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PROMOTING OBJECTS INTO INDEPENDENT ASPS

With release V5R2M0, IBM created a new way to partition systems using a method called Independent ASPs, or “iASPs.” This technology allows disk units to be taken offline or placed online independently of the system.

iASPs are different from regular ASPs, which are numbered 1 thru 16 and cannot contain libraries with names that exist in other areas of the system. iASPs are numbered 17 thru 32, and they can contain libraries with names that exist in other system areas. The command **SETASPGRP (Set ASP Group)** tells the system WHICH library to actually look at.

IMPORTANT

Read this supplement thoroughly. It contains important information about how TurnOver handles promotions that move objects into iASPs.

REQUIREMENTS

As of Release 5.3, TurnOver has allowed you to promote objects into iASPs. While TurnOver does not yet fully support iASPs, you can manage objects in iASPs – as long as you understand and work within these TurnOver limitations:

- It is YOUR responsibility to ensure the proper ASP group has been set prior to working in this environment. This is either by running the **SETASPGRP** command or by using the **INLASPGRP** parameter on the job description.
- You cannot promote objects from one ASP group to another. The ASP group should be set at the beginning of a job, ideally on the job description, and not changed during the job.
- You cannot explode from one ASP group to another. Therefore you cannot explode to the same library in different ASP groups.
- All libraries specified on a form run (Library list, target libraries, from libraries, Job description library, etc) must be in the same ASP group or in user ASPs, accessible to the form run.
- The ASP group should be set prior to creating a recovery form or error checking any form.

Promoting Objects into iASPs

- If receiving forms, the receive job may need to have the correct initial ASP group in order to receive correctly.
- Using **SETASPGRP** in a pre-run command, post-run command, or exit point could adversely affect the library list of the running form and should be avoided. The ASP group should ideally be set using the job description defined in the application for the form. The next best solution would be to use the form pre-run Exit.
- TurnOver cross-reference does not recognize if related objects exist in different ASP groups.
- Object History, Checkout History, and object auditing will not tell you which ASP group an object belongs to. It treats it just as a specific library. Objects that exist in the same library in different ASP groups will all look the same to TurnOver's history and especially its auditing. Changed outside of TurnOver messages will likely be the norm in this environment.
- TurnOver libraries should not be installed to an iASP.
- You cannot archive offline forms that were created for different ASP groups.
- If exploding objects to 485 or more libraries, the base object cannot be in ASPs 17-32.

SETTING IASP IN JOB DESCRIPTIONS

As of TurnOver Release 5.3 dated, October 2004, the following jobs have used the INLASPGRP(*JOBID) parameter when they are submitted:

- Form Run (Tform#G)
- Form Finalization (Tform#F)
- Form Receive (TOAUTORCV)

The job description to be used will be the job description specified in the form header. The exception to this is the form receive process, which submits jobs using the TURNOVER job description.

IMPORTANT!

Other processes in TurnOver that submit jobs will not explicitly specify the INLASPGRP parameter, so the default value of INLASPGRP(*CURRENT) will be used. This means that you must take care to set the ASP group yourself, either by specifying INLASPGRP in your own job description, or by using the **SETASPGRP** command from a command line.

TURNOVER DEFAULTS FOR iASP PROMOTIONS

When promoting objects into iASPs, TurnOver uses these default library names and settings:

- Archive libraries for ASPs 17 - 32 are named Tform#DH through Tform#DW.
- Archive libraries for iASPs are named Rform#xx, where 'R' is resolved from the 1-character data area TARCHPRE, and 'xx' is a base 36 sequential number.
- The value shipped in TARCHPRE is 'R', but the user can change this if necessary to another value, as long as the other value is not A, Q, T, W, X, or Z.

If you have any questions about this information, contact SoftLanding Systems Technical Support using one of the methods shown at the top of this document.