

## Repositories and Work Spaces

A repository is a file in which resources managed by PowerGEM are stored.

The following files can be used as a repository:

- Local GEM file
- Global server GEM file
- Global server [partitioned file](#)
- Global server [sequential file](#)

A work space is a group of files related to a [repository](#) by [mapping](#). Under Windows, work spaces are folders. You indicate that a folder is to be used as a work space by mapping it to a repository.

Files can be added to the repository from a workspace. Files in the repository are controlled by the [check-out/check-in](#) commands. Files are edited or updated in the work space and added or checked-in to the repository.

Multiple work spaces can be mapped to a repository. This means that a repository can be shared.

Work spaces also contain [work space management files](#) that are used by the system.

Work spaces can be moved within a system.

### Notes:

- When creating a work space or a repository on the network, the user must be given all access rights.
- A work space cannot be mapped to multiple repositories.
- When a work space is moved, the work space management file must be moved at the same time.
- To store a work space file in a repository after it has been temporarily renamed or moved, the file must be renamed to its original name.
- The work space management file manages information per work space. As such, to copy the content of a work space file, do not copy the folder, but select and copy the work space file.
- Any file with a file name starting with @GEM cannot be created in a work space or a repository.

## **Work space**

A set of development files managed by PowerGEM. Under Windows, work spaces are folders. You indicate that a folder is to be used as a work space by mapping it to a repository.

Work spaces consist of work space management files and work space files.

**Work space file**

Normal files for development work that are contained in the work space. One work space file is related to one repository member or file.

## **Configuration management**

Term used to describe the set of functions that help you manage changes to repository files (GEM library, partitioned files, and sequential files).

## **Partitioned file**

A repository on an global server. Work spaces are related to the entire partitioned file and work space files are related to registered members.

## **Sequential file**

A repository on an global server. The entire sequential file is related to one work space file.

## **GEM library**

A repository that has the generation management mechanism for Windows and an global server. Work spaces are related to the entire GEM library and work space files are related to library members.

## **Updated history information**

Control information for generation (revision) management in the GEM library. Updated history information is created for each generation (revision) of the text.



## **Record format**

The storage format for sequential files, partitioned files, and data records in the GEM library. Variable-length format and fixed-length format are available.

**Record length**

The maximum record length for sequential files, partitioned files, and data records in the GEM library.

**Data type**

The data name that identifies the type of language that is used by member text in the GEM library.

**Repository**

A file or GEM library in which resources managed by PowerGEM are stored.

## **Map**

Sets up the relationship between a work space and a repository.

**Code conversion**

A configuration management feature that automatically converts the code set used for the source program text into the code set for the target platform.

## **GEM utility**

Provides the following:

- Functions to create and delete GEM libraries
- Functions to modify the information of GEM library members.
- Functions to set and delete the version level of GEM library members.
- Functions to search GEM library members for character strings and to count comment lines
- Functions to display the member information, the development history and the production amount of GEM library members.
- Ability to set up and edit file properties based on the file extension.
- Functions to set and change default value used when command starts.

**Work space management file**

A hidden file in which information that relates the work space to a repository is stored.



**MASTER status**

An attribute of an global server GEM library. A member which has MASTER status is managed so that all input operations are suppressed.

**TEST status**

An attribute of an global server GEM library. A member which has TEST status is managed so that output operations can be performed.

## Map

The map command defines a folder as a [work space](#) and relates it to a [repository](#). The command can also establish mapping relationships between [work space files](#) and specified repository members. Only mapped members are subject to [configuration management](#).

When repository member names are specified in the command, files with corresponding names will be created in the work space, overwriting any files with those names in the work space.

The Map dialog box has different forms depending on whether a local or global server repository is to be mapped.

[Local](#) : Used when a local repository is mapped.

[Global Server](#) : Used when an global server repository is mapped. (Not currently supported in English version)

## **Map(Local)**

Defines a folder as a work space, and maps the folder to a local GEM library.

### **Work Space Name**

Displays the work space name (folder name) selected when the map command was invoked.

### **Folder Name**

Displays the absolute path name of the folder that contains the local GEM library.

### **Library Name**

Specifies the library to which the work space is mapped. If a relative path name is specified, the folder name displayed in the folder is appended.

### **Member Name**

Specifies the member name(s) to which work space files are mapped. Can be specified with a wild card.

The library/member reference dialogue box is displayed when the browse button is pressed.

### **See Also**

[Options\(Map:Local\)](#)

## Options(Map:Local)

The option of the Map (Local) is explained.

### Extended function

Specify how the work space file is handled during mapping.

The options are:

Map Only : Only establish the mapping between work space file and repository member(s). A file of size 0 is created in the work space for each mapped member.

Retrieve : [Retrieve](#) the file from the repository after mapping.

Check Out : The file is [checked out](#) from the repository after mapping.

### Replace

Specifies whether to replace existing files in the work space.

If the check box is selected, existing files are replaced automatically.

If the check box is empty you will be prompted before any files are replaced.

The check box default is empty.

### Notes:

- If a password is assigned to the member to be mapped, do not specify the extended function for retrieve or check-out.

To retrieve or check out a member with a password, map the member first. Then, specify the password and execute the retrieve or the check out command.

### See Also

[Map\(Local\)](#)

## **Map(Global Server)**

Defines a folder as a work space, and maps the folder to an Global server GEM file, partitioned file, or sequential file.

### **Work Space Name**

Displays the work space name (folder name) selected when the map command was invoked.

### **File Name**

Specifies the repository file name to which the work space is mapped.

Specify the file name fully. The file name does not need to be enclosed in quotation marks. If "a prefix" is specified in the Global server cooperation:

The prefix is added at the beginning of the specified file name if the specified file name is not enclosed in quotation marks.

Pressing the browse button on the file name displays a dialog box for [file or member selection](#).

Wild cards cannot be specified.

### **Member Name**

If a GEM file or partitioned file is specified, this specifies the member name(s) to which work space files are mapped. A wild card can be specified. If it is already mapped, pressing the Browse button on the file name displays a dialog box for [member selection](#).

### **Volume**

If the global server file is not cataloged, specifies the volume on which the repository exists.

### **File Password**

If the global server repository is protected with a file password, specifies the file password.

### **Work Space File Name**

Specifies the file name for retrieving a work space file.

If a wild card is specified in the member name, this option is ignored.

### **Extension**

Specifies the extension added for retrieving a work space file.

If a work space file name is specified, this option is ignored.

### **See Also**

[Options\(Map:Global Server\)](#)

## Options(Map:Global Server)

The option of the Map (Global Server) is explained.

### Extended function

Specify how the work space file is handled during mapping.

The options are:

Map Only : Only establish the mapping between work space file and repository member(s). A file of size 0 is created in the work space for each mapped member.

Retrieve : [Retrieve](#) the file from the repository after mapping.

Check Out : The file is [checked out](#) from the repository after mapping.

### Replace

Specifies whether to replace existing files in the work space.

If the check box is selected, existing files are replaced automatically.

If the check box is empty you will be prompted before any files are replaced.

The check box default is empty.

### Notes:

- If the repository is a sequential file, the entire file is mapped to one work space file.

### See Also

[Map\(Global Server\)](#)

## **Repository Member List**

When working with a repository on a local server, not only the work space files mapped to the work space file list but also the members of the repository can be displayed by execution of the repository information command before the work space is opened. The repository information command can be selected from the Configuration Management sub menu in the View menu of the development manager. The [retrieve command](#) and the [check out command](#) can be used by a repository member.



## Cancel Mapping

The cancel mapping command releases the mapping of work space files to repository members. If a work space is selected, all mapped files within the work space are released and the mapping between the work space and repository is also released.

Map-only work space files (with resources not retrieved) are deleted. Work space files with resources retrieved are saved. The write-protected status is released and the files can be written to.

### Work Space Name

Displays the work space name (folder name) selected or active when the cancel mapping command was invoked.

### File Name

Displays the work space file name selected when the cancel mapping command was invoked. Displayed only when a work space file is selected.

### Notes:

- The cancel mapping command cannot run on a work space file if it is checked out.
- The cancel mapping command cannot run on a work space if a file within that work space is checked out.
- If a work space file is checked out, run the [cancel check out command](#) to cancel the check out(s) as necessary. Then, run the cancel mapping command.

## Add

The add command registers a work space file as a new member of the repository mapped to the workspace.

The following files can be used as a repository:

- Local GEM file
- Global server GEM file
- Global server partitioned file

## Work Space Name

Displays the work space name (folder name) that contains the selected work space file name.

## File Name

Displays the work space file name selected when the add command was invoked.

## Comments

Specifies a comment for the added file. This option is available when the repository is a local GEM file. The comment specified here is displayed in the member description for the history command.

The default comment is the one specified with the [set start up environment command](#).

## Data Type

Specifies the [data type](#) that indicates the text type of the added file. This option is available when the repository is a GEM file.

The data types that can be specified are:

Data type	content	Record format	Length	Seq-number
COBOL	COBOL	Variable length	11 to 223	First 6 digits
		Fixed length	80	First 6 digits
FREECOB	COBOL	Variable length	11 to 223	None
FORT	FORTRAN77	Variable length	11 to 223	First 8 digits
		Fixed length	80	Last 8 digits
CAPE	CAPE text	Variable length	11 to 223	None
C	C	Variable length	11 to 223	None
		Fixed length	80	Last 8 digits
SQLCMD	SQL command	Fixed length	80	Last 8 digits
YPSCOB	YPSCOBOL	Variable length	11 to 223	First 8 digits
		Fixed length	80	First 8 digits
YPSFORT	YPSFORTRAN	Variable length	11 to 223	First 8 digits
		Fixed length	80	First 8 digits
YPSC	YPSC	Variable length	11 to 223	First 8 digits
		Fixed length	80	First 8 digits
YPS	YPS	Variable length	11 to 223	First 8 digits
		Fixed length	80	First 8 digits
DATA	Data	Variable length	11 to 223	None
		Fixed length	1 to 227	None

SMD	Screen & form descriptor	Fixed length	256	None
OVD	Overlay definition	Fixed length	128	None
FFD	File definition	Fixed length	1 to 256	None
BINARY	Binary data	Fixed length	1 to 256	None

### **Owner Name**

Specifies the owner name of the file to be registered.

If the library is on a global server or if a global server code is specified, the owner name must be a character string beginning with either an uppercase alphabetic letter, \$, #, or @, and consisting of up to 12 characters that may include uppercase alphabetic letters, numbers (0 to 9) and, periods (.). In other cases, any character string is accepted.

If the library is not an global server or if the global server code is not specified, any character string can be specified.

The default owner name is the one specified with the set start up environment command

This option is available when the repository is a GEM file.

### **Max Kept Level**

Specifies the maximum value for the control level update information to be saved with the registered file. Specify in the range 1 to 255.

The default is the maximum kept level specified with the set start up environment command.

This option is available when the repository is a GEM file.

### **New Member Name**

Specifies the member name for the target repository when that name is to be different from the work space name.

For an global server GEM file , specify a byte string of up to 16 bytes. For an global server partitioned file, specify a byte string of up to 8 bytes. The default for an global server is the file name excluding the extension.

This option is available when the repository is an global server.

### **Title**

Specifies the title to be added to the file to be registered.

Specify a byte string of up to 50 bytes.

This option is available when the repository is a local GEM file.

### **Continue Check Out**

Specifies whether the check out status is to be continued after a new file is added.

To continued the check out status, select the check box.

The default is the value specified with the set start up environment command.

This option is available when the repository is a local GEM file or a global server file.

### **Notes:**

- If a global server sequential file is mapped as a repository, this command cannot run.
- If the work space file is already mapped, this command cannot run.
- If a file that has the same name as the file to be registered is already registered in the repository, an error occurs.
- The maximum comment length is 80 bytes. However, if an global server code is

- specified, the maximum length is 80 bytes in EBCDIC code.
- The maximum owner name length is 12 bytes.
  - The BINARY data type is valid only for local GEM files.
  - If the data type is blank, the data type initially displayed is used.

**See Also**

[File\(Add\)](#)

[Security\(Add\)](#)

## File(Add)

In file(Add), specify the details of the work space file to be added and other additional information.

### Global Server Code

Specifies the global server file code for storage in the global server repository.  
For PC based source code take the DEFAULT option.

### Compression

Specifies whether to compress files when they are added to a local repository. The default is the value specified with the set start up environment command.

None : Files are not compressed.

Standard : Standard file compression applies.

### Record Format

Specifies the [record format](#) of the file to be registered.

Default : The default is determined according to the PowerGEM environment definition file.

Variable : Variable-length record format file.

Fixed : Fixed-length record format file.

### Record Length

Specifies the [record length](#) of the file to be registered.

File type	Variable length	Fixed length
GEM file	11 to 223	1 to 227
Partitioned file for global servers	5 to 4096	1 to 4100

### Sequence Number

Specifies whether there are sequence numbers, and also specifies the sequence number position.

When a variable-length record format is used, only the beginning of the record can be specified.

Default : Determined by the file extension.

None : There is no sequence number.

Top : The sequence number is located at the beginning of the record.

Bottom : The sequence number is located at the end of the record.

### Sequence Number Length

Specifies a sequence number length (6 or 8).

### See Also

[Add](#)

[Security\(Add\)](#)

## **Security(Add)**

The security of the add command are explained below.

### **File Password**

If the global server repository is protected with a file password, specifies the file password.

### **Read Password**

Specify the read password for the member to be registered. The read password is valid when the repository is a local GEM file. A read password is a character string of up to eight characters from A to Z, \$, #, @, and 0 to 9. The first character must not be a number.

### **Confirm Read Password**

Enter the read password again for confirmation.

