CICS Transaction Server for z/OS

SupportPac CS1G - CICSPlex SM Batch Utility

CICS Transaction Server for z/OS

IBM

SupportPac CS1G - CICSPlex SM Batch Utility

> **Note!**
>
> Before using this information and the product it supports, be sure to read the general information under "Notices" on page 15.

Contents

iii

CPSMUTIL, the CICSPlex SM batch utility program

This SupportPac™ describes the CICSPlex® SM batch utility program, CPSMUTIL. The CPSMUTIL batch utility program provides you with an easy-to-use command interface that enables you to do the following:

- Set the CICSPlex SM context within which the utility is to operate, which can be either a CMAS or a CICSplex.
- Define your CICS® regions to CICSPlex SM in one or more CICSplexes
- Group the regions in logical CICS system groups within a CICSplex
- Export and import definitions from and to a CICSPlex SM repository data set.

You can use the CPSMUTIL utility by editing and running the supplied CPSMUTL batch job.

Using the CICSPlex SM batch utility program, CPSMUTIL

CPSMUTIL, the CICSplex batch utility, uses the CICSPlex SM API to enable you to specify the required CICSplex names in some simple parameters, and the utility sets up the definitions for you, using your parameters in conjunction with model definitions supplied in the CS1GJCL.XMT library.

Note: The CMAS that owns the repository in which you are creating definitions must be active when you run the CPSMUTL job. Also, the CPSMUTL job must run in the same z/OS® image as the CMAS. You will see that there is no data set definition (DD) statement for the repository in the CPSMUTL JCL. This is because all access to the repository is through the CMAS, using the CICSPlex SM API.

You can use the CICSPlex SM utility to perform all CMAS and CICSplex definition activities once the basic CMAS environment has been established. Such activities include:

- Defining and removing CICSplexes to and from a CMAS
- Defining and removing CICS regions to and from a CICSplex
- Defining and removing CICS groups to and from a CICSplex
- Adding and removing CICS regions to and from CICS groups
- Importing, printing or exporting CICSPlex SM objects defined to CMAS or CICSplex contexts

The sample procedure provided, CPSMUTL0, shows you how to do this, see "Parameters used in CPSMUTL0" on page 2.

Data sets used by the CPSMUTIL utility program

For initial setup, the CPSMUTIL utility program uses, in addition to information you provide, some predefined information supplied in the CS1GJCL.XMT library referenced by the following DD statements:

CPLEXDEF
> This DD statement references the member called CPUTLCPL, which provides default values in support of the DEFINE CICSPLEX command. You can modify the CPLEXDEF within it to suit your own installation requirements.

CSYSDEF
> This DD statement references the member called CPSMBDCS, which provides

default values in support of the DEFINE REGION command. You can modify the CSYSDEF within it to suit your own installation requirements.

CSYSGRP

This DD statement references the member called CPSMBDCG, which provides default values in support of the DEFINE CICSGRP command. You can modify the CSYSGRP within it to suit your own installation requirements.

Parameters used in CPSMUTLP

CPSMUTLP is a JCL procedure used by the samples CPSMUTL0 and CPSMUTL1 to invoke the CPSMUTIL program. For descriptions of data sets used see "Data sets used by the CPSMUTIL utility program" on page 1.

PARM='*cpsm_level***'**

The PARM string on the EXEC PGM statement is required to specify the CICSPlex SM level of the CMAS to which CPSMUTIL is connecting. The values are as follows:

- For CICS TS 1.3, the value is 0140
- For CICS TS 2.2 the value is 0220
- For CICS TS 2.3 the value is 0230
- For CICS TS 3.1 the value is 0310

Parameters used in CPSMUTL0

The CPSMUTL0 JCL sample provides the initial definition of a CICSplex, the association of the CICSPlex with a CMAS as the maintenance point and the association, and grouping, of CICS Systems with that CICSplex.

CPSMUTL0 is supplied with the following parameters, which you edit to specify your own names:

CONTEXT

This parameter sets the CICSPlex SM context within which the utility is to operate.

