

Endevor's Site Symbolic Table

The Site Symbolic Table (ESYMBOL) functions like an enhanced processor INCLUDE by eliminating redundant processor symbolics such as language libraries, DB2 DSN libraries, and other technical libraries. Converting INCLUDE symbolics to the ESYMBOL table offers several advantages.

Advantage 1: The implementation / back-out process is significantly faster and easier. INCLUDES require research and regeneration of all affected processors prior to implementation and again before back-out. ESYMBOL changes become effective immediately once the table is assembled, linked, and LLA refreshed. When you store the ESYMBOL source in Endevor (highly recommended) these tasks can be integrated into the migration process with a predefined back-out.

Advantage 2: ESYMBOL entries act just like Endevor symbolics. Unlike INCLUDES they are available for use wherever you use Endevor symbolics – including configuration panels.

Advantage 3: Unlike symbolics coded in an INCLUDE, site symbolics are not listed on the processor group panel. This can be a huge benefit if you have a large number of “smart” (i.e. ZCONCAT) symbolics even if the symbolics are referenced in only one processor.

For more information see the Endevor r12 Administration Guide.

Lock Down Hidden Access to Endevor Files

Once you have implemented the Endevor Alternate ID, you have eliminated any need for users to have UPDATE access to Endevor files. Higher access levels should be restricted to Endevor administrators, designated technical support staff, and the Alternate ID itself.

However, we often discover there are users other than those specified in the access permissions with the ability to update these files.

In a RACF-protected system, these users are the ones whose USERIDs have been assigned RACF OPERATIONS authority. OPERATIONS potentially gives the user full ALTER-level access to all datasets, including your Endevor libraries. Such users could unintentionally clobber your Endevor footprints.

Fortunately there is a way to limit their access. If you "permit" an OPERATIONS user access to the RACF profile guarding an Endevor library with a reduced level of access (e.g., READ), the user's access authority will be capped at that level. They can only obtain a higher level of access with an explicit permission.

To implement this control capability, contact your RACF administrators to request the creation of a RACF group (like #NOOPER) and have all the OPERATIONS users connected to it (your security staff may already have such a group). Then request this group be permitted access of NONE or READ as appropriate to all the profiles protecting Endevor datasets. Also ask the RACF administrators to maintain the #NOOPER group by continually adding any new OPERATIONS users to it.

To learn more about guarding ENDEVOR with RACF visit our website for a copy of our presentation: [ENDEVOR & RACF](#).

Caution: R12 Element Version Rolling

The enhanced Element Version Rolling feature in r12 allows up to 9996 delta levels per element - a significant increase over prior releases. Although seemingly innocuous, beware of latent impact. For starters the feature is only available if used in conjunction with Aged Delta Retention or without auto-consolidation. Be prepared for

changes in the layout of the display panels. Your custom coding may also require modifications.

In prior releases, administrators often used the auto-consolidation feature to prevent deltas from exceeding the level limitation. Setting the AUTO CONSOL, LVLS TO CONSOL, and CONSOL AT LVL fields on the TYPE definition panel to values of 96 or less ensured older levels would collapse while more recent levels would be retained. While present in r12, these options do not support version rolling. To take advantage of the increase in delta levels you will need to turn off auto-consolidation or set Element Delta Retention by Age at the system level.

The new format no longer highlights the distinction of within-versus-between software releases essentially eliminating the *concept* of version. Though not yet evident in MCF displays, you will notice differences when searching or reviewing element change history. For example: an addition of code at version 1 level 3 (1.3) formerly identified as +03 will, under r12, be identified as +0103. Notably a new element's base is denoted by version 0100 instead of what you might expect: 0000.

Processing using the NEW VER SCL option may also be impacted. Prior to r12, a *new version* number could be assigned if (a) the element did not exist at the target stage and (b) the new version was greater than any existing version of the element found further up the map. In r12 if the element merely exists up the map, the action will fail with a C1Y0043E error code. You may need to revise your procedures prior to implementing r12 if you use this option.

RSH News

Imagine how much easier your job would be and how productive your users would be if they were properly trained. Send them to our CA-Endeavor Software Change Manager **End User Training** September 23–24 in the Boston area. See our website for details and registration form.

Do you need to **upgrade or reconfigure** Endeavor but do not have the resources you need to get the job done? **Call RSH.**

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