



MMS Incremental Backup Example

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1. Type GO LXIBMS/LXIBMS from any OS/400 command line and press Enter.

```
MAIN                                IBM i Main Menu                                System:  S78A99E0
Select one of the following:
  1. User tasks
  2. Office tasks
  3. General system tasks
  4. Files, libraries, and folders
  5. Programming
  6. Communications
  7. Define or change the system
  8. Problem handling
  9. Display a menu
 10. Information Assistant options
 11. IBM i Access tasks
 90. Sign off
Selection or command
===> go lxibms/lxibms
-----
F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel  F13=Information Assistant
F23=Set initial menu
(C) COPYRIGHT IBM CORP. 1980, 2018.
MA B                                MW                                20/023
```

2. This displays the MMS Backup menu.

```
Scheduler  Go  Help
-----
LXIBMS                                Backup                                System:  S78A99E0
Select one of the following:
  1. Work with Backup
  2. Work with Backup Definition
  3. Work with Backup Status
  5. Work with Omit List
 10. Reports
Related Commands Menus
 79. Backup Commands                                CMDBKUP
 80. Backup Definition Commands                    CMDBKUPDFN
 81. Omit List Commands                            CMDOMITL
                                                    More...
Selection or command
===>
-----
F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel
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MA B                                MW                                21/007
```



MMS Incremental Backup Example 2

- Backup definitions define the devices that MMS uses during a save function. MMS backup definitions can be viewed and managed by selecting **Option 2** from the Backup main menu or using the **LXIBMS/WRKKBUPDFN** command.

```
Scheduler  Go  Help
-----
LXIBMS                               Backup                               System:  S78A99E0
Select one of the following:

  1. Work with Backup
  2. Work with Backup Definition
  3. Work with Backup Status

  5. Work with Omit List

 10. Reports

Related Commands Menu
 79. Backup Commands
 80. Backup Definition Commands
 81. Omit List Commands

Selection or command
===> 2

CMDBKUP
CMDBKUPDFN
CMDOMITL
More...

F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel
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MA B MW 21/008
```

- Backup definitions can be added by selecting **Option 1** and specifying a new backup definition name and pressing **Enter**.

```
Work with Backup Definition

Position to . . _____ Starting characters
Type options, press Enter.
  1=Add  2=Change  3=Copy  4=Delete  5=Display

Opt  Definition -----Text-----
  1  IAPVRT01
  -  *DFT      Default Backup Definition

Bottom

Selection or command
===>

F3=Exit  F4=Prompt  F9=Retrieve  F11=View 2  F12=Cancel
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MA B 09/015
```



- 5. Selecting **Option 1** and pressing **Enter** prompts the Add Backup Definition (LXIBMS/ADDBKUPDFN) command. Press **F1** for additional Help. Change the parameters as needed and press **Enter** when complete.

```

Add Backup Definition (ADDBKUPDFN)

Type choices, press Enter.

Backup definition . . . . . > TAPVRT01      Name
Device . . . . . tapvrt01                Name
+ for more values
End of tape option . . . . . *UNLOAD      *LEAVE, *REWIND, *UNLOAD
Use optimum block . . . . . *YES         *YES, *NO
Journaled objects . . . . . *NO         *NO, *YES
Target release . . . . . *CURRENT      *CURRENT, *PRV, VTR1M0...
Clear . . . . . *NONE                 *NONE, *ALL, *AFTER, *REPLACE
Object pre-check . . . . . *NO         *NO, *YES
Save active:
  Object link . . . . . *NO            *NO, *YES, *SYNC
  Folder . . . . . *NO                *NO, *YES
  Library . . . . . *NO               *NO, *LIB, *SYNCLIB, *SYSDFN

More...
F3=Exit  F4=Prompt  F5=Refresh  F10=Additional parameters  F12=Cancel
F13=How to use this display  F24=More keys

MMS B 06/045
```

- 6. This adds device TAPVRT01 to the list of MMS backup definitions.

```

Work with Backup Definition

Position to . . . Starting characters
Type options, press Enter.
  1=Add  2=Change  3=Copy  4=Delete  5=Display

Opt  Definition  -----Text-----
-   *DFT         Default Backup Definition
-   TAPVRT01     Virtual Tape Library TAPVRT01

Bottom

Selection or command
===>

F3=Exit  F4=Prompt  F9=Retrieve  F11=View 2  F12=Cancel
MMS/bms - Backup definition TAPVRT01 added.

MMS B 09/003
```



