

## Tech Doc for Support 'DISPLAY MEPL' ISPF command (PI18106)

### Description

DB2 Change Accumulation Tool now supports the 'DISPLAY MEPL' ISPF command. The purpose of this enhancement is to provide diagnostic information to the IBM programming team when software errors arise.

When the DISPLAY MEPL command is entered on the GGC\$MAIN panel, a job is generated and displayed on the screen. This job can be submitted and its output attached with any correspondence with IBM or when asked to do so by IBM service personnel. The output of the job contains compilation, level, and APAR information useful to the programming staff when diagnosing software problems.

### System Requirements for using this feature (if any)

No special requirements.

### User Interface

The new command 'DISPLAY MEPL' will be valid from the GGC\$MAIN main screen only. When entered, a batch job will be generated and displayed on the screen to be submitted. The output can then be included in any transmission to IBM.

### User task guidance information

The following bullet point will be added to the other bullet points in the "Gathering diagnostic information" section:

"Provide the following information for all DB2 Change Accumulation Tool problems:

- The number of the last program temporary fix (PTF) and any relevant authorized program analysis reports (APARs) that were applied. APARs can be determined by using the DISPLAY MEPL command as follows:
  1. On the DB2 Change Accumulation Tool menu, enter DISPLAY MEPL in the Option line and press Enter.
  2. Provide a data set member name and job cards and press Enter. The job is submitted to the internal reader. When the job completes the job's SYSOUT DD will contain a list of each DB2 Change Accumulation Tool module and its current maintenance level."

## Sample JCL

The following provides an example of JCL that is generated using the DISPLAY MEPL command. This JCL includes a REPLIB DD, as well as DDs for REPORT01, REPORT02, REPORT03 and REPORT04. **Note:** When sending information to IBM Software Support, you should include all four reports (REPORT01-04).

```
//JOB CARD JOB USERID,CLASS=A,NOTIFY=&SYSUID
//*
//*
//*
/** * * * * *
/**
/** Job Generated by IBM DB2 Change Accum V3R1
/**
/** DB2 SSID: ssid
/** User: USERID
/** Date: Thursday June XX, XXXX
/** Time: 12:00:00.12
/**
/** * * * * *
/**
/** * * * * *
/**
/** Step: GGC#MEPL
/** Step: GGC#MEPL
/**
/** Desc: This jcl displays load liblry content
/**
/** Return Codes:
/**
/** (00) - Job encountered no warnings or errors.
/**
/** * * * * *
//GGC#MEPL EXEC PGM=GGC#MEPL,REGION=8M
/** STEP LIBS
//STEPLIB DD DSN=#hlq#.SGGCLOAD,DISP=SHR
// DD DSN=#hlq#.SFECLOAD,DISP=SHR
/** REPORT LIBS
//REPLIB DD DSN=#hlq#.SGGCLOAD,DISP=SHR
// DD DSN=#hlq#.SFECLOAD,DISP=SHR
/** GENERAL
//SYSUDUMP DD SYSOUT=*
//SYSOUT DD SYSOUT=*
/** REPORT
//REPORT01 DD SYSOUT=*
//REPORT02 DD SYSOUT=*
//REPORT03 DD SYSOUT=*
//REPORT04 DD SYSOUT=*
//
***** Bottom of Data *****
```

**Note:** Replace #hlq# in the code above with the high level qualifier for GGC and FEC at your location.

## Messages

The following new or changed messages are associated with this APAR:

**GGC9001E Error func OPEN input DD REPLIB rc = <RETURN\_CODE>.**

**Explanation:** An error occurred when opening the report library DD concatenation.

**User Response:** Check the JCL and resubmit job.

**GGC9002E Error func CLOSE input DD REPLIB rc = <RETURN\_CODE>.**

**Explanation:** An error occurred when closing the report library DD concatenation.

**User Response:** Check the JCL and resubmit job.

**GGC9003E Error func enumerate members input DD REPLIB rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when enumerating load library members. Error from DESERV service.

**User Response:** The load library might be unusable. You must recover the load library.

**GGC9004E Error func STARTD rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when starting a dialog. Error from IEWBIND service.

**User Response:** Contact IBM Software Support.

**GGC9005E Error func ENDD rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when ending a dialog. Error from IEWBIND service.

**User Response:** Contact IBM Software Support.

**GGC9006E Error func CREATEW rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when creating a work module. Error from IEWBIND service.

**User Response:** Contact IBM Software Support.

**GGC9007E Error func DELETEW rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when deleting a work module. Error from IEWBIND service.

**User Response:** Contact IBM Software Support.

**GGC9008E Error func RESETW rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when resetting a work module. Error from IEWBIND service.

**User Response:** Contact IBM Software Support.

**GGC9009E Error func INCLUDE entry <ENTRY\_NAME> rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when including an entry. Error from IEWBIND service.

**User Response:** The load library member might be unusable. Recovery of the load library is required.

**GGC9010E Error func GETBUF rc = <RETURN\_CODE>.**

**Explanation:** An error occurred when obtaining storage. Error from IEWBIND service.

**User Response:** Contact IBM Software Support.

**GGC9011E Error func FREEBUF rc = <RETURN\_CODE>.**

**Explanation:** An error occurred when freeing storage. Error from IEWBIND service.

**User Response:** Contact IBM Software Support.

**GGC9012E Error func GETN get sections entry <ENTRY\_NAME> rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when enumerating sections in entry. Error from IEWBIND service.

