

The Need for Change Management

Changes in software libraries can adversely affect company business. With the increasing awareness and adherence to corporate “transfer-to-production” procedures, as well as to industry-wide regulations such as SOX, HIPAA, PCI, auditing and traceability – especially within production libraries – have become issues of major importance.

The procedures needed to trace program objects and file changes require a Change Management System (CMS) which is very often expensive, complex to implement, and labor-intensive.

Who Should Consider Change Tracker

Due to costs, resources and complexity, a CMS is often not feasible for small and mid-sized enterprises.

Yet, such enterprises require a tracking solution either for in-house control or due to auditing requirements, and will find Change Tracker an easy-to-implement, easy-to-use and affordable solution.

At companies where a full scale CMS is in place, Change Tracker can be set to record only activities not made through the CMS, providing essential auditing proof for the completeness of the CMS information.

The Change Tracker™ Solution

Change Tracker automatically monitors and logs object changes made to Native and IFS production libraries at both the object and source levels. Since Change Tracker relies solely on the actual updates to a library, no manual intervention is required – preventing human error.

Based on the QAUDJRN system journal, Change Tracker provides a robust, comprehensive and unsurpassed solution.

Change Tracker Features

Working in real-time, Change Tracker automatically records every change, and collects every piece of relevant information relating to the change including:

- Transaction details – who made the change, when, the nature of the change (replace, create, restore etc.), by which program
- Object attributes – type, attribute; program modules and run attributes; file and field descriptions
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- Source code – last change date, full backup
- Extended file structure - additions or removals of members and triggers

While tracking, Change Tracker automatically notes, for each change, the Environment and Project the change is part of, as well as the identity of the executor – whether it was performed as part of the Change Management System software or not.

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-                               Object Trace Information      Event ID      9096
Object . . . . . : CTLOGIR      CT-Write Log of Changes
Library . . . . . : SMZT
Type . . . . . : *PGM          RPGLE

Operation Details
Operation . . . . : Replaced
At . . . . . : 3/04/13      10:38:54
By User (IP) Job: CT      (*LCL-CTLOGIR)      CTLOGIR/CT/761629
Executor . . . . : YURI      QSYS/QCMD

Object Information
Created . . . . . : 3/04/13      10:38:53
Owner . . . . . : CT
Authority used : *USER
Modules . . . . . : 1

Source Information
Source file . . . : QRPGLSRC
Library . . . . . : CT
Member . . . . . : CTLOGIR
Last source chg : 3/04/13      10:35:36

Classification
Environment . . . : ISECPR0D
Project . . . . . : REL-7.2

F3=Exit      F5=History      F6=Modules      F7=Source      F12=Cancel
    
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Full Scale Automatic Reporting

A predefined set of reports with an included report generator and scheduler can automate the reporting so that the auditor will receive a periodic e-mail with an attached report that includes a full description of the report contents and all the changes that took place in the defined time period.

Programming Assistance

Programming departments too will appreciate the ability to track change activities. Features such as “work with the source copy of the first change for an object in a time period” are valuable to programmers.

Change Tracker Benefits

- Ensures the auditability and validity of changes within production libraries; these cannot be circumvented as may occur when using a CMS.
- Instantaneous implementation enables organizations to install, configure, implement & quickly benefit.
- Full tracking of all change details, including object, source and executor, ensures total accountability and transparency.
- Comprehensive report generation adds to auditor's productivity and throughput.
- Change Tracker is competitively priced.

Change Tracker Features

- Auditors can easily access all data they require, such as who made changes, why, when and from which IP address; scheduled HTML queries and explanations are e-mailed, with explanations. Collects information in real-time, directly from the QAUDJRN, for all changes made to pre-defined libraries (optional periodic collection).
- Log entries can automatically be classified in accordance with the company's pre-defined environments and projects; users can override these settings and can also add comments explaining the changes.
- If source files are available, Change Tracker saves and displays source file changes. Source file changes that are restored retain important information such as the date of last change.
- iSecurity-wide report generator & scheduler includes a set of queries tailored to specific auditing needs. Reports can be printed or e-mailed as HTML, PDF or Excel attachments.
- Executor is automatically identified and CMS originated changes can be eliminated or separately classified.
- Supports tracking Native, IFS and PTF changes. PTF

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Work with Native Objects - Last Change 3/04/13 - 3/04/13
Object* *ALL
Library* *ALL

Type options, press Enter.
1=Select 2=Set Env-Prj 5=History 6=Modules 7=Source P=PDM

Opt Library Object Attribute Add/Rmv
Type Date Time
- SMZT AUBLDTMP CLLE 3/04/13 9:45 A Created
- SMZT AUX5A PF 3/04/13 10:52 R Deleted
- SMZT CTA RPG 3/04/13 11:23 R Deleted
- SMZT CTINCMN2 DSPF 3/04/13 10:40 A Created
- SMZT CTINCMN2 MENU 3/04/13 10:40 A Created
- SMZT CTINCMN2 *MSGF 3/04/13 10:40 A Created
- SMZT CTLOGDFM DSPF 3/04/13 10:45 Replaced
- SMZT CTLOGIH LF 3/04/13 11:20 R Renamed to CTLOGIH1
- SMZT CTLOGIH1 LF 3/04/13 11:20 A Renamed from CTLOGIH
- SMZT CTLOGIR RPGLE 3/04/13 10:38 Replaced
- SMZ4 RLSNDM CLLE 3/04/13 10:56 R Renamed to RLSNDM1
- SMZ4 RLSNDM1 CLLE 3/04/13 10:56 A Renamed from RLSNDM

F3=Exit F5=Refresh F10=First Chg. F11=View 2 F12=Cancel F13=Repeat
F14=Clear Repeat F15=Subset/Sort F17=Top F18=Bottom
More...
    
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