Information Engineering Technology

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Release Notes

Release 8.8.0

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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.

IET DevOps Suite

To reflect the integrated nature of the IET products and the fact that multiple products are installed with GuardIEn (for example VerifIEr, pathvIEw, genIE and Object List+) plus the ability to integrate Studio Developer with other IET products, these products have been grouped together for installation purposes as the IET DevOps Suite where previously they were installed as part of GuardIEn.

DevOps Studio

The CA Gen Studio based plug-ins (Studio Developer and Studio GuardIEn) are now called DevOps Studio.

The DevOps Studio clients are now installed as part of the IET DevOps Suite clients (previously the GuardIEn clients).

The Eclipse based user interface provided in Studio offers a more productive and integrated user experience compared to the normal Windows GUI clients, especially when combined with Studio Developer.

If the workstation has CA Gen Studio installed, all users of GuardIEn, VerifIEr, pathvIEw and other DevOps Suite products can (and are encouraged to) use the new Studio interface.

Studio Developer Evaluation

Studio Developer is a modernised replacement for the CA Gen toolset that provides significant improvements in CA Gen developer productivity and ease of use. It is also much easier to learn for new CA Gen developers.

To encourage developers to try out Studio Developer, the IET DevOps Suite client installation now includes Studio Developer by default so that you can trial the product.

If you do not yet have a licence for Studio Developer, a trial period can be easily activated when you first start Studio Developer.

Continuous Delivery

In previous releases the approach has been to provide a stable interface between client and server software so that customers could upgrade the servers to obtain the latest enhancements and fixes but did not also have to upgrade the clients. For example, a GuardIEn 8.7.0 release of the client could be used with any service pack release of the servers. The only pre-requisites were that the client release had to be at the same major version (i.e. 8.7) and also at the same level or lower than the server release.

This approach, created to reduce the upgrade impact of service packs for customers, inevitably resulted in some constraints on the nature of changes that could be made within a release: some enhancements required a change to both clients and servers and hence could only be delivered in the next major release.

Up until now we typically planned our major releases to coincide with a new release of CA Gen. However, with Broadcom moving to a Continuous Delivery (CD) approach for CA Gen, we have decided to also make some changes to our delivery approach.

IET will now support two concurrent releases with the following characteristics:

The 'Maintenance' Release

- The maintenance release will only receive fixes to existing functionality.
- A service pack upgrade will not require a client upgrade when the server is upgraded.
- The current Maintenance release is 8.7.

The 'Continuous Delivery' Release

- The Continuous Delivery release will receive new features and enhancements (as well as fixes to existing functionality).
- A service pack upgrade may require a client upgrade (i.e. if upgrading from 8.8.0 to 8.8.1, it may be necessary to upgrade both clients and servers).
- New CA Gen features requiring a corresponding enhancement in our products might only be supported in the Continuous Delivery release.
- Third-party pre-requisite software will not be changed within a major release.

New major releases will still be delivered on a rolling schedule so, for example, when the next major release after 8.8 is available, 8.7 will be retired and 8.8 will then become the new 'Maintenance Release'.

General

CR11701 Password length change

To accommodate longer passwords and passphrases, the length of the GuardIEn userid password, encyclopaedia connection password and encyclopaedia FTP password has been changed to 100 characters and spaces are now supported in the password. Various exits have also been changed, so if you use a customised exit, be sure to use the new version with the longer password definition.

Release 8.8 uses a new format for the logon file for Windows servers to support longer passwords and special characters. The logon file is not compatible with earlier releases and therefore if you are upgrading, a new logon file should be created with the Release 8.8 software and this cannot be shared with older releases.

CR11816 64 bit Windows Servers

The Windows servers are now 64-bit. Consult the installation guide for instructions related to this change, for example ensuring that the 64-bit Transaction Enabler is used.

CR11826 Studio GuardIEn

The Studio, eclipse based user interface for GuardIEn is now provided with the GuardIEn client installation.

CR11847 PAD Viewer support for CALL REST

The GuardIEn PAD Viewer supports the display of CALL REST statements.

