

Embedding Assets into REXX Code

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What?

- Panels and skeletons (among other things) are permanently welded to the source code
- ...so that all* the elements are in one place

(* some limitations apply)

Why?

- HUGE savings in I/O
- Ease of maintenance
- Simpler distribute/install

How?

The embedded elements are 'hidden' in a REXX comment at the back of the source:

```
/*      Embedded elements follow the source as a comment:
)))  PLIB  DISPL01      identifies this as a panel named 'DISPL01'
)ATTR
...
)))  SLIB  LOADJOB     identifies this as a skeleton named 'LOADJOB'
//&uid.A JOB (&zacctnum.), 'DEFAULT JOBCARDS',
...
*/
```


Extracting the Element – pt 2

If this is a new DDName...

```
if Left(text,3) = ")))" then do /* package the queue */
    parse var text ")))" ddn mbr . /* PLIB PANL001 maybe */
    if Pos(ddn,ddnlist) = 0 then do /* doesn't exist */
        ddnlist = ddnlist ddn /* keep track */
        $ddn = ddn || Random(999)
        $ddn.ddn = $ddn /* PLIB247, maybe */
        address TSO "ALLOC FI("$ddn")" fb80po.0
        "LINIT DATAID(DAID) DDNAME("$ddn")"
        daid.ddn = daid
    end
    . . .
end
```

Extracting the Element – pt 3

Create a new member

```
daid = daid.ddn

"LMOOPEN DATAID("daid") OPTION(OUTPUT) "

do queued()

    parse pull line
    "LMPUT DATAID("daid") MODE(INVAR) DATALOC(LINE) DATALEN(80) "

end

"LMMADD DATAID("daid") MEMBER("mbr") "

"LMCLOSE DATAID("daid") "
```

Make the Libraries Active

```
dd = ""

do Words(ddnlist)                                /* each LIBDEF DD          */

    parse value ddnlist dd with dd ddnlist
    $ddn = $ddn.dd                                /* PLIB322 <- PLIB        */
    "LIBDEF ISP"dd "LIBRARY ID("$ddn") STACK"

end

ddnlist = ddnlist dd
```