This parameter is used twice in the CPSMUTL0 job. The first use is to enable the utility to locate and communicate with your CMAS, (see below for the second use). The format of the parameter to set the CMAS context is:

```
CONTEXT cmasname
```

where *cmasname* is the name of the CMAS that you intend to be the maintenance point for the CICSplex.

Note: You define the context as the CMAS only when you are defining a CICSplex. For actions that operate on an existing CICSplex, such as defining extra regions, or importing or exporting objects, set the context to the CICSplex.

DEFINE CICSPLEX

This parameter specifies the name of your CICSplex. When you define the CICSplex, the CMAS named on the CONTEXT parameter becomes the maintenance point for the CICSplex.

The format of this parameter is:

```
DEFINE CICSPLEX plexname
```

Choose a 1 to 8 character name for your CICSplex, perhaps using a naming convention that will allow you to define more than one CICSplex. For example:

- The first three letters could identify the location, such as HUR for Hursley
- The middle letters the type, such as TEST or PROD for test and production CICSplexes.
- The last a unique alphanumeric identifier for the CICSplex.

All the other parameters required to complete the CICSplex definition are supplied by the CPUTLCPL file defined on the CPLEXDEF DD statement.

Note: The supplied CPSMUTL0 job is set up to define only one CICSPlex. You are recommended to create a separate CICSplex for the Web User Interface server, which you can do by adding the required definitions to CPSMUTL0.

CONTEXT

The second use appears *after* the DEFINE CICSPLEX parameter, to reset the context to the CICSplex.

The format of the parameter to set the context to the CICSplex is:

```
CONTEXT plexname
```

where *plexname* is the name you specified on the DEFINE CICSPLEX parameter.

DEFINE CICSGRP

This parameter defines a CICS system group, which is a subset of a CICSplex.

The format of this parameter is:

```
DEFINE CICSGRP group_name
```

Where *group_name* is a 1- to 8-character alphanumeric name for the CICS system group. The first character must be alphabetic.

DEFINE REGION

This parameter specifies the name and other key attributes of each CICS region you want to include in the CICSplex. The parameter and its sub-parameters have the following format:

```
DEFINE REGION   region_name    -
       APPLID   region_applid  -
       SYSID    region_sysidnt -
       CMASID   cmasname
```

You are recommended to use the APPLID as the region name in these definitions. Making the region name the same as the APPLID has the following advantages:

- It avoids having to invent another name for the region
- It avoids confusion if the names are the same instead of regions having two identifiers
- It allows you to use the same CICSPlex SM initialization parameters for each region in the same CICSplex.

Specify a different name on the REGION parameter only if you have a good reason for doing so.

SYSID is the name specified on the region's SYSIDNT system initialization parameter, and CMASID is the name of your CMAS as specified on the first CONTEXT parameter.

The CPSMUTL0 job includes the DEFINE REGION parameters once, but you can define as many as you need, in any groupings that suit your requirements.

ADD TOGROUP

This parameter specifies the name of the CICS region that you want to add to the CICS system group defined by a DEFINE CICSGRP command.

The format of this parameter for adding a CICS region to a group is:

```
ADD  TOGROUP   grpname -
     REGION    regname
```

You can also nest CICS system groups by including a group in another group. The format of the parameter for adding a group to a group is:

```
ADD  TOGROUP   grpname1 -
     CICSGRP   gprname2
```

After you have run the CPSMUTL job and created the initial definitions of your CICSplex, you might want to create another CICSplex, or add more regions or CICS system groups. In this case, you can run the CPSMUTL job again, suitably modified to add the additional objects to your CMAS data repository. You can also save the previous definitions before making changes in case you need to back out the update. This is described in the following section.

Adding or removing definitions

To run CPSMUTIL subsequently, set the context to the name of the CICSplex to which you want to make changes. Then, before applying any changes, use the EXPORT command to make a backup of the data repository.

Note: You should be aware of an issue regarding the export of WLMSPEC, RTASPEC or MONSPEC objects. If definitions of this type are re-imported to a different CICSplex any inherited CICS group associations will become explicitly associated.

Parameters used in CPSMUTL1

As part of your CICSplex you may decide to define one, or more secondary CMASs.