MMS Incremental Backup Example

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7. MMS backups define the type of data to save. To access backups, select **Option 1** from the Backup main menu or use the **LXIBMS/WRKBKUP** command.

```
Work with Backup

Position to . . _____ Starting characters

Type options, press Enter.
 1=Add      2=Change  3=Copy   4=Delete  5=Work with  6=Run   7=Rename
 8=Volume   9=Definition 10=Job   11=Schedule 13=History  15=Commands

Opt Backup -----Text-----
 1  *AUTO      Default Backup Definition

Bottom

Selection or command
==> _____

F3=Exit      F4=Prompt  F9=Retrieve  F11=View 2  F12=Cancel  F15=Status
F16=Labels   F17=Devices F18=Scheduler

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MA B 10/002
```

8. To add a backup, select **Option 1** and specify the name of the backup. Pressing **Enter** prompts the Add Backup (**LXIBMS/ADDBKUP**) command. In this example, backup DAILY is being added.

```
Work with Backup

Position to . . _____ Starting characters

Type options, press Enter.
 1=Add      2=Change  3=Copy   4=Delete  5=Work with  6=Run   7=Rename
 8=Volume   9=Definition 10=Job   11=Schedule 13=History  15=Commands

Opt Backup -----Text-----
 1  DAILY      Default Backup Definition
 2  *AUTO

Bottom

Selection or command
==> _____

F3=Exit      F4=Prompt  F9=Retrieve  F11=View 2  F12=Cancel  F15=Status
F16=Labels   F17=Devices F18=Scheduler

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MA B 10/012
```



- 9. Specify the name of the Backup Definition to use and optional text. Press **Enter** when complete.

```
                                Add Backup (ADDBKUP)

Type choices, press Enter.

Backup . . . . . > DAILY           Name, *AUTO
Backup definition . . . . . tapvrt01  *DFT, TAPVRT01
Text . . . . . *BKUPDEFN

-----

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display  Bottom
F24=More keys

M@ B 06/045
```

- 10. Select **Option 5** to add a backup list to a backup. Backup lists define the type of data to save. Press **Enter**.

```
                                Work with Backup

Position to . . . Starting characters

Type options, press Enter.
1=Add 2=Change 3=Copy 4=Delete 5=Work with 6=Run 7=Rename
8=Volume 9=Definition 10=Job 11=Schedule 13=History 15=Commands

Opt Backup -----Text-----
-----
5_ DAILY Virtual Tape Library TAPVRT01

-----

Selection or command
===>

F3=Exit F4=Prompt F9=Retrieve F11=View 2 F12=Cancel F15=Status
F16=Labels F17=Devices F18=Scheduler
MMS/bms - Backup DAILY added.

M@ B 12/003
```



- 11. This displays the Work with Backup List panel. To add a backup list to a backup, select **Option 1**, specify a sequence number and press **Enter**.

```
Work with Backup List

Backup . . . : DAILY          Position to _____
Type options, press Enter.
 1=Add       2=Change      4=Remove   5=Work with  6=Release   7=Move
 8=Omit list 9=Hold

Opt  Seq List      Type  Omit list  Hold  Error  Date  Time
--  -
      (No records meet selection criteria.)

Selection or command
===> _____

F3=Exit  F4=Prompt  F9=Retrieve  F11=View 2  F12=Cancel  F14=Omit list

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MA B 10/003
```

- 12. This prompts the Add Backup List (**LXIBMS/ADDBKUPL**) command. Specify the type of backup to perform and press **Enter**. The following example creates an object (***OBJ**) backup list.

```
Add Backup List (ADDBKUPL)

Type choices, press Enter.

Backup . . . . . > DAILY          Name
Sequence number . . . . . > 5      1-9999
List . . . . . *obj_____ *ASP, *ASPDLO, *CFG, *EJECT...

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys

MA B 07/041
```



- 13. Pressing **Enter** prompts additional command parameters. Review and change the parameters as needed. Use **F1** to get Help information. Press **Enter** to return to the Work with Backup List panel. In this example, an incremental backup (***INCR**) is being defined.

```

Add Backup List (ADDBKUPL)

Type choices, press Enter.

Backup . . . . . > DAILY           Name
Sequence number . . . . . > 5       1-9999
List . . . . . > *OBJ             *ASP, *ASPDLO, *CFG, *EJECT...
Type . . . . . > *incr           *FULL, *INCR, *CUML
Parallel device resources:
  Minimum resources . . . . . *NONE  1-32, *NONE, *AVAIL
  Maximum resources . . . . .       1-32, *AVAIL, *MIN
ASP device . . . . . *             Name, *, *SYSBAS...
Omit list name . . . . . *NONE     Name, *NONE
Error action . . . . