



Information Engineering Technology

# *GuardEn* Release Notes



**Release 8.7.4**

# CONTENTS

<b>RELEASE NOTES .....</b>	<b>1</b>
<b>INTRODUCTION .....</b>	<b>4</b>
<b>GUARDIEN GENERAL.....</b>	<b>4</b>
CR11703 LOGON AUTHENTICATION CHANGES .....	4
CR11718 VIEW DESCRIPTIONS.....	4
CR11719 PAD TO INCLUDE DESCRIPTIONS OF VIEWS .....	4
CR11721 GD42 DEFAULT VALUES .....	4
CR11725 TEXT FILTERS ON HOST ENCY .....	4
CR11727 GUARDIEN SERVER SELECT .....	4
CR11731 PERFORMANCE IMPROVEMENTS .....	4
CR11742 SYSTEM UPDATE DETAIL API .....	4
<b>SYSTEM UPDATING.....</b>	<b>5</b>
CR11705 PROVIDE OVERRIDE LINK CONTROL CARD LIBRARY FOR DSNULI LINKED MODULES .....	5
CR11706 SUPPRESS SOURCE GENERATE/INSTALL FAILURES DUE TO MISSING DSNULI BINDER CONTROL LIBRARY .....	5
CR11709 SUPPORT EJB WEB SERVICES AS TP MONITOR FOR RI GENERATION .....	5
CR11711 INVALID NATIONAL LANGUAGE CHARACTERS IN GENERATED WEB SERVICE WSDL.....	5
CR11716 CUSTOM PROXY GENERATION MARKED AS FAILED, BUT ACTUALLY SUCCEEDS.....	5
CR11717 CUSTOM JAVA PROXY INSTALL FAILS .....	5
CR11723 CSE STAGING COPY STEP VARIANT ERROR .....	5
CR11734 XOS MIGRATE AVOIDS GDCW6072 WARNING IF SU STEP DEFINITION TARGET SAME AS SU TARGET .....	5
CR11735 ADDITIONAL LINK FOR BATCH LOAD MODULES.....	5
CR11744 BATCH RESTART SU .....	5
CR11750 DEFAULT STEPS PER JOB FOR CSE->MVS COMPILE.....	5
CR11752 PLAN/PACKAGE BIND ENCODING.....	6
CR11753 GD54 STEP TYPE VALIDATION .....	6
CR11756 ALTERNATE CODE GEN VARIANT DBRM VERSION .....	6
CR11758 CLARIFY BLOK<ENV> DELIVERABLE PROPERTY USED IN GDCW6156 WARNING MESSAGE.....	6
CR11759 HE REMOTE GENERATION .....	6
CR11760 CSE->MVS COMPILE INCORRECT RETURN CODE PARSING.....	6
CR11767 LINKING FOR IMS AND BYPASS SCREEN TYPE .....	6
<b>SYSTEM ADMINISTRATION .....</b>	<b>6</b>
CR 11710 LOGON ISSUE WHEN ACTIVATING USER THAT HAS GENIE ACCESS .....	6
<b>PROJECT ADMINISTRATION .....</b>	<b>6</b>
CR11729 TARGET PROPERTY VALUE REPLACE FUNCTION.....	6
<b>XOS.....</b>	<b>7</b>
CR 11720 XO PROCESSING MVS JOBS INCORRECT JOB CLASS.....	7
CR11745 XO PROCESSING MVS PASSWORD.....	7
<b>INTERFACES .....</b>	<b>7</b>
CR 11741 CSE ENDEVOR INTERFACE ENHANCEMENT .....	7
<b>GENIE DIRECT .....</b>	<b>7</b>
CR11764 PRESERVE OPSLIB/ZLIB WHEN CHANGING EAB TO AB AND AB TO EAB .....	7
<b>VERIFIER .....</b>	<b>7</b>
CR 11737 IET016 AND ATTRIBUTE STATE FLAGS .....	7
CR 11738 NEW CHECK IET168 .....	7
CR 11739 VIEW CHECKS FOR FUNCTIONS AND PROCESSES .....	7



## Introduction

---

Changes marked with a '\*\*' indicate fixes to high severity issues and it is highly recommended that the service pack is installed if you are likely to be affected by these issues.

Changes marked with a '\*' indicates fixes to medium severity issues or a change in behaviour and again it is recommended that the service pack is installed if this issue is likely to affect you.

## GuardIEn General

---

### ***CR11703 Logon Authentication Changes***

---

To enable userid and password validation via an external security system you can now define a system parameter with a code of CSELOGN (for the CSE) or MVSLOGN (for the HE) and a text value of EXIT. With this setting, the logon server will invoke the GDPWDEX user exit which can then be used to perform the validation. You may wish to set the STOREPWD system parameter to NO so that the password is not stored in the GuardIEn database. The New Password field can be hidden by setting a client environment variable GDN\_HIDE\_NEWPWD to YES. You may wish to hide the new password field when passwords are validated using an external security and are not stored in GuardIEn.

For the Web Services API, a new system parameter of WSLOGN can be defined to specify the logon authentication and a new optional system parameter WSUSER can be defined. If this is set, then the web service API user must be set to this value and this userid is prevented from logging on to GuardIEn via the normal clients.

### ***CR11718 View Descriptions***

---

Whilst the CA Gen toolset allows a description to be entered for entity and group views, these are not visible in the action diagram. With this enhancement, the description for entity and group views is now output in the GuardIEn PAD output. This change requires both the GuardIEn client and server components to be upgraded to 8.7.4. By default, the view descriptions are not included in the PAD output because of the requirement to update the clients. It can be enabled by creating a system parameter with a code of VIEWDESC and a value of YES. If view descriptions are not enabled but a view has a description, the view properties will include the 'Description available' tag to indicate that a description is available but not displayed.

### ***CR11719 PAD to include Descriptions of Views***

---

PADs viewed through GuardIEn now also show Descriptions of Views, if there are any, inline/embedded in the PAD display itself.

### ***CR11721 GD42 Default Values***

---

The GD42 Batch Update GENx properties background job now accepts additional parameters to specify a default value for the PROC GENx deliverable properties when they are not set, i.e. to use a default of NO so that GD42 can be used in conjunction with the GENXDEFn target property introduced in 8.7.3.

### ***CR11725 Text Filters on Host Ency***

---

When a text search filter is used on the HE sometimes the results are not correctly filtered, for example when filtering the CR list on description.

### ***CR11727 GuardIEn Server Select***

---

The GuardIEn Server Select Utility sets the 'Do not Cache' property off if the commcfg.ini file does not contain a CACHETIMEOUT token. The default is that the cache is not used if the token is not present so the checkbox should be ticked in this case.

### ***CR11731 Performance Improvements***

---

The performance of certain functions within Deliverable Usage has been improved.

### ***CR11742 System Update Detail API***

---

A new System Update Detail API is available to get details of a system update.

## **System Updating**

---

### ***CR11705 Provide override link control card library for DSNULI linked modules***

---

Provide an option when DSNULI is selected, via use of new target property DSNUCARD or GEN<n>DUCD (DSNU Control Card), to target this library during GuardIEn's link processing as an override to the existing LINKCARD and BATCARD libraries. Note that, if DSNULI is selected, CA Gen builds all load modules with DSNULI support: not just the dynamic ABs and CASCADE modules that make use of it.

### ***CR11706 Suppress Source Generate/Install failures due to missing DSNULI Binder Control Library***

---

An unnecessary fatal error was issued if, when using the new DSNULI functionality on z/OS in CA Gen 8.6, the DSNULI binder control library was not defined: failing with the error 'GDHE0094: ULI Binder Control Dataset not specified'. The library is not mandatory for this new processing so the check has now been removed.

### ***CR11709 Support EJB Web Services as TP Monitor for RI Generation***

---

Generation of RI Triggers for Java and TP Monitor "EJB Web Services" was previously not supported - it would produce an error in the GdRIGen.bat script due to the spaces in the TP Monitor value.

### ***CR11711 Invalid national language characters in generated web service wsdl***

---

When generating web service wizard style web services, national characters in the generated proxy .xsd files are not output correctly in the generated wsdl.

### ***CR11716 Custom Proxy generation marked as failed, but actually succeeds***

---

If a Custom Proxy has more than 8 characters in the name, Proxy Gen steps successfully generate the proxy, but the check to see if the generate work will fail as it truncates the ICM name being looked for to 8 characters.

### ***CR11717 Custom Java Proxy Install fails***

---

The installation step for Custom Java Proxies fails due to incorrect names being used in the generation of RMT file. This has been resolved.

### ***CR11723 CSE Staging Copy Step Variant Error***

---

If a CSE staging copy step is defined with the destination folder as the code gen libraries and a code generation variant > 1, the step incorrectly uses the 'source' folder code gen variant instead of the dest folder code gen variant.

### ***CR11734 XOS Migrate avoids GDCW6072 warning if SU step definition target same as SU target***

---

A GDCW6072 warning message is issued and version states not updated to post-migrate value if the target environment of the SU is the same as the target environment (parameter 2) of the SU step type definition. The environment code is now compared and, if the same, the warning message is not issued and the update occurs.

### ***CR11735 Additional link for batch load modules***

---

The use of LINKBT2 to perform an additional link of load modules has been extended from just batch dynamic ABs to also include Batch load modules.