The CPSMUTL1 sample shows you how to import a definition to create a CMAS to CMAS connection.

CPSMUTL1 gives an example of using the EXPORT and IMPORT commands and is supplied with the following parameters, which you edit to specify your own names:

CONTEXT

This parameter sets the CICSPlex SM context within which the utility is to operate.

The format of the parameter to set the context to the CICSplex is:

```
CONTEXT plexname
```

where *plexname* is the name of the CICSplex to which you want to make changes.

OPTION DUPREC REJECT

The reject parameter instructs the program that if it detects any definitions in the IMPORT stream that already exist in the local data repository then the job stream is to be rejected. Other allowable options are:

> **SKIP** - Leave the existing record in place

UPDATE - Replace the existing definition

For more information see the OPTION command in the CPSMUTIL utility program.

IMPORT

This parameter imports definitions into the repository. The normal format of the command is `IMPORT DDname resource_type resource_id` but in the CPSMBD1 job the command is used in its generic form to import all the definitions from the input data set.

For this purpose the format is

```
IMPORT CMAS1LNK * *
```

CPSMUTL1 has an input data stream for CMAS1LNK which includes a CMAS to CMAS definition (CICSPlex SM CMTCMDEF resource table)

Note: If you are adding a secondary CMAS you also need to assign it to your CICSplex before it can participate in the CICSplex management. Do this in one of the following ways:

- issue an ADD action from the CICPLEXDEF EUI view
- use the CICSplex SM API action of ASSIGN against the CPLEXDEF resource table

Commands supported by the CPSMUTIL utility program

The CPSMUTIL utility program supports the following commands:

ADD TOGROUP *groupname*

Add regions or groups to a CICS group. You specify the object to be added on either a REGION or CICSGRP sub-parameter following the ADD command. For examples of the ADD command, see "Parameters used in CPSMUTL0" on page 2.

Comments

You can include comments in the CPSMUTIL command stream. These are indicated by an * in column 1.

Continuation

Continuation is indicated by a hyphen (-). A continuation character is supported on the DEFINE and REMOVE commands. For example, the DEFINE REGION command has a number of sub-parameters, which can be on separate lines, shown as follows:

```
DEFINE REGION    region_name    -
       APPLID    region_applid  -
       SYSID     region_sysidnt -
       CMASID    cmasname
```

CONTEXT {cmas_name | *CICSPlex_name***}**

Set the context[1] for the commands that follow. For examples of the CONTEXT command, see "Parameters used in CPSMUTL0" on page 2

DEFINE *object_type object_name*

Define the specified object, the type of which can be one of CICSPLEX, REGION, CICSGRP. These create CPLEXDEF, CSYSDEF, and CICSGRP

---

1. context. A named part of the CICSPlex SM environment that is currently being acted upon by CICSPlex SM. For configuration tasks, the context is a CICSPlex SM address space (CMAS); for all other tasks, it is a CICSplex.

definitions respectively in the CICSPlex SM CMAS repository. For examples of the DEFINE command, see "Parameters used in CPSMUTL0" on page 2

DELETE *object_type object_name*
Delete the specified object, the type of which can be one of CICSPLEX, REGION, CICSGRP. You can specify an * in *object_name* as a generic (wildcard) character.

EXPORT *DDname resource_type resource_id*
Write all the definitions of the specified type and identifier within the current context to the specified output file. For *resource_type* specify in full one of the CICSPlex SM resource types or an * for all resource types. You can specify an * in *resource_id* as a generic (wildcard) character. If you specify * * for the resource type and resource identifier, CPSMUTIL exports all the definitions within the current context.

IMPORT *DDname resource_type resource_id*
Import into the repository, within the current context, all the definitions of the specified type and identifier from the input file defined on the named DD statement. For *resource_type* specify in full one of the CICSPlex SM resource types or an * for all resource types. You can specify an * in *resource_id* as a generic (wildcard) character. If you specify * * for the resource type and resource identifier, CPSMUTIL imports all the definitions it finds in the input data set.