### **Write Password**

Specify the write password for the member to be registered. If the read password is specified and the write password is omitted, the read password is set as the write password. The write password is valid when the repository is a GEM file. The write password is a character string of up to eight characters from A to Z, \$, #, @, and 0 to 9. The first character must not be a number.

### **Confirm Write Password**

Enter the write password again for confirmation.

### **Notes:**

- If only the read password is specified, the write password is assumed to be the same as the read password specified.

### **See Also**

[Add](#)

[File\(Add\)](#)

## Check Out

The check out command copies member data from the repository to the mapped work space for editing.

The original resources in the repository are controlled so that they can only be updated by checking in a checked out file. The checked out file in the work space is also protected until changes are checked in to the repository or the check out command is canceled. Commands such as retrieve or delete are disabled for the checked out file.

The code of the text copied to the work space file is converted according to the code information defined for the work space.

### Work Space Name

Displays the work space name (folder name) that contains the selected work space file name.

### File Name

Displays the work space file name selected when the check out command was invoked.

### File Password

If the global server repository is protected with a file password, specifies the file password.

### Write Password

Specifies the write password, if the retrieved member is protected with a write password.

### Level

Specifies the level of the member to be brought to the work space. The version level specified with the [set version level command](#) can be specified here as well. The default is the level specified with the [set start up environment command](#). The latest level can be fetched by specifying 0. This option is available when the repository is a local machine or a global server GEM file.

### Notes:

- A resource already brought to the work space file by the check out command cannot be retrieved again. To retrieve a resource which has been checked out, first run the [cancel check out command](#), then retrieve.
- A member which has [MASTER status](#) cannot be checked out from an global server GEM library.
- Even if a member is checked out from the global server GEM library, the INCLUDE control statement within the member is not expanded. PowerGEM handles the GEM INCLUDE control statement as a data record.

## **Cancel Check Out**

The cancel check out command cancels the check out of member data which was brought to the work space for editing.

Note that the work space file attribute is modified to read only.

### **Work Space Name**

Displays the work space name (folder name) that contains the selected work space file name.

### **File Name**

Displays the work space file name selected when the cancel check out command was invoked.

### **File Password**

If the global server repository is protected with a file password, specifies the file password.

### **Write Password**

Specifies the write password, if the cancel check out member is protected with a write password.



## Check In

The check in command saves file changes to the mapped repository.

### Work Space Name

Displays the work space name (folder name) that contains the selected work space file name.

### File Name

Displays the work space file name selected when the check in command was invoked.

### Update User

Specifies the name of the person who updated the file.

This option is valid when the repository is a local GEM file. This option cannot be specified for an global server repository. If an global server code is specified, the update user must be an uppercase alphanumeric letter, \$, #, or @, and consisting of up to 8 characters that may include uppercase alphabetic letters, numbers (0 to 9). In other cases, any character string is accepted.

The default is the update user specified with the [set start up environment command](#). If the update user is omitted, it is not set.

### File Password

If the global server repository is protected with a file password, specifies the file password.

### Write Password

Specifies the write password, if the member is protected with a write password.

### Comments

Specifies a comment to be saved. The comment specified here is displayed in the member description of the [history command](#).

The default is the comments specified with the set start up environment command. This option is valid when the repository is a GEM file.

### Title

Specifies the title, if the title is modified at check in.

Specify a byte string of up to 50 bytes.

This option is valid when the repository is a local GEM file.

### Continue Check Out

Specifies whether to continue the check out after the edit result is saved.

If the check box is selected, the check out continues.

The check box default is empty.

### Forced Check In

For a text format file, specifies whether to check in without an update or whether to check in with the same file date.

If the check box is selected, updates the file date in the repository.

The previously selected value is the default for the check box.

The default is the forced check in specified with the set start up environment command.

This option is available when the repository is a local GEM file.

**Notes:**

- If the repository is a local GEM file, files not updated cannot be checked in unless forced check in is specified.
- If the repository is an global server GEM file, a record whose first column is a hyphen (-) cannot be checked in.
- The maximum comment length is 80 bytes. However, if an global server code is specified, the maximum length is 80 bytes in EBCDIC code.

## **Delete**

The delete command deletes a repository member and mapped work space file. It can also be used to delete only the work space file.

Deleting a resource releases the map at the same time.

A resource which has been checked out cannot be deleted.

### **Work Space Name**

Displays the work space name (folder name) that contains the selected work space file name.

### **File Name**

Displays the work space file name selected when the delete command was invoked.

### **File Password**

If the global server repository is protected with a file password, specifies the file password.

### **Write Password**

Specifies the write password, if the member to be deleted is protected with a write password.

### **Delete Work Space File Only**

Specifies whether to delete only the work space file.

If the check box is selected, only the work space file will be deleted.

The default is the delete work space file only specified with the [set start up environment command](#).

### **Notes:**

- If the repository is an global server sequential file:

    If a sequential file is deleted, mapping to the work space is released.

- If a version level has been specified with the [set version level command](#), repository members cannot be deleted. Cancel the specified version level before deleting members.

## **Retrieve**

The retrieve command retrieves repository member data to the specified work space for reference only. Retrieved resources cannot be updated in the work space.

Resources obtained by the [check out command](#) to the same work space file, cannot be retrieved.

The code of the text fetched to the work space file is converted according to the code information defined for the work space.

### **Work Space Name**

Displays the work space name (folder name) that contains the selected work space file name.

### **File Name**

Displays the work space file name selected when the retrieve command was invoked.

### **File Password**

If the global server repository is protected with a file password, specifies the file password.

### **Read Password**

If the member to be fetched is protected with a read password, specifies the read password.

### **Level**

Specifies the level of the member to be brought to the work space. The version level specified with the [set version level command](#) can be specified here as well. The default is the level specified with the [set start up environment command](#). The latest level can be fetched by specifying 0. This option is available when the repository is a local machine or a global server GEM file.

### **Notes:**

- If a member is fetched from the global server GEM library, INCLUDE control statements within the member are not expanded. PowerGEM handles the GEM INCLUDE control statement as a data record.
- If the member to be fetched is protected both with a read password and a write password, a write password specified as the read password is valid.

## **History**

The history command displays [update history information](#) for any level from member registration to the latest level. The command can also output update history information to a file.

The output contents of the history command are explained below.

This option is valid when the repository is a local GEM file.

### **Work Space Name**

Displays the work space name (folder name) active or selected when the history command was invoked.

### **File Name**

Displays the work space file name selected when the history command was invoked.

### **Read Password**

If the member to be fetched is protected with a read password, specifies the read password.

### **Notes:**

- If the member to retrieve is protected both with a read password and a write password, a write password specified as the read password is valid.

### **See Also**

[Output Condition\(History\)](#)

[Output Destination\(History\)](#)

[Output Format\(History\)](#)

## Output Condition(History)

The output conditions of the history command are explained below.

### Output Range

Specifies the output range of control update information by level range or update date range. The output ranges that can be specified are shown below.

Current level : All levels currently held are output.

Level : Specifies the output range by level. If the start level is 0 is specified, level 1 is assumed as the start level. If the start level is specified and the end level is omitted, the end level is assumed to be the same as the start level. If the start and the end levels are both omitted, the output range is assumed to be from level 1 to the latest level.

Update date : Specifies the output range by update date. If the end date is omitted, the start date is also the end date. Initial display is from 01/01/1980/00:00:00 to current date and time.

### Output Information

Specifies the content to be output.

The content can be:

Comments : Comments are output.

Data Record : Control update information for data records is output.

Updated Record : Control update information for updated records within the specified range is output. The default is all records.

### Notes:

- For binary format data type (SMD, OVD, FFD, BINARY), data records and updated records are not output.

### See Also

[History](#)

[Output Destination\(History\)](#)

[Output Format\(History\)](#)

## **Output Destination(History)**

**The output destination of the history command is explained below.**

### **Output Destination**

Specifies display or file output.

### **Folder Name**

Displays the absolute path name as the folder name.

The current folder is displayed as the default.

### **File Name**

Specifies the output file name.

If a relative path name is specified, the folder name displayed in the folder is appended.

Press the browse button to select a file name.

### **See Also**

[History](#)

[Output Condition\(History\)](#)

[Output Format\(History\)](#)

## **Output Format(History)**

The output format for the history command is explained below.

### **Library name**

Displays the GEM library that contains the member whose history is displayed.

### **Member name**

Displays the member name whose history is displayed.

### **Level, Update or Registered date, Update user name**

Displays the update date and time for each level (level 1: registered date) and comment information.

- Level number
- Update or registered date
- Update user name With level 1, "registered date" is displayed.
- Displays comment information for each level. Comment information at registering or updating.

### **Insert level, Delete level, Update Date, Sequence, History**

Displays update information for each data record. The insertion level and deletion level are displayed for the updated record.

Insert level : Level in which the record was inserted.

Delete level : Level in which the record was deleted. The level in which the deleted record was inserted is also displayed.

Update Date : Date and time the record was inserted or deleted.

Sequence : Record sequence number. If no sequence number is set, a relative number is displayed.

History : Contents of updated-record text.

### **Notes:**

- "Registered date and time" is the date and time that a work space file was added. Other dates and times are the dates and times that a work space file was checked in.

[History](#)

[Output Condition\(History\)](#)

[Output Destination\(History\)](#)



## **Display File List**

The display file list command sends information retained by the [work space management file](#) to the screen or to a file.

- Member name list (file name for global server sequential files) of repository mapped work space
- Status of work space files
- Target repository
- Codes, etc.

## **Work Space Name**

Displays the work space name (folder name) selected when the display file list command was invoked.

## **See Also**

[Output Destination\(Display File List\)](#)

[Output Format\(Display File List\)](#)

## **Output Destination(Display File List)**

The output destination of the display file list command are explained below.

### **Output Destination**

Specifies display or file output.

### **Folder Name**

Displays the absolute path name of the folder name selected using the Browse dialog box.

The current folder is displayed as the default.

### **File Name**

Specifies the output file name.

If a relative path name is specified, the folder name displayed in the folder is appended.

Press the browse button to select a file name.

### **See Also**

[Display File List](#)

[Output Format\(Display File List\)](#)

## **Output Format(Display File List)**

The output format for the display file list command is explained below.

### **Work space name**

Work space names selected in the list operation (folder names) are displayed.

### **Repository name**

The folder name or file name in the repository is displayed.

### **System name**

The system name of the repository is displayed.

System names are:

Windows : Windows

GS : Global server

### **File type**

The file type of the repository is displayed.

File types are:

GEM : GEM file

PO : Partitioned file

PS : Sequential file

### **File name**

The work space file name is displayed.

### **Status**

The work space status is displayed.

Status types are:

MAPPED : Only mapped

CHECKEDOUT : Checked out

RETRIEVED : Retrieved

### **Level**

The fetched file level is displayed.

### **Repository member**

The repository member name is displayed.

### **Class**

The data class is displayed.

Data classes are:

TEXT : Text data

BIN : Binary data

### **Type**

The language type is displayed.

### **See Also**

Display File List

Output Destination(Display File List)

## Compare

The compare command compares the contents of the work space file and the contents of the mapped local or global server repository member (or file content for an global server sequential file). The command displays the compared result or outputs it to a file. If a GEM file is mapped as the repository, any level can be compared.

Combinations of item that can be compared are:

- Two levels of a GEM file member
- A work space file and any level of a GEM file member that is mapped to the work space file
- A Work space file and a member or sequential file that is mapped to the work space file

### Work Space Name

Displays the work space name (folder name) that contains the selected work space file name.

### File Name

Displays the work space file name selected when the compare command was invoked.

### Compare Level 1

If the repository is a GEM file, specifies the level of the comparison source. The version level specified with the [set version level command](#) can be specified here as well. If this option is omitted or 0 is specified, the latest level is assumed to have been specified.

### Compare Level 2

If the repository is a GEM file, specifies the level of the comparison target. If this option is omitted, the work space file is assumed to have been specified.

### Read Password

If the member to be compared is protected with a read password, specifies the read password.

### Notes:

- If the member to retrieve is protected both with a read password and a write password, a write password specified as the read password is valid.

### See Also

[Output Destination\(Compare\)](#)

[Output Format\(Compare\)](#)

## **Output Destination(Compare)**

The output destination of the compare command are explained below.

### **Output Destination**

Specifies display or file output.

### **Folder Name**

Displays the absolute path name of the folder name selected using the Browse dialog box.

The current folder is displayed as the default.

### **File Name**

Specifies the output file name.

If a relative path name is specified, the folder name displayed in the folder is appended.

Press the browse button to select a file name.

### **See Also**

[Compare](#)

[Output Format\(Compare\)](#)

## **Output Format(Compare)**

The following change items are posted as the comparison results to the comparison source text:

- Added data and added data position
- Deleted data position
- Replacement data and replaced data position

### **- INS nnnnnnnn**

Additional text data

INS indicates the new text was added. Additional text is displayed on subsequent lines.

"nnnnnnnn" indicates a text position with relative number. If TOP is shown as the relative number, text has been added before the first line.

### **- DEL nnnnnnnn [: nnnnnnnn]**

DEL indicates the text was deleted.

If consecutive text areas are deleted, the deleted text range is displayed in format of "start-relative-number : last-relative-number".

### **- REP nnnnnnnn**

Replacement text data

REP indicates the text was replaced. Replacement text is displayed on subsequent lines.

### **See Also**

[Compare](#)

[Output Destination\(Compare\)](#)

## **Select File or Member**

Selects a file or a member.

### **Specname**

Displays the specname associated with the displayed file list. If the file name is omitted, the user ID is assumed as the specname.

### **File Name**

Specifies the file name.

The following can be used as the file name.

File Name : Displays a member list window when a GEM or a partitioned file is specified.

