EPL Plug-Ins

This product contains certain plug-ins, which are provided in accordance with the Eclipse Public License 1.0 (EPL Plug-ins). The source code for the EPL Plug-ins may be found at <http://www.eclipse.org/downloads/> or at <http://opensrcd.ca.com>.

CPL Plug-Ins

This product contains certain plug-ins, which are provided in accordance with the Common Public License 1.0 (CPL Plug-ins). The source code for the CPL Plug-ins may be found at <http://www.eclipse.org/downloads/> or at <http://opensrcd.ca.com>.