OPTION *action*
Request the specified action that CPSMUTIL is to take during IMPORT command processing. This can be either DUPREC or FEEDBACK. If you want both the DUPREC and FEEDBACK options, specify them on separate OPTION command statements. The DUPREC and FEEDBACK actions are defined as follows:

DUPREC {SKIP | UPDATE | REJECT}
DUPREC defines the action you want CPSMUTIL to take in the event of a duplicate record being found during import processing. This must precede the IMPORT or DEFINE statement to which it refers. The possible options are as follows:

REJECT: If there is a name duplication between an object being defined and an existing repository definition when processing a DEFINE or IMPORT command, the duplicate name being defined or imported is skipped and the data repository is not changed. The REJECT option is handled as an error, and CPSMUTIL writes a message to the job log. CPSMUTIL raises return code 8 for a REJECT error. REJECT is the default option.

SKIP: If there is a name duplication between an object being defined and an existing repository definition when processing a DEFINE or IMPORT command, the new definition is skipped, and the data repository is not changed. This is handled as normal (return code 0).

UPDATE: If there is a name duplication between an object being defined and an existing repository definition when processing a DEFINE or IMPORT command, the existing definition is updated with the attributes of the record being defined or imported. If the existing definition is one that cannot be updated by modifying specific attributes, it is deleted and recreated from the DEFINE or IMPORT command. This is handled as normal (return code 0).

FEEDBACK {QUIET | VERBOSE}

FEEDBACK defines how you want CPSMUTIL to handle exception condition reporting in the event of an error being returned from the CICSPlex SM API. The possible options are as follows:

QUIET: CPSMUTIL writes only a basic CPSMUTIL message to the job log. See the CPSMBD*nnnn* messages in "CICSPlex SM batch utility messages" on page 9. QUIET is the default FEEDBACK option.

VERBOSE: In addition to the CPSMBD*nnnn* standard message reporting response and reason codes, CPSMUTIL writes any associated CICSPlex SM feedback data to the destination specified on the SYSTSPRT DD statement.

PRINT *resource_type resource_id*

Print definitions within the current context from CMAS repository. For *resource_type* specify in full one of the CICSPlex SM resource types or an * for all resource types. You can specify an * in *resource_id* as a generic (wildcard) character. If you specify * * for the resource type and resource identifier, CPSMUTIL prints all definitions within the current scope. For an example of the PRINT command, see "Parameters used in CPSMUTL0" on page 2

REMOVE FROMGROUP *groupname*

Remove the specified object from the named group. You specify the object on either a REGION or CICSGRP sub-parameter following the REMOVE command.

Note: CPSMUTIL reads and processes all commands in the input stream sequentially. Ensure you specify the commands in the right sequence, with commands such as OPTION DUPREC and OPTION FEEDBACK preceding the commands to which they relate and operate on. For example, OPTION DUPREC should *precede* the IMPORT command on which you want it to operate.

Error handling

There are two levels of error that can occur in CPSMUTIL utility program processing, which are as follows:

- Errors in the command parameter stream that are detected by CPSMUTIL.

  CPSMUTIL processes each command as it occurs in the command input stream. If the utility program detects an error in a command (for example, an unrecognized parameter) it terminates processing without reading any more commands, and issues message "CPSMU0048E Data stream rejected." which gives RC 12.

- Errors in the CICSPlex SM API detected by CICSPlex SM when it is processing calls from CPSMUTIL.

  If a command and its parameters are recognized by CPSMUTIL it calls CICSPlex SM to perform the specified action. However, if CICSPlex SM detects an error, only that command fails (with return code 8 or 12) and CPSMUTIL continues with the next command. For example, a DEFINE REGION command that specifies SYSID ABCDE is accepted by CPSMUTIL but rejected by CICSPlex SM because the SYSID value is more than four characters long.

Obtaining a CPSMUTIL system dump

CPSMUTIL is a compiled REXX API program that executes as a CICSPlex SM utility. CPSMUTIL can produce error messages due to errors in the input command stream, unexpected return code information from the REXX run-time environment, or exceptions from CICSPlex SM. Use the CPSMUTIL joblogs to determine if the problem is within CPSMUTIL itself, CICSPlex SM exceptions, or errors returned from the REXX run-time.