Specname.% : Displays a file list headed by spec-name. Simple names (up to eight alphanumeric characters beginning with a letter) delimited by periods can be specified as the spec-name.

If a file name is specified without enclosing quotation marks and the "Strings to be Added" is specified in "Set LOGON Information" in the Options menu, the character string specified in the "Strings to be Added" is added to the beginning of the file name.

If the file name is enclosed in quotation marks or if "Strings to be Added" is not specified, then the specified file name is used as is.

Selecting a file name in the file list box displays the selected file name.

### **Member Name**

Specifies the member name.

Selecting a member name in the member list box displays the selected member name.



**Select Member**

Selects a member.

**File Name**

Displays the file name.

**Member Name**

Specifies the member name.

Selecting a member name in the member list box displays the selected member name.

## **GEM Utility**

The [GEM Utility](#) selects GEM library or environment operations.

### [Create GEM Library](#)

Displays the Create [GEM Library](#) dialog box.

### [Delete GEM Library](#)

Displays the Delete GEM library dialog box.

### [Modify Member Information](#)

Displays the Modify Member Information dialog box.

### [Set Version Level](#)

Displays the Set Version Level dialog box.

### [Search String](#)

Displays the search string dialog box.

### [Count Comments](#)

Displays the Count comments dialog box.

### [Display Member Information](#)

Displays the Display Member Information dialog box.

### [Display Development History](#)

Displays the Display Development History dialog box.

### [Display Production Amount](#)

Displays the Display Product Amount dialog box.

### [Set Environment](#)

Displays the Set Environment dialog box.

### [Set Start Up Environment](#)

Displays the Set Start Up Environment dialog box.

## **Create GEM Library**

The create GEM library command creates a new local GEM library.

### **Folder Name**

Displays the absolute path name of the folder name selected from the list box.

### **Library Name**

Specifies the library name of the GEM library to be created. If a relative path name is specified, the folder name displayed in "folder" is added.

### **Library Password**

Specifies the library password for the GEM library being created. The library password must be a string consisting of up to eight alphanumeric characters and symbols (A to Z, 0 to 9, \$, #, and @). However, note that the first character of the library password must not be a number.

### **Confirm Library Password**

Enter the library password again for confirmation.

### **Notes:**

- A library password is required when the manager functions are to be used.

## **Delete GEM library**

The delete GEM library command deletes the specified local GEM library.

### **Folder Name**

Displays the absolute path name of the folder name selected from the list box.

### **Library Name**

Specifies the library name of the GEM library to be deleted. If a relative path name is specified, the folder name displayed in "folder" is added.

Press the browse button to display the [Select Library](#) dialogue box.

### **Library Password**

Specifies the library password of the GEM library to be deleted.

## **Modify Member Information**

The modify member information command is for modifying information related to a member registered in the specified local GEM library.

### **Folder Name**

Displays the absolute path name of the folder name selected from the list box.

### **Library Name**

Specifies the name of the GEM library containing the member whose information is to be modified. If a relative path name is specified, the folder name displayed in "folder" is added.

### **Library Password**

Specifies a library password for the library manager. If a library password is specified, passwords need not be specified for individual members.

### **Member Name**

Specifies the name of the member whose information is to be modified. A wild card can be specified. If the member name is omitted, all members in the library are modified.

Press the browse button to display the [select library or member](#) dialog box.

### **Write Passwords**

Specifies write passwords, if the GEM library member names are protected by write passwords. Delimit write passwords with blanks or commas.

### **Notes:**

- The information of a member having a "check out" status cannot be modified. However, this command can be specified at the same time when the check out status is canceled.

### **See Also**

[Owner Name\(Modify Member Information\)](#)

[Security\(Modify Member Information\)](#)

## **Owner Name(Modify Member Information)**

The owner names for the modify member information command are explained below.

### **Owner Name**

Specifies whether the owner name is to be modified or deleted.

### **New Owner Name**

Specifies the name of the new owner when modifying a current owner name.

### **See Also**

[Modify Member Information](#)

[Security\(Modify Member Information\)](#)

## **Security(Modify Member Information)**

The security information related to the modify member information command is explained below.

### **New Read Password**

Specifies the new read password when modifying a current read password.

### **Confirm Read Password**

Enter the new read password again for confirmation.

### **New Write Password**

Specifies the new write password when modifying a current write password.

### **Confirm Read Password**

Enter the new write password again for confirmation.

### **Cancel Check Out Status**

Used when the check out status cannot be canceled by the [cancel check out command](#) (e.g., when the work space file checked out has been deleted).

### **Notes:**

- When deleting a read password, the space for new read password and the space for confirming read password must be cleared.
- When deleting a write password, the space for new write password and the space for confirming write password must be cleared. If a read password has been set, the write password cannot be deleted alone.

### **See Also**

[Modify Member Information](#)

[Owner Name\(Modify Member Information\)](#)

## **Set Version Level**

The set version level command sets or deletes the version level of a member registered in the specified local GEM library.

### **Folder Name**

Displays the absolute path name of the folder name selected from the list box.

### **Library Name**

Specifies the name of the GEM library containing the member whose version level is to be set. If a relative path name is specified, the folder name displayed in "folder" is added.

### **Library Password**

Specifies a library password for the library manager. If a library password is specified, passwords need not be specified for individual members.

### **Member Name**

Specifies the name of the member for which the version level is to be set.. A wild card can be specified. If the member name is omitted, all members in the library are searched.

Press the browse button to display the [select library or member](#) dialogue box.

### **Write Passwords**

Specifies write passwords, if the GEM library member names are protected by write passwords. Delimit write passwords with blanks or commas.

### **Notes:**

- The version level of a member having a check out status cannot be set or deleted.

### **See Also**

[Version Level\(Set Version Level\)](#)



## **Version Level(Set Version Level)**

The version level related to the set version level command is explained below.

### **Version Level**

Specifies the version level to be set or deleted. The version level is specified with a string consisting of up to eight alphanumeric characters and symbols (A to Z, 0 to 9, \$, #, and @). However, the first character of the version level must not be a number. Version levels already specified cannot be specified again.

### **Target Level**

Specifies the level of the member for whom the version level is to be set. If this option is omitted, the latest level is assumed to have been specified.

### **See Also**

[Set Version Level](#)

## **Search String**

The search string command searches the text which is registered in the specified local GEM library for a character string and displays the search result or outputs the search result to a file.

### **Folder Name**

Displays the absolute path name of the folder name selected from the list box.

### **Library Name**

Specifies the library name of the GEM library to search. If a relative path name is specified, the folder name displayed in "folder" is added.

### **Library Password**

Specifies a library password for the GEM library for character string search. If a library password is specified, passwords need not be specified for individual members.

### **Member Name**

Specifies the member name of the GEM library to search. A wild card can be specified. If the member name is omitted, all members in the library are searched. A member whose data type is binary cannot be searched.

Press the browse button to display the [select library or member](#) dialog box.

