



Well, what did you expect? The **Association Football** World Cup has reached the knock out stages with the quaint sound of Vuvuzelas still blaring tinnitus into the ear drum of the sporting globe and, despite our very own South African roaring on the 'Bafana Bafana' to no avail as well as our English 'hopes' of a repeat of 1966 dashed once again, it still seemed an obvious way to celebrate yet another goal: that of the issue of another edition of SpotlIET. Ok, so let's blow the whistle and begin...

## KICK OFF WITH **GuardIEn 8.0**

Yes, we know it's not been that long since GuardIEn 7.8 but our latest **GuardIEn 8.0** release was launched in May 2010 to provide support for the commercial availability of **CA Gen r8** in the same month. Here are just some of the **CA Gen r8** specific enhancements covered by the latest GuardIEn release...

### *ZOSLib Support*

GuardIEn provides support for the z/OS library module (essentially an Opplib for the z/OS environment). All relevant SU/DU steps including impact analysis, code generation, install, staging, interfaces etc. now support z/OS Libs. genIE packaging has been enhanced to support the packaging of modules into z/OS Libs – even from existing Oplibs in non-MVS environments and vice-versa. DUs can now also be scoped via z/OS Lib load modules.

Note that the initial release of CA Gen r8 does not support z/OS Libs for batch but GuardIEn does, placing a batch version in the batch load library when necessary. See the [Gen development blog](#) for further details 

### *Dynamic Trigger Support*

Impact analysis, code generation and installation within GuardIEn have been enhanced to cater for CA Gen r8's new support for MVS dynamic RI triggers. genIE also now allows RITs to be packaged as an MVS dynamic.

### *New Statement Support*

Support is now provided within GuardIEn and genIE for the new IN and BETWEEN clauses. The Multi-row fetch option within a READ EACH expression can now be viewed and set.

CA Gen r8's provision of identity columns (i.e. auto numbered columns) is also fully supported within GuardIEn – with additional processing within genIE to prevent invalid copying or definition of CREATE/UPDATE or individual SET statements that might set a column defined as auto numbered.

### *...and lots more*

See the [GuardIEn 8.0 release notes](#) for full details of the CA Gen r8 support provided or watch the [video](#) summary.

GuardIEn 8.0 is compatible with all CA Gen releases back to r6.0 so in preparation for any upgrade to CA Gen r8 you can upgrade to GuardIEn 8.0 first.

## **CHANGE ANALYSIS**

A new facility, released in GuardIEn 8.0, aims to finally kick into touch the issue of CA Gen updating the timestamp of an object that has not been changed; which can then have an impact the correct documentation and deployment of 'real' changes.

**Goal** **Change Analysis** allows you to quickly and easily view the changes applied to CA Gen or external objects for a Change Request or Release Pack by comparing the object changed for the selected CR/RP versus a previous occurrence or minor (delta) version.

Available via the *Edit->Change Analysis* toolbar option for either an individual CR or RP (where the CR content is assessed) you can also choose *View->Change Analysis* within CR content itself...



**Line** The CR or RP content is displayed and you can then decide to compare *Objects*, where current and previous models or XOS targets are analysed. Alternatively, *Minor Versions*, where GuardIEn works out the latest minor version for THIS CR and identifies the correct previous minor version, are used to provide an accurate comparison of all the changes applied – particularly useful if many interim minor versions have been created for the CR being assessed.

**Technology** Pressing the *Calculate Change Summary* for one or more objects will then create you a summary of the Added, Changed and Deleted lines between the two occurrences being compared.

If you find that there were no 'real' changes identified between current and previous objects then you can use the *Remove from CR...* option to quickly remove the non-change from the CR.

Further housekeeping options here allow you to delete the versions created and even, using genIE technology, to reset the timestamp within the source model itself. We hope you'll try it out and find you no longer have to pay the penalty for an accidental pressing of the OK button in the CA Gen toolset!



### A customer writes...

Hallo Mister Guru sir

Hope you are well and enjoying the first soccer World Cup on the African continent – it is certainly an exciting event that has had my ears ringing from the outset. Our **Oranje** team are playing quite well I think. However, I would like to ask you about a frustration we have in GuardIEn when discovering that 2 versions exist for changes that need to be implemented together – it is often a lot of time to clean up the 'extra' version and then connect the affected CR(s) to the single version we want. Is there anything I can do apart from cry like Paul Gascoigne did in the 1990 soccer semi-final against Germany?