If your job running the CPSMUTIL utility program terminates abnormally, add the following statements to your JCL to request a dump and run the failed job again:

```
//SYSMDUMP  DD  DISP=(,CATLG),DSN=@userid@.CPSMBD.SYSMDUMP,
//              UNIT=SYSDA,SPACE=(CYL,(50,25)),
//              DCB=(DSORG=PS,RECFM=FBS,LRECL=4160,BLKSIZE=24960)
```

Appendix. CICSPlex SM batch utility messages

There are two groups of messages associated with CPSMUTIL. They are:
- "CICSPlex SM batch utility messages"
- "Severity codes" on page 14

CICSPlex SM batch utility messages

The following messages are issued by the CICSplex batch utility program, CPSMUTIL, and written to the SYSTSPRT output queue.

CPSMU0001SI   Initializing CICSPlex SM API environment.

Explanation: This shows a successful start for the batch process.

System action: The CICSPlex SM batch utility continues to run.

User response: None

CPSMU0002S   CICSPlex SM API environment initialization has failed.

Explanation: The EYUINIT() program has failed to initialize because it was unable to access or run the CICSPlex SM initialization program.

System action: The CICSPlex SM batch utility stops.

User response: Either your REXX or CICSPlex SM environment is not properly installed.

CPSMU0003E   CONTEXT must be the first command parameter.

Explanation: The CONTEXT parameter in the CPSMUTL job is not the first option. The first occurrence of the CONTEXT command parameter in the CPSMUTL job defines the name of the CMAS.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and move the CONTEXT parameter to the beginning. Refer to "Parameters used in CPSMUTL0" on page 2 for more details.

CPSMU0004W   Data following CONTEXT Value has been ignored.

Explanation: The only data that should be associated with the CONTEXT parameter is the name of the context.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and delete the extraneous data. Refer to "Parameters used in CPSMUTL0" on page 2 for more details.

CPSMU0005E   CONTEXT must be the first command specification of the CPSMDEFS input stream.

Explanation: The CONTEXT parameter in the CPSMUTL job is not the first option.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and move the CONTEXT parameter to the beginning. Refer to "Parameters used in CPSMUTL0" on page 2 for more details.

CPSMU0006E   Unknown DEFINE command parameter.

Explanation: The DEFINE command parameter can be followed by one of the following: CICSPLEX, CONTEXT, REGION, or CICSGRP. The command parameters that are associated with DEFINE REGION are APPLID, SYSID and CMASID.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and ensure that the parameters are valid and spelled correctly. Refer to "Parameters used in CPSMUTL0" on page 2 for more details.

CPSMU0007E   Resource Type must be explicit for object, deletion.

Explanation: The name of the object that follows the DELETE command in the CPSMUTIL job has not been recognized or is missing.

System action: The CICSPlex SM batch utility stops.

User response: Review the log. Edit the CPSMUTL job and ensure that the name of the object is valid. Refer to "Parameters used in CPSMUTL0" on page 2 for more details.

CPSMU0008E   Unsupported ADD command resource type.

Explanation: The ADD command supports two resource types, they are: TOGROUP and REGION.

System action: The CICSPlex SM batch utility stops.

User response: Review the log. Edit the CPSMUTL job and ensure that the name of the object is valid. Refer to "Parameters used in CPSMUTL0" on page 2 for more details.

CPSMU0009E   Unsupported REMOVE command Resource Type.

Explanation: The REMOVE command supports the resource types: FROMGROUP.

System action: The CICSPlex SM batch utility stops.

User response: Review the log. Edit the CPSMUTL job and ensure that the name of the object is valid.

CPSMU0010E   Input file reference omitted from IMPORT command, request rejected.

Explanation: The DDname is either invalid or is missing following the IMPORT command.

System action: The CICSPlex SM batch utility stops.

User response: Review the log. Edit the CPSMUTL job and ensure that the name of the object is valid. Refer to "Parameters used in CPSMUTL0" on page 2 for more details.

CPSMU0011E   Input datasteam *DDname* is empty.