### **Read Passwords**

Specifies read passwords, if the GEM library member names are protected by read passwords. Delimit read passwords with blanks or commas.

### **Search String**

Specifies the search string.

### **Notes:**

- If the member to be searched is protected with both a read password and a write password, a write password specified as the read password is valid.

### **See Also**

[Search Condition\(Search String\)](#)

[Output Destination\(Search String\)](#)

[Output Format\(Search String\)](#)

## Search Condition(Search String)

**The conditions available for the search string command are explained below.**

### Level

Specifies the level to search. Text that has the specified level will be searched. The version level specified with the [set version level command](#) can be specified here as well. The default search level is "latest level".

### Sequence Number Range

Specifies the range of records to search by sequence number. To specify the first record of a member, specify "1". To specify the last record of a member, specify "99999999".

If a sequence number is not used in the member, specify the relative record number instead of the sequence number.

If the search sequence number range is omitted, all records will be searched.

### String Condition

Specifies conditions that must be matched in the search.

Specify the search conditions using specific delimiters. Delimiters are space, parentheses, quotation mark, comma, and period.

Character : The search string matches no matter where it appears within the text.

Word : The search string matches only when used as an entire word.

Prefix : The search string matches only when it is at the beginning of the word.

Suffix : The search string matches only when it is at the end of the word.

### Search Except Comments

Specifies that comment character strings or comment lines will not be searched.

Whether comments exist in the member text depends on the member data type. Handling of comment character strings and comment lines where they exist conforms to the comment description format of each text.

### See Also

[Search String](#)

[Output Destination\(Search String\)](#)

[Output Format\(Search String\)](#)

## **Output Destination(Search String)**

In options, the output method is specified.

### **Output Destination**

Specifies display or file output.

### **Folder Name**

Displays the absolute path name of the folder name selected using the Browse dialog box.

The current folder is displayed as the default.

### **File Name**

Specifies the output file name.

If a relative path name is specified, the folder name displayed in the folder is appended.

Press the browse button to select a file name.

### **See Also**

[Search String](#)

[Search Condition\(Search String\)](#)

[Output Format\(Search String\)](#)

## **Output Format(Search String)**

This explains the output format of a character string search.

- Library name : Displays the GEM library which was searched for the character string.
- Member name : Displays the member name searched.
- Level : Displays the searched level.
- Search result : Displays the sequence number and text of any records that contain the search string.
- Search string : Displays the specified search string.
- Sequence range : Displays the range of sequence numbers searched.
- Condition : Displays the specified string condition.
  - Character : Character string
  - Word : Word
  - Prefix : Beginning of word
  - Suffix : End of word
- Comment : Displays the handling of comment character strings.
  - Target : Specifies that comment character strings or comment lines were also searched.
  - Non-target : Specifies that comment character strings or comment lines were not searched.

### **See Also**

[Search String](#)

[Search Condition\(Search String\)](#)

[Output Destination\(Search String\)](#)

## **Count Comments**

The count comments command sums the number of comment lines within each member of the specified local GEM library and displays the results or outputs the results to a file.

### **Folder Name**

Displays the absolute path name of the folder name selected from the list box.

### **Library Name**

Specifies the library name of the GEM library to count comments. If a relative path name is specified, the folder name displayed in "folder" is added.

### **Library Password**

Specifies a library password for the GEM library for count comments. If a library password is specified, passwords need not be specified for individual members.

### **Member Name**

Specifies the member name of the GEM library. A wild card can be specified. If member name is omitted, the comment lines of all members registered in the library will be summed. A member whose data type is binary cannot be checked.

Press the browse button to display the [select library or member](#) dialog box.

### **Read Passwords**

Specifies read passwords, if the GEM library members are protected by read passwords. Delimit read passwords with blanks or commas.

### **Notes:**

- If the member to sum is protected both with a read password and a write password, a write password specified as the read password is valid.

### **See Also**

[Count Condition\(Count Comments\)](#)

[Output Destination\(Count Comments\)](#)

[Output Format\(Count Comments\)](#)

## **Count Condition(Count Comments)**

**The count conditions of the count comments command are explained below.**

### **Level**

Specifies the level. Text that has the specified level will be checked. The version level specified with the [set version level command](#) can be specified here as well.

The default level is "latest level".

### **Data Type**

Specifies the data type of the member text. Comment lines that match the specified data type will be summed.

Specify C, CAPE, COBOL, FREECOB, FORT, or YPS.

The default is the data type set for the member.

### **See Also**

[Count Comments](#)

[Output Destination\(Count Comments\)](#)

[Output Format\(Count Comments\)](#)

## **Output Destination(Count Comments)**

**The output destination of the count comments command is explained below.**

### **Output Destination**

Specifies display or file output.

### **Folder Name**

Displays the absolute path name of the folder name selected using the Browse dialog box.

The current folder is displayed as the default.

### **File Name**

Specifies the output file name.

If a relative path name is specified, the folder name displayed in the folder is appended.

Press the browse button to select a file name.

### **See Also**

[Count Comments](#)

[Count Condition\(Count Comments\)](#)

[Output Format\(Count Comments\)](#)



## **Output Format(Count Comments)**

This explains the output format of the count comments command.

Library name	: Displays the GEM library whose comment lines were summed.
Member name	: Displays the member name.
Records	: Displays the number of valid records.
Instruct	: Displays the number of instruction line records (text other than comment lines).
Comment	: Displays the number of comment line records.
Rate(%)	: Displays the ratio of comment line records to valid records as a percentage.
Type	: Displays the language type (data type).
Total	: Displays the overall data for the library.

### **See Also**

[Count Comments](#)

[Count Condition\(Count Comments\)](#)

[Output Destination\(Count Comments\)](#)

## **Display Member Information**

The display member information command displays the information on a member registered in the specified local GEM library, and outputs the information to a file.

### **Folder Name**

Displays the absolute path name of the folder name selected from the list box.

### **Library Name**

Specifies the name of the GEM library containing the member whose information is to be displayed. If a relative path name is specified, the folder name displayed in "folder" is added.

### **Library Password**

Specifies a password of the GEM library containing the member whose information is to be displayed. If a library password is specified, passwords need not be specified for individual members.

### **Member Name**

Specifies the member name of the GEM library. A wild card can be specified. If member name is omitted, the information of all members registered in the library will be displayed.

Press the browse button to display the [select library or member](#) dialog box.

### **Read Passwords**

Specifies read passwords, if the GEM library members are protected by read passwords. Delimit read passwords with blanks or commas.

### **Notes:**

- If the member to sum is protected both with a read password and a write password, a write password specified as the read password is valid.

### **See Also**

[Output Condition\(Display Member Information\)](#)

[Output Destination\(Display Member Information\)](#)

[Output Format\(Display Member Information\)](#)

## Output Condition(Display Member Information)

The output contents of the display member information command are explained below.

### Output Condition

Specify "Detail" to display all information on the member, or specify "List" to select the information to be displayed.

