

How to pass an adata file generated by ...



ilam 1 posts since

Apr 22, 2009 If a C METAL application is compiled with the xlc utility, and then call the **as** utility to assemble the assembler file. How do I pass the associated data file produced by the **as** utility to the DSECT utility?

The SYSADATA file that is required by the DSECT utility can be either a PDS member, a PDSE member, or a sequential file (hereinafter called the MVS file), but cannot be a z/OS UNIX System Services file. Therefore, when you invoke the **as** utility with `-gadata` option, you need to specify an MVS file name.

To pass the associated data file produced by the **as** utility to the DSECT utility, take the following steps:

1. Compile the C metal program with `-S` and `-qmetal` options, the compiler then generates a.s file.

```
xlc -S -qmetal a.c
```

2. Assemble a.s by using the **as** utility with `-gadata` option. You need to specify an MVS file name for the **as** utility to generate associated data file 'HLQ.ADATA'.

```
as -gadata="//HLQ.ADATA" a.s
```

3. Invoke the DSECT utility using the following sample JCL:

```
//DSECT EXEC PGM=CCNEDSCT //SYSADATA DD DSN=HLQ.ADATA,DISP=SHARE //EDCDSECT DD SYSOUT=*  
Tags: c, compiler, zos, metal, as, dsect
```



DaveyC 22 posts since

Jan 20, 2009 1. **Re: How to pass an adata file generated by the as utility to the DSECT utility?** May 8, 2009 4:27 AM

Thanks for the info.

What would be nice is if the DSECT conversion utility could execute in USS to save having to switch back to ISPF to run the JCL.


The DSECT conversion utility is quite good, but it has it's flaws. It chokes on multi-line comments and I've yet to use it on a non-trivial DSECT without having to hand craft the results. IMO, If Metal C is really going to make a big impact then IBM really need to start providing C structure equivalents of SYS1.MACLIB, SYS1.MODGEN mapping macros. The DSECT conversion utility really doesn't cut it. Maybe a job for an intern.

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[kelly.arrey](#) 6 posts since

Nov 19, 2008 2. **Re: How to pass an adata file generated by the as utility to the DSECT utility?** Jun 4, 2009
2:56 PM

 in response to: [DaveyC](#)

Hi Davey,

We're planning to address these issues with the DSECT utility in a future release.

Thanks again,

Kel