Explanation: The content of the specified input file are either invalid or is missing.

System action: The CICSPlex SM batch utility stops.

User response: Edit the input file.

CPSMU0012I   *numberof records* records exported to file *DDname*.

Explanation: This reports the number of records that have been exported to the specified output file.

System action: The specified output file is created.

User response: None

CPSMU0013I   Processing complete.

Explanation: This shows a successful end for the batch process.

System action: The CICSPlex SM batch utility stops.

User response: None

CPSMU0014W   Data following CICSPLEX Name is redundant and has been ignored.

Explanation: There is additional unnecessary data on the line following the CICSPLEX name.

System action: The CICSPlex SM batch utility continues.

User response: Edit the CPSMUTL job and ensure that there is only the name of the CICSPlex present.

CPSMU0015E   DEFINE REGION parameters incomplete.

Explanation: One or more of the parameters following the DEFINE REGION command are missing. The parameters are APPLID, SYSID, and CMASID.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and ensure that all the parameters are present for all your regions.

CPSMU0016W   Data following CICSGRP name is redundant and has been ignored.

Explanation: There is additional unnecessary data on the line following the CICSGRP name.

System action: The CICSPlex SM batch utility continues.

User response: Edit the CPSMUTL job and remove the redundant data.

CPSMU0017E   Resource *resourcetype* not consistent with context type.

Explanation: The CICSPlex is not defined as part of the CMAS name.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and ensure that the CMAS name and the CICSPLEX names correspond.

CPSMU0018E   Cannot specify both REGION and CICSGRP on same ADD command.

Explanation: CICSGRP and REGION are defined on the same ADD command in the CPSMUTL job.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and ensure that there are separate ADD commands for the REGION and CICSGRP.

CPSMU0019E   Must specify either REGION or CICSGRP on ADD command.

Explanation: Each ADD command must have either a REGION or CICSGRP specified.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and ensure that each ADD command has either a REGION or CICSGRP specified.

CPSMU0020E   Cannot specify both REGION and CICSGRP on same REMOVE command.

Explanation: CICSGRP and REGION are defined on the same REMOVE command in the CPSMUTL job.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and ensure that there are separate REMOVE commands for the REGION and CICSGRP.

CPSMU0021E   Must specify either REGION or CICSGRP on REMOVE command.

Explanation: Each REMOVE command must have either a REGION or CICSGRP specified.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and ensure that each REMOVE command has either a REGION or CICSGRP specified.

CPSMU0022I   Object creation successful for *resourcetype resourcename***.**

Explanation: The object has been created successfully.

System action: The CICSPlex SM batch utility continues.

User response: None

CPSMU0023E   Object Creation failed for *resourcetype resourcename***.**

Explanation: There is already an object with the same name defined.

System action: The CICSPlex SM batch utility stops.

User response: Either rename the new object or remove the existing object if appropriate.

CPSMU0024I   Establishing connection to CONTEXT *contextname***.**

Explanation: The CICSPlex SM batch utility is attempting to establish a connection to the named context.

System action: The CICSPlex SM batch utility continues.

User response: None

CPSMU0025I   Terminating connection from CONTEXT *contextname***.**

Explanation: The CICSPlex SM batch utility is disconnecting from the named context.

System action: The CICSPlex SM batch utility continues.

User response: None

CPSMU0026E   Resource Type *resourcetype* **is not recognized, request rejected.**

Explanation: The Resource Type has not been recognized.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and enter a valid CICSPlex SM resource type.

CPSMU0027E   Object *objectType objectname* **within the current Context** *contextname* **could not be located in the CICSPlex SM data repository.**

Explanation: The named object is either not defined in the CICSPlex SM data repository, or it is defined - but not within the current CONTEXT assignment.

System action: CPSMUTIL processing will continue to the next command.

User response: If you know that the named object has been defined, ensure that is applicable to the previously set CONTEXT value. Otherwise the object name itself must be corrected. Refer to "Parameters used in CPSMUTL0" on page 2 to ensure that you have defined the CONTEXT correctly.