### Displayed Information

Registered Date	: Displays the date of registration.
Latest Update Date	: Displays the date of last update.
Data Type	: Displays the data type.
Owner Name	: Displays the owner name.
Level	: Displays the latest level.
Record Length	: Displays the record length.
Record Format	: Displays the record format.
Status	: Displays the status.
Kept Level Count	: Displays the number of levels currently kept.
Max Kept Level	: Displays the maximum number of levels that can be kept.
Valid Record Count	: Displays the number of valid records.
Register Record Count	: Displays the number of records existing at the time of registration.
Insert Record Count	: Displays the number of records inserted since the time of registration until the current level is reached.
Delete Record Count	: Displays the number of records deleted since the time of registration until the current level is reached.
Total Used Record Count	: Displays the total number of used records.
Member Size	: Displays the member size in bytes.
Sequence Number	: Displays the starting column and the length of the sequence number field.
Total Update Count	: Displays the total number of updates made since the time of registration.
Storage Code	: Displays the text code.
Global Server Code	: Displays the global server code.
Check Out Information	: Displays the check out information (check out date and level, login name of the user who checked out, and output code).
Check In Information	: Displays the check in information (check in date and level).
Version Level	: Displays the member level in use during the effective period of the version level specified. When the version level is omitted, the command displays the member level in use during the effective period of the latest version level.

### See Also

[Display Member Information](#)

Output Destination(Display Member Information)

Output Format(Display Member Information)

## **Output Destination(Display Member Information)**

**The output destination of the display member information command is explained below.**

### **Output Destination**

Specifies display or file output.

### **Folder Name**

Displays the absolute path name of the folder name selected using the Browse dialog box.

The current folder is displayed as the default.

### **File Name**

Specifies the output file name.

If a relative path name is specified, the folder name displayed in the folder is appended.

Press the browse button to select a file name.

### **See Also**

[Display Member Information](#)

[Output Condition\(Display Member Information\)](#)

[Output Format\(Display Member Information\)](#)

## Output Format(Display Member Information)

The output format for the display member information command is explained below.

Library name	: Displays the name of the GEM library containing the member whose information is displayed.
Registered date	: Displays the date of registration.
Latest update date	: Displays the date of last update.
Data type	: Displays the data type.
Owner name	: Displays the owner name.
Level	: Displays the latest level.
Record length	: Displays the record length.
Record format	: Displays the record format.
Status	: Displays the status.
Kept level count	: Displays the number of levels currently kept.
Max kept level	: Displays the maximum number of levels that can be kept.
Valid records	: Displays the number of valid records.
Registered records	: Displays the number of records existing at the time of registration.
Insert records	: Displays the number of records inserted since the time of registration until the current level is reached.
Delete records	: Displays the number of records deleted since the time of registration until the current level is reached.
Total records	: Displays the total number of used records.
Member size	: Displays the member size in bytes.
Sequence Pos/Len	: Displays the starting column and the length of the sequence number field.
Total update count	: Displays the total number of updates made since the time of registration.
Storage code	: Displays the text code.
Global server code	: Displays the global server code.
Check out date	: Displays the check out date.
level	: Displays the check out level.
user name	: Displays the check out login user name.
output code	: Displays the check out output code.
Check in date	: Displays the check in date.
level	: Displays the check in level.
Version level	: Displays the member level in use during the effective period of the version level specified. When the version level is omitted, the command displays the member level in use during the effective period of the latest version level.

When the "List" is specified for two or more members, total information is displayed.

The character "\*" is displayed in a meaningless item.

### See Also

Display Member Information

Output Condition(Display Member Information)

Output Destination(Display Member Information)

## **Display Development History**

The development history command compiles statistic data on members registered in the local GEM library specified. It displays the compiled data as the development history and outputs it to a file.

### **Folder Name**

Displays the absolute path name of the folder name selected from the list box.

### **Library Name**

Specifies the name of the GEM library containing the member whose development history is to be displayed. If a relative path name is specified, the folder name displayed in "folder" is added.

### **Library Password**

When a password has been registered for the GEM library for which the development history is to be displayed, specifies the registered password.

### **Member Name**

Specifies the member name of the GEM library. A wild card can be specified. If member name is omitted, the development histories of all members registered in the library will be displayed.

Press the browse button to display the [select library or member](#) dialog box.

### **See Also**

[Output Condition\(Display Development History\)](#)

[Output Destination\(Display Development History\)](#)

[Output Format\(Display Development History\)](#)



## **Output Condition(Display Development History)**

**The output contents of the display development history command are explained below.**

### **Date Range**

Specifies the date range for sum of development history.

All : From the date of GEM library creation to the present.

Update Date : Specify the start date and the end date for sum of development history.  
Initial display is from 01/01/1980/00:00:00 to current date and time.

### **Interval**

Specifies the interval for which development history is to be summed.

Month : Development history is summed once a month.

Days : Specify the desired number of days. Specify a number between 1 to 10 inclusive.

### **See Also**

[Display Development History](#)

[Output Destination\(Display Development History\)](#)

[Output Format\(Display Development History\)](#)

## **Output Destination(Display Development History)**

**The output destination of the display development history command is explained below.**

### **Output Destination**

Specifies the format of development history output (displays, graphs, or a file).

### **Folder Name**

Displays the absolute path name of the folder name selected using the Browse dialog box.

The current folder is displayed as the default.

### **File Name**

Specifies the output file name.

If a relative path name is specified, the folder name displayed in the folder is appended.

Press the browse button to select a file name.

### **Notes:**

- The development history can be displayed in graphs only when either Microsoft® Excel for Windows® Version 5.0 or Microsoft® Excel for Windows® 95 Version 7.0 is installed in the computer. The corresponding data is stored in the clipboard.

### **See Also**

[Display Development History](#)

[Output Condition\(Display Development History\)](#)

[Output Format\(Display Development History\)](#)

## **Output Format(Display Development History)**

The output format for the display development history command is explained below.

- Library name : Displays the name of the GEM library for which the development history is displayed.
- Start date : Displays the start date from which the development history is summed.
- End date : Displays the end date up to which the development history is summed.
- Interval : Displays the period for which development history is summed.
- Date : Displays the start date of each period for which development history is summed.  
Development history information compiled prior to the start date is displayed in the first line and the corresponding dates are not displayed. For the applicable periods, the development history is shown only when there is any data to be displayed. (If no data is available for several consecutive periods, display of history data starts from the period when the data first becomes available.)
- Members : Displays the accumulated number of valid members during the period for which development history statistic data is compiled.
- Records : Displays the accumulated number of valid records of valid members during the data compiling period. (Deleted records are counted as well if they are valid during the applicable period. Inserted records are not counted unless they are inserted during the applicable period.)
- Update : Displays the total number of updates made during the applicable period.
- Add : Displays the total number of records registered during the applicable period.
- Insert : Displays the total number of records inserted (updated) during the applicable period.
- Delete : Displays the total number of records deleted (updated) during the applicable period.

### **See Also**

[Display Member Information](#)

[Output Condition\(Display Member Information\)](#)

[Output Destination\(Display Member Information\)](#)

## **Display Production Amount**

The display production amount command displays various production related statistic data for a member registered in the local GEM library specified, and outputs the data to a file.

### **Folder Name**

Displays the absolute path name of the folder name selected from the list box.

### **Library Name**

Specifies the name of the GEM library containing the member whose production amount data is to be displayed. If a relative path name is specified, the folder name displayed in "folder" is added.

### **Library Password**

When a password has been registered for the GEM library for which the production amount data is to be displayed, specifies the registered password.

### **Member Name**

Specifies the member name of the GEM library. A wild card can be specified. If member name is omitted, the production amount data of all members registered in the library will be displayed.

Press the browse button to display the [select library or member](#) dialog box.

### **See Also**

[Output Condition\(Display Production Amount\)](#)

[Output Destination\(Display Production Amount\)](#)

[Output Format\(Display Production Amount\)](#)

## **Output Condition(Display Production Amount)**

**The output contents of the display production amount are explained below.**

### **Date Range**

Specifies the date range for sum of development history.

All : From the date of GEM library creation to the present.

Update Date : Specify the start date and the end date for sum of production amount.  
Initial display is from 01/01/1980/00:00:00 to current date and time.

### **See Also**

[Display Production Amount](#)

[Output Destination\(Display Production Amount\)](#)

[Output Format\(Display Production Amount\)](#)

## **Output Destination(Display Production Amount)**

**The output destination of the display production amount command is explained below.**

### **Output Destination**

Specifies the format of production amount output (displays, graphs, or a file).

### **Folder Name**

Displays the absolute path name of the folder name selected using the Browse dialog box.

The current folder is displayed as the default.

### **File Name**

Specifies the output file name.

If a relative path name is specified, the folder name displayed in the folder is appended.

Press the browse button to select a file name.

### **Notes:**

- The production amount can be displayed in graphs only when either Microsoft® Excel for Windows® Version 5.0 or Microsoft® Excel for Windows® 95 Version 7.0 is installed in the computer. The corresponding data is stored in the clipboard.

### **See Also**

[Display Production Amount](#)

[Output Condition\(Display Production Amount\)](#)

[Output Format\(Display Production Amount\)](#)

## **Output Format(Display Production Amount)**

The output format for the display production amount command is explained below.

- Library name : Displays the name of the GEM library for which the production amount data is displayed.
- Start date : Displays the start date from which the production data is summed.
- End date : Displays the end date up to which the production data is summed.
- Member : Displays data on a per-member basis.
- Start : Displays the number of valid records at the level in effect at the time when data collection starts. The number of records is assumed to be 0 if none is registered at the start of data collection.
- End : Displays the number of valid records at the level in effect at the time when data collection ends.
- New : Displays the total number of records newly inserted during the data collecting period. Records already registered are counted as newly inserted records if none is registered at the start of data collection.
- Use : Displays the total number of records not updated during the data collecting period. Members registered after the start of data collection are also counted as records not updated at the time of registration.

### **See Also**

[Display Production Amount](#)

[Output Condition\(Display Production Amount\)](#)

[Output Destination\(Display Production Amount\)](#)

## Set Environment

In the set environment, values mapped to file extensions are set or deleted. The information set here is used as the default for adding.

### Extension

Specifies the extension to set or delete.

### Data Type

Specifies the [Data Type](#) that indicates the text type of files mapped to the extension. This option is valid when the repository is a GEM file.

The data types that can be specified are:

Data type	content	Record format	Length	Seq-number
COBOL	COBOL	Variable length	11 to 223	First 6 digits
		Fixed length	80	First 6 digits
FREECOB	COBOL	Variable length	11 to 223	None
FORT	FORTRAN77	Variable length	11 to 223	First 8 digits
		Fixed length	80	Last 8 digits
CAPE	CAPE text	Variable length	11 to 223	None
C	C	Variable length	11 to 223	None
		Fixed length	80	Last 8 digits
SQLCMD	SQL command	Fixed length	80	Last 8 digits
YPSCOB	YPSCOBOL	Variable length	11 to 223	First 8 digits
		Fixed length	80	First 8 digits
YPSFORT	YPSFORTRAN	Variable length	11 to 223	First 8 digits
		Fixed length	80	First 8 digits
YPSC	YPSC	Variable length	11 to 223	First 8 digits
		Fixed length	80	First 8 digits
YPS	YPS	Variable length	11 to 223	First 8 digits
		Fixed length	80	First 8 digits
DATA	Data	Variable length	11 to 223	None
		Fixed length	1 to 227	None
SMD	Screen & form descriptor		Fixed length 256	None
OVD	Overlay definition	Fixed length	128	None
FFD	File definition	Fixed length	1 to 256	None
BINARY	Binary data	Fixed length	1 to 256	None

### Record Format

Specifies the [record format](#) of the file to be registered.

Default : The default is determined according to the PowerGEM environment definition file.

Variable : Variable-length record format file.

Fixed : Fixed-length record format file.

### Record Length



Specifies the [record length](#) of the file to be registered.

If the default record format is used, 0 is displayed.

Variable length : 11 to 223

Fixed length : 1 to 227

### **Sequence Number**

Specifies whether there is a sequence number, and also specifies the sequence number position.

When a variable-length record format is used, only the beginning of the record can be specified.

None : There is no sequence number.

Top : The sequence number is located at the beginning of the record.

Bottom : The sequence number is located at the end of the record.

### **Sequence Number Length**

Specifies a sequence number length (6 or 8).

## **Set Start Up Environment**

In the start up environment, command defaults are set and changed.

### **Comments**

Specifies the default comments for "Add" and "Check In".

### **Owner**

Specifies the default owner name for "Add".

### **Update User**

Specifies the default update user name for "Check In".

### **Max Kept Level**

Specifies the default maximum kept level for "Add".

### **Level**

Specifies the default level for "Check Out" and "Retrieve". The version level specified with the [set version level command](#) can also be used.

### **Compression**

Specifies the default file compression method for "Add". Either "standard" or "none" can be specified.

### **Continue Check Out When Adding**

Specifies whether to resume the check out status for "Add".

### **Continue Check Out When Checking In**

Specifies whether to resume the check out status for "Check In".

### **Forced Check In**

Specifies whether to "check in" regardless of whether the text or binary data has been updated.

### **Delete Work Space File Only**

Specifies whether to delete only work space files when "Delete" is specified.

## **Select Library or Member**

Selects a library or a member.

### **Folder Name**

Displays the absolute path name of the folder name.

### **Library Name**

Specifies the library name.

Select a library from libraries to display the selected library.

### **Member Name**

Specifies the member name.

Select a member from members to display the selected member.

**Select Library**

Selects a library.

**Folder Name**

Displays the absolute path name of the folder name.

**Library Name**

Specifies the library name.

Select a library from libraries to display the selected library.