### ***CR11744 Batch Restart SU***

---

When executing an existing dev/system update via the System Update API or GD54 background job, if you just want to restart existing failed steps or restart processing from a specific step, then a new parameter RESTART=Y can be added. If RESTART=Y then if the step is already defined, it is not deleted and recreated which allows existing completed steps to not be reset and processing to commence from the last completed or failed step. If there is a STEP= or TEMPLATE= parameter then these are the steps that will be executed, otherwise all steps currently scoped are executed.

### ***CR11750 Default steps per job for CSE->MVS compile***

---

The default number of compiles per job for the CSE to MVS compile step has been reduced from 20 to 10 to allow for more steps to be added to the compile procedure without having to set a target property override to the default value.

---

### ***CR11752 Plan/Package Bind Encoding***

---

To support installation of generated applications in a DB2 sub-system where the default encoding is not EBCDIC, the ENCODING(EBCDIC) parameter has been added to the GuardIEn generated plan and package control cards.

---

### ***CR11753 GD54 Step Type Validation***

---

When specifying the step types to be used for a new system update in the GD54 batch SU processing, the step types are now validated that they are allowable for the environment / project settings. Previously any step type could be specified.

---

### ***CR11756 Alternate code gen variant DBRM version***

---

The CSE->MVS Compile step now supports the use of an alternate DBRM Version to override the default MVSD2VER target property for a specific code gen variant with a target property value of MVnD2VER where n is the codegen variant.

---

### ***CR11758 Clarify BLOK<env> deliverable property used in GDCW6156 warning message***

---

The warning message now states the target environment code being checked when GDCW6156 is issued.

---

### ***CR11759 HE Remote Generation***

---

A new feature for GuardIEn on a Host Encyclopaedia, Remote Generation enables the generation and build to be performed for non-MVS targets by offloading the generation to the workstation under the control of a GuardIEn System Update. This is an alternative to using HE XGen which requires a CSE to be used for the generation. With Remote Generation a subset (or entire model) is checked out as read-only and downloaded to the workstation where the generate and build process is automatically started.

---

### ***CR11760 CSE->MVS compile incorrect return code parsing***

---

If the action diagram source code contains text like RC=999, the CSE->MVS parsing of the compiler output to determine the return code can incorrectly interpret the source code literal as the compiler return code if the compiler options specify that the source listing is included in the compiler output.

---

### ***CR11767 Linking for IMS and BYPASS screen type***

---

When linking for IMS, the SCRTYPE variable is being incorrectly set to MFS when the techsys value is BYPASS.

---

## **System Administration**

---

---

### ***CR 11710 Logon issue when activating user that has genIE access***

---

Currently when marking a user as active from inactive, if they have genIE, XOS or VerifIEr enabled, the license count may be exceeded causing the genIE, XOS or VerifIEr functions to be disabled for all users. This will be fixed by removing genIE, XOS and VerifIEr access when a user is marked as inactive or as a CR user.

---

## **Project Administration**

---

---

### ***CR11729 Target Property value Replace function***

---

When using the Find/Replace Text feature in Target Property definition, if the find or replace text is entered as mixed case but one of the properties is defined as upper case, the find and replace strings are converted to upper case and any remaining property find/replace functions use the upper case find/replace values. This is now fixed and the upper case conversion is only performed for upper case properties. Mixed case property replacement remains case sensitive.

## **XOS**

---

### ***CR 11720 XO processing MVS jobs incorrect job class***

---

If permitted values are defined for the PUJOBCLS project property, then when processing an XOS upload which executes an MVS batch process, the job class specified on the job incorrectly includes all of the permitted values and not the default job class.

### ***CR11745 XO Processing MVS Password***

---

When an XO process batch job is submitted from the CSE onto MVS, the MVS password is converted to upper case. Since MVS passwords can now be mixed case, the password should not be automatically converted to upper case. If you have entered mixed case passwords that you wish to be in upper case, then the password will need to be re-defined in the target property values.

## **Interfaces**

---

### ***CR 11741 CSE Endeavor Interface enhancement***

---

The CSE Endeavor interface has been enhanced to allow package definition to use inline DD instead of FTP to a PDS.

## **genIE Direct**

---

### ***CR11764 Preserve OPSLIB/ZLIB when changing EAB to AB and AB to EAB***

---

The genIE function to change an AB to an EAB (and vice versa) did not preserve OPSLIB or ZLIB packaging. Also affects genIE Plug-in equivalent function.

## **VerifIEr**

---

### ***CR 11737 IET016 and Attribute State Flags***

---

The IET016 check for perfect view matching also needs to check that the matched entity views have the same value for the 'generate attribute state flags' property.

### ***CR 11738 New Check IET168***

---

A new VerifIEr IET168 is available to check on the value of the entity view 'Generate Attribute State Flags' property and an optional genIE fix to set the property to the desired value.

### ***CR 11739 View Checks for Functions and Processes***

---

If a VerifIEr model scan check for view issues determines that a view belonging to a function or process is in error, the check report fails to resolve the view to the parent process or function.