CPSMU0028I   Object deletion successful for *objectype objectname***.**

Explanation: The object was deleted following the REMOVE command.

System action: The CICSPlex SM batch utility continues.

User response: None

CPSMU0029E   Object Deletion failed for *objectype objectname***.**

Explanation: The object could not be deleted following the REMOVE command.

System action: The CICSPlex SM batch utility stops.

User response: Edit the CPSMUTL job and enter a valid resource type.

CPSMU0030E   Start of CICSPlex SM feedback data:

Explanation: This marks the start of the section that returns data from the system

System action: None

User response: None

CPSMU0031E   End of CICSPlex SM feedback data.

Explanation: This marks the end of the section that returns data from the system

System action: None

User response: None

CPSMU0032E   Command verb is invalid.

Explanation: The command verb in invalid.

System action: The CICSPlex SM batch utility stops.

User response: Correct the CPSMUTIL input stream.

CPSMU0033E   Mandatory resource name parameter omitted.

Explanation: A valid parameter is missing.

System action: The CICSPlex SM batch utility stops.

User response: Correct the CPSMUTIL input stream.

CPSMU0034E   Mandatory resource type parameter omitted.

Explanation: A valid resource type is missing.

System action: The CICSPlex SM batch utility stops.

User response: Correct the CPSMUTIL input stream.

CPSMU0035E   Command parameter repeated.

Explanation: A command parameter has been used twice in the batch program.

System action: The CICSPlex SM batch utility stops.

User response: Correct the CPSMUTIL input stream.

CPSMU0036E   Version Id *version* **is not allowed for this program.**

Explanation: The CICSPlex SM batch utility supports CICS TS 1.3 and CICS TS 2.2.

System action: The CICSPlex SM batch utility stops.

User response: Ensure that you are using the correct level of CICS TS.

CPSMU0037E   *DDname* **dataset is empty.**

Explanation: The named data set is empty or missing.

System action: The CICSPlex SM batch utility stops.

User response: Ensure that the data set is present and that it has some contents.

CPSMU0039E   Resource name length must not be longer than resource key length.

Explanation: The resource name length is longer that the key length

System action: The CICSPlex SM batch utility stops.

User response: Correct the CPSMUTIL input stream.

CPSMU0040S   TPARSE failed for ATTR data.

Explanation: The CICSPlex SM TPARSE command failed to access the attribute data in a resource table record. See the *CICSPlex SM Application Programming Guide* for more information about the TPARSE command.

System action: The CICSPlex SM batch utility stops.

User response: Check the input stream is valid for the version of CICSPlex SM in use.

CPSMU0041S   TBUILD failed for *resourceName* **data.**

Explanation: The CICSPlex SM TBUILD command failed to build a CICSPlex SM definition or a CICS resource table record from the data that was supplied. See the *CICSPlex SM Application Programming Guide* for more information about the TBUILD command.

System action: The CICSPlex SM batch utility stops.

User response: Check the input stream is valid for the version of CICSPlex SM in use.

CPSMU0042S   I/O error occurred reading *DDname* **dataset.**

Explanation: The CICSPlex SM batch utility is unable to access the data set.

System action: The CICSPlex SM batch utility stops.

User response: Check the attributes of the data set identified by DDname.

CPSMU0043S   CICSPlex SM FEEDBACK OBJECT data is not available: RESP=cpsmresponse **REASON=**cpsmreason**.**

Explanation: CICSPlex SM is unable to create a buffer in preparation for receiving records.

System action: The CICSPlex SM batch utility stops.

User response: Check the feedback *cpsmresponse* and *cpsmreason* codes to identify the reuse of the feedback failure.

CPSMU0044S CICSPlex SM FEEDBACK data is not available: RESP=_cpsmresponse_ **REASON=**_cpsmreason_**.**

Explanation: The feedback buffer has been created but there is no feedback date available to populate it.

System action: The CICSPlex SM batch utility stops.

User response: Check the feedback _cpsmresponse_ and _cpsmreason_ codes to identify the cause of the feedback failure.

CPSMU0045S CICSPlex SM FEEDBACK cannot be extracted:

Explanation: This has received an attribute but CICSPlex SM is unable to provide feedback data.