Your attention is most kindly

Eet Van Tooverdaline  
Apeldoorn

p.s. Sorry but last week, to speak words of a famous Norwegian, 'your boys took one helluva beating!'

Dearest Eet

Thank you for your question and you speak wisely of the performance of the England 'team' in the Association Football World Cup in South Africa. Indeed, in a moment of revelation, after shouting at the televisual unit for 2 uninterrupted hours, I have now decided to turn my allegiances to a sport my beloved nation still excels in: that of correspondence Scrabble.

But I digress. In answer to your deeply profound question the essence of which I have distilled to 'can 2 versions easily become 1?', I am pleased to report that the answer is a definite YES using a new facility in **GuardIEn 8.0** called *Merge Versions*. Available from Deliverable Definition it is now possible to quickly and simply merge (i.e. combine) one version of a CA Gen or external object with another, including correctly associating any CR content and Minor Versions, to the chosen single version.

We thought we'd throw in something to make your lives easier - so why not try *Edit->Merge Version* when this situation happens the next time.

Yours

Guru (attired in my best Orange robe)

# POETRY CORNER

an irregular section bringing you illuminated prose on today's hot c.m. topics

A football pundit comments on the latest recruit to the CA Gen stable

### CA Gen r8 signs up

They think it's all over  
Yes, at last it's come through  
The goal of CA Gen r8  
Is finally true!

There are so many enhancements  
A new schema too  
And a sleek modern interface  
In Gen Studio™

Yes, there's Multi-Row Fetch  
And IN BETWEEN clauses  
Identity columns  
Are no longer lost causes

And with dynamic triggers and z/OS LIBs  
There's only one catch  
On the MVS platform  
You sadly can't use them in batch\*

But with improved Web support  
And lots more that's swell  
Have CA scored a winner?  
Only time will tell

But one things for certain  
Of this I can relate  
It's going to be fun saying  
"Let's generate in Gen r8!"

By E.J. Bean (in between 9.1.A5 and 9.2.A6)

\* Well, actually, you already can using GuardIEn 8.0 ;-)



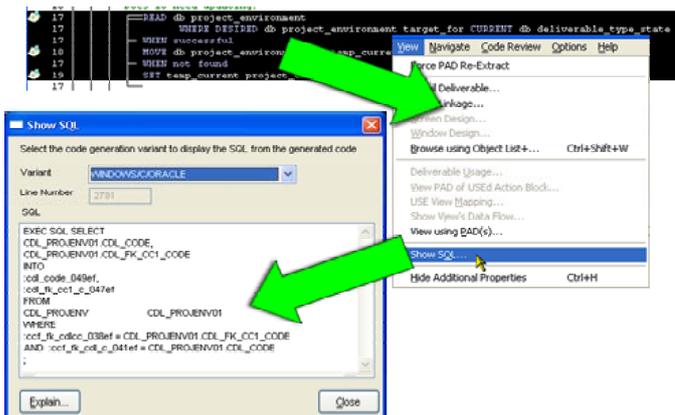
## NEW TUTORIAL SYSTEM

A new tutorial facility is now available in GuardIEn enabling you to easily prepare a new GuardIEn training course and then take the course with embedded course notes and interactive exercises. From the main GuardIEn client, choose *System->Tutorials*. You can then prepare and take the 2 courses currently available: GuardIEn Introduction or GuardIEn Administration although, over time, we plan to introduce more modules specific to GuardIEn functionality. Enjoy!



From **GuardIEn 8.0**, you can now select a READ/ READ EACH / SUMMARISE statement in a PAD listing and view the generated SQL.

This does require that the source code is generated and up to date. For certain databases (DB2, Oracle, SQL Server) you can also view the EXPLAIN output for the statement.



Ah well. We've reached the end of our latest edition of SpotIET – hope you enjoyed it and maybe found something useful. We'll be back soon.

To ensure you don't miss future copies of SPOTLIET why not send us a blank email at [spotliet-subscribe@iet.co.uk](mailto:spotliet-subscribe@iet.co.uk)

The IET Team

