IET
Product Update
October 2009

Agenda

▲ Product Overview
▲ VerifIEr
▲ Release 7.8
▲ xTrace 2.2 / 2.3
▲ Q&A

GuardIEn Introductory Workshop

IET Products

GuardIEn
Life-Cycle Management

Object List+
Encyclopaedia Browsing

XOS
Manage External Objects

IETeGUI
Gen GUI Enhancer

Assistants
Developer Productivity Tools

xTrace
Advanced tracing for z/OS
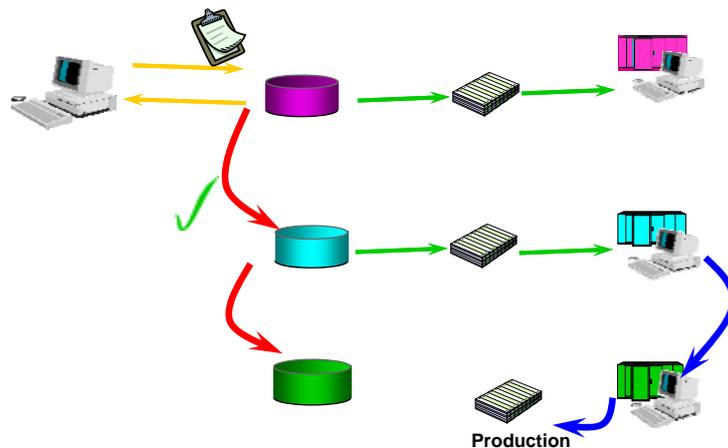
genIE
Direct PAD Editing & Plug-ins

VerifIEr
Automated QA

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Complete Automation for CA Gen

Production

4

Automated code checking and QA for CA Gen

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Key Features

- ▲ Standard Checks
- ▲ Configurable
- ▲ Multiple levels of checking
- ▲ Checks integrated into the Development Process
- ▲ Accesses both the Encyclopaedia and Toolset
- ▲ On-line and Batch Check Execution

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Standard Checks

- ▲ Developed and Maintained by IET
  - ▲ ~ 110 checks currently available
- ▲ Examples
  - ▲ Naming Standards
    - ▲ Action Blocks, Views, Packaging, etc.
  - ▲ Coding Standards
    - ▲ Return code checking, group view types, etc.
  - ▲ Performance
    - ▲ SQL Efficiency, View Matching, Use of Functions, etc.
  - ▲ User Interface Standards
    - ▲ Help Ids, Tab Sequencing, Colours, Sizes, etc.
  - ▲ CBD Architecture Standards
    - ▲ Tiering, Standards, etc.
  - ▲ Audit Checks
    - ▲ SOX compliance checks

Configurable

- ▲ Many Standard Checks are parameterised
  - ▲ Parameter values stored in the database and configurable by project, model, release, etc.
- ▲ IET customisation service
  - ▲ IET can develop site specific checks to your requirements
- ▲ User customisation facility
  - ▲ Custom development kit enables you to develop checks using Gen as the development tool

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Multiple levels of checking

- ▲ Entire Model(s)
- ▲ Selected Objects
    - ▲ Ad-hoc selection
    - ▲ Objects changed during an upload
    - ▲ Change Request Content
    - ▲ Release Pack Content
    - ▲ System Update Scope
- ▲ Object Classification enables checks to be limited to certain types of objects, for example:
    - ▲ Interface Action Blocks
    - ▲ External Action Blocks

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Integrated into the Development Process

- ▲ Enables checks to be easily performed at key points in the development life-cycle
    - ▲ On Upload
    - ▲ Pre Migrate
    - ▲ End of Phase
    - ▲ Integral within the System Updating process
- ▲ Verification can be made mandatory

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Accesses both the Encyclopaedia and Toolset

- ▲ Direct Access to the host and client/server encyclopaedia
  - ▲ Check the contents of the models
  - ▲ On-line or Batch execution

- ▲ Toolset Plug-in
  - ▲ Check the contents of the local .dat files
  - ▲ Allows verification prior to upload

- ▲ On-line and Batch Check Execution

Benefits

- ▲ Automated checking reduces time & effort spent on verification
- ▲ Checks can be performed multiple times, thus catching errors early
- ▲ Toolset plug-in allows checking before upload
- ▲ Checks can be performed by non-experts
- ▲ Enables checks that would be impractical to perform manually
- ▲ Integration with GuardIEn:
  - ▲ Verification on upload provides immediate notification of errors.
  - ▲ Checks performed as an integral part of the development life-cycle
  - ▲ Extends the scope of checks to include configuration management and audit requirements

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Release 7.8

▲ Major new features across the board…
- ▲ GuardIEn
- ▲ genIE
- ▲ Object List+
- ▲ VerifIEr
- ▲ ~ 200 enhancements

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GuardIEn 7.8

▲ Code Review Notes
▲ Change Capture failures remembered
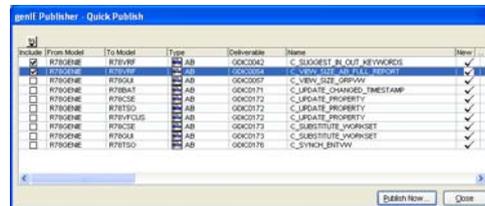▲ Release & Environment Preparation Wizard
▲ New Report Browser

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genIE 7.8

▲ Removed use of CSE Update API
▲ Powerful Functions
 ▲ Property Updates
 ▲ Work Set Substitution
 ▲ View Synchronisation & Matching
 ▲ Operation Version Creator
 ▲ USE Substitution
▲ Plug-in Expression Builder
▲ Quick Publish

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Object List+ 7.8

▲ XOS Support
▲ 'Favourite' Object Types
▲ Search for AB & PROC at the same time
▲ BETWEEN search condition
▲ New functions:
 ▲ Full upward calling chain function
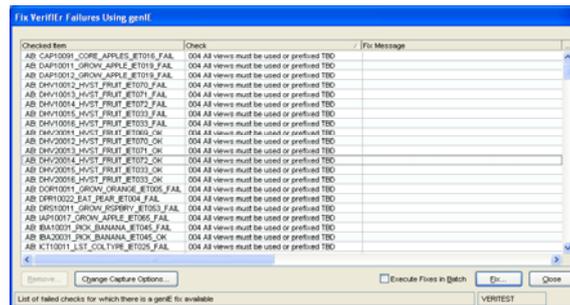 ▲ Data mapping
▲ Toolset support via genIE Plug-in

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VerifIEr 7.8

▲ Fix with genIE

▲ Generate Code Review Notes

xTrace

▲ Release 2.2 (June 2008)
  ▲ Breakpoint enhancements
  ▲ IMS support
  ▲ Rollback option
  ▲ Source Code Post Processor
    ▲ Improves runtime performance when not actively tracing
▲ Release 2.3 (Q3 2009)
  ▲ Value breakpoint on attribute changing value
  ▲ xTservice on z/OS

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