CR11855 GuardIEn API

Release 8.7 introduced a new web service API for the CSE installations that allowed programmatic access to GuardIEn Change Requests, Release Pack and System Update functions.

In this release, the range of APIs has been extended to provide an API for C, Java and .Net via standard CA Gen proxies.

The GuardIEn API is a separate download that contains the proxy interfaces and web service WSDL.

CR11856 Text Search Change

In previous releases, text searches that used a SQL LIKE (for example searching text or names in Object List+ or names in Deliverable List) automatically appended a trailing '%' in the search string. This reduced flexibility in the searches, for example by not allowing a search for a specific end string. A trailing % is no longer appended to the search string if it already contains a '%' or '&', so if you want to search for a string that is in the middle of a value, you will need to add a trailing %, i.e. search for '%XXX%' not '%XXX'.

CR11861 Plug-in check

The plug-in check when starting the GuardIEn client no longer checks the plug-in registry entries for older Advantage Gen and COOL Gen toolsets.

Studio

Pin Objects to Projects View

You can now pin Change Requests, Release Packs, Migrations, System Updates and Subsets to the Projects view in GuardIEn Studio. This makes it easier to access commonly used objects like the CRs you are working on. To pin an object, select it in the main list (i.e., the Change Request List) and use the Pin to Projects View menu item or right-click option. To un-pin the object, right-click in the Projects view and choose un-pin.

Improved Auto-Logon

If you open a Studio Developer editor from GuardIEn Object List+ or GuardIEn PAD Viewer and are not logged on to Studio Developer Direct Editing, if you have remembered your userid/password, you are now automatically logged on rather than seeing the error message followed by the Logon dialog.

Use Toolset with Upload Assistant

The GuardIEn Studio Upload Assistant can now be used to manage the upload of models opened in the CA Gen toolset as well as Studio, enabling the use of GuardIEn Studio even if you are still using the legacy CA Gen toolset.

Drag/Drop between Studio Developer and Studio GuardIEn

You can now drag and drop objects between GuardIEn and Studio Developer views/editors. Examples include:

- Drag selected objects from either the Model Explorer or a GuardIEn list of deliverables into a GuardIEn CR Content, Object List+, Migration Scope, Subset Scope or Development Update Content
- Drag objects into the Deliverable Explorer to add them into the recently used list
- Drag entity types from the Model Explorer into the Entity Type editor to add a relationship, or drag attributes to copy them
- Drag entity types or worksets into the View Maintenance view to add new views.

CALL REST Support (Beta)

Beta test support is available to code CALL REST statements in the Studio Developer Action Diagram editor. You will need to have installed the CA Gen toolset updates that support REST for action diagram generation support and also to convert the model to contain the new meta model objects required for CALL REST statements.

Change Management

CR11837 Re-work Wizard Copy Comments/Actions

New options in the CR rework wizard allow you to choose whether to copy actions and comments from the source CR when creating the rework CR.

System Updating

CR11814 CSE->MVS Longer Passwords

The MVS password specified for DU/SU step processing is currently limited to 8#. To support passphrases, the password length has been increased to 100 characters.

CR11820 Multiple SU/DU Deletions

Multiple DU/SUs can now be selected in the SU List for deletion.

Help Assistant

CR11853 Help Assistant not supporting the correct types of widget objects for HELPIDs

A change in GuardIEn 8.6 SP8 and GuardIEn 8.7 SP2 meant that the list of widget/control types that Help Assistant lists and sets the HELPIDs of was incorrect - in particular, LSTBXFLDs do have a HELPID, but listboxes/dropdowns do not.

pathvIEw

CR11817 Action Block Timings and Statement Execution Counts

pathvIEw now provides an optional new feature to enable collection of overall action block execution times and statement execution counts. The generated code needs to be processed by the pathvIEw source code post-processor with a "-v2" flag to generate the additional pathvIEw code to collect execution and statement data. Consult the pathvIEw manual for further details on how to use this new feature.