System action: The CICSPlex SM batch utility stops.

User response: Check for other messages to determine the cause of the problem.

CPSMU0046E CICSPlex SM API Response=_CPSMresponse_ **Reason=**_CPSMreason_**.**

Explanation: This message is issued as part of another message.

System action: The CICSPlex SM batch utility stops.

User response: Check the _cpsmresponse_ and _cpsmreason_ codes to identify the cause of the error.

CPSMU0047I Object _resourceType resourceName_ **is a duplicate of an existing record. Record creation skipped.**

Explanation: The record already exists.

System action: The CICSPlex SM batch utility continues.

User response: None

CPSMU0048E Datastream rejected.

Explanation: This message is issued as part of another message.

System action: The CICSPlex SM batch utility stops.

User response: Refer to the initial message to decide the action that you should take.

CPSMU0049W Data following OPTION value has been ignored.

Explanation: There is invalid or additional data following the value associated with the OPTION parameter.

System action: The CICSPlex SM batch utility continues.

User response: Edit the file to remove or modify the data.

CPSMU0050I _responseOption_ **process OPTION has been set to** _responseValue_**.**

Explanation: The values for _responseOption_ are either FEEDBACK or DUPREC. The values of _responseValue_ for the FEEDBACK option are either QUIET or VERBOSE. The values of _responseValue_ for the DUPREC option are SKIP, OVERWRITE or REJECT. For more information, see the _CICSPlex SM Application Programming Reference_ manual.

System action: The CICSPlex SM batch utility continues.

User response: None

CPSMU0051I Object Update successful for _resourceType resourceName_**.**

Explanation: The object has been updated successfully.

System action: The CICSPlex SM batch utility continues.

User response: None

CPSMU0052E OPTION command verb is invalid.

Explanation: The OPTION command verb can be either DUPREC or FEEDBACK.

System action: The CICSPlex SM batch utility stops.

User response: Check the syntax of your command. See "Commands supported by the CPSMUTIL utility program" on page 5.

CPSMU0053W _responseOption_ **OPTION is invalid and has been forced to** _responseValue_**.**

Explanation: The values for _responseOption_ are either FEEDBACK or DUPREC. The values of _responseValue_ for the FEEDBACK option are either QUIET or VERBOSE. The values of _responseValue_ for the DUPREC option are SKIP, OVERWRITE or REJECT. For more information, see the _CICSPlex SM Application Programming Reference_ manual.

The CICSPlex SM batch utility continues.

User response: None

CPSMU0054E ModelType the model record is invalid, and has been ignored.

Explanation: The model record is invalid.

System action: The CICSPlex SM batch utility continues.

User response: None

CPSMU0056E   ResourceType name is invalid

Explanation: You have tried to define a CICSPlex, region or group with an invalid name, that is, a name that does not follow the CICSPlex SM naming standards.

System action: The program rejects the rest of the command stream and terminate with return code 8.

User response: You should supply a name that follows the CICSPlex SM naming standards.

Severity codes

Certain messages, especially those associated with messages to terminal operators and messages which come from CICS utilities, have a severity code. (CPSMU0001S I, is an example.) A severity code indicates to the operator whether a message is associated with an error, and if so, how serious it is. The following severity codes are used:

E   Error. Something has gone wrong and action is required of the user before CICSPlex SM processing can continue.

I   Information only. No action is required.

W   Alert. Something may have gone wrong, a program loop for example, but CICSPlex SM processing continues.

S   Severe error. Something serious has gone wrong and immediate action is required. CICSPlex SM processing is suspended until action has been taken.

Notices

The provisions set out in the following two paragraphs do not apply in the United Kingdom or any other country where such provisions are inconsistent with local law:

Trademarks

The following terms are trademarks of International Business Machines Corporation in the United States, or other countries, or both:

CICS	IBM
CICSPlex	z/OS

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Other company, product, and service names may be trademarks or service marks of others.

IBM ®

Printed in USA

Spine information:

IBM

CICS Transaction Server for z/OS

CICSPlex SM Batch Utility