**User Response:** The load library member might be unusable. Recovery of the load library is required.

**GGC9013W Warning func GETN no sections entry <ENTRY\_NAME> rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when enumerating sections in entry. Error from IEWBIND service. No sections was found.

**User Response:** The load library member might be unusable. Recovery of the load library is required.

**GGC9014E Error func GETC get compile units entry <ENTRY\_NAME> rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when enumerating compile units in entry. Error from IEWBIND service.

**User Response:** The load library member might be unusable. Recovery of the load library is required.

**GGC9015W Warning func GETC no compile units entry <ENTRY\_NAME> rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when enumerating compile units in entry. Error from IEWBIND service. No compile units was found.

**User Response:** The load library member might be unusable. Recovery of the load library is required.

**GGC9016E Error invalid buffer size <SIZE>, expected <SIZE>.**

**Explanation:** The buffer size is too small. Too many sections were found.

**User Response:** The load library member might be unusable. Recovery of the load library is required.

**GGC9017E Error func GETD get data <ENTRY\_SECTION\_CALSS> rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred while reading the entry section class. Error from IEWBIND service.

**User Response:** The load library member might be unusable. Recovery of the load library is required.

**GGC9018W Warning func GETD no data <ENTRY\_SECTION\_CALSS> rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when reading the entry section class. Error from IEWBIND service. Class have no data.

**User Response:** The load library member might be unusable. Recovery of the load library is required.

**GGC9019E Error func CSNBOWH calc MD5 hash rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when calculating the MD5 hash. Error from CSNBOWH service.

**User Response:** Contact IBM Software Support.

**GGC9020E Error func GETD get RLD data <ENTRY\_SECTION\_CALSS> rc = <RETURN\_CODE>, rsn = <REASON\_CODE>.**

**Explanation:** An error occurred when reading the entry section class. Error from IEWBIND service.

**User Response:** The load library member might be unusable. Recovery of the load library is required.

**GGC9021W Warning func OPEN output DD REPORT01 rc = <RETURN\_CODE>.**

**Explanation:** An error occurred when opening the REPORT01 DD.

**User Response:** Correct your JCL and resubmit the job.

**GGC9022W Warning Module Section Usage report skipped.**

**Explanation:** No REPORT01 DD was specified. No report was produced.

**User Response:** Correct your JCL and resubmit the job.

**GGC9023I Module Section Usage report started.**

**Explanation:** Report generation started.

**User Response:** None required.

**GGC9024I Module Section Usage report completed.**

**Explanation:** Report generation completed.

**User Response:** None required.

**GGC9025W Warning func OPEN output DD REPORT02 rc = <RETURN\_CODE>.**

**Explanation:** An error occurred when opening the REPORT02 DD.

**User Response:** Correct your JCL and resubmit the job.

**GGC9026W Warning Section MD5 Hash Usage report skipped.**

**Explanation:** No REPORT02 DD was specified. No report was produced.

**User Response:** Check JCL resubmit job when needed.

**GGC9027I Section MD5 Hash Usage report started.**

**Explanation:** Report generation started.

**User Response:** None required.

**GGC9028I Section MD5 Hash Usage report completed.**

**Explanation:** Report generation completed.

**User Response:** None required.

**GGC9029W Warning func OPEN output DD REPORT03 rc = <RETURN\_CODE>.**

**Explanation:** An error occurred when opening the REPORT03 DD.

**User Response:** Correct your JCL and resubmit the job.

**GGC9030W Warning Section APAR Usage report skipped.**

**Explanation:** No REPORT03 DD was specified. No report was produced.

**User Response:** Check JCL resubmit job when needed.

**GGC9031I Section APAR Usage report started.**

**Explanation:** Report generation started.

**User Response:** None required.

**GGC9032I Section APAR Usage report completed.**

**Explanation:** Report generation completed.

**User Response:** None required.

**GGC9033W Warning func OPEN output DD REPORT04 rc = <RETURN\_CODE>.**

**Explanation:** An error occurred when opening the REPORT04 DD.

**User Response:** Correct your JCL and resubmit the job.

**GGC9034W Warning APAR Section Affected report skipped.**

**Explanation:** No REPORT04 DD was specified. No report was produced.

**User Response:** Check JCL resubmit job when needed.

**GGC9035I APAR Section Affected report started.**

**Explanation:** Report generation has started.

**User Response:** None required.

**GGC9036I APAR Section Affected report completed.**

**Explanation:** Report generation is complete.

**User Response:** None required.

**GGC9037I (c) Copyright Rocket Software, Inc. 2012. All Rights Reserved.**

**Explanation:** Utility starting.

**User Response:** None required.

**GGC9038I Load Library Report utility started.**

**Explanation:** Utility started.

**User Response:** None required.

**GGC9039I Load Library Report utility completed rc = <RETURN\_CODE>.**

**Explanation:** Utility completed.

**User Response:** Check the return code.

**GGC9040W Warning Entry %.\*s have TEST attribute set.**

**Explanation:** The TEST attribute could not be set for an entry.

**User Response:** The load library member might be unusable. Recovery of the load library is required.

## **Instrumentation**

None.

**Other interfaces**

None.

**Impact on user tasks (impact to User's Guide and/or technical bulletin)**

None.

**Glossary of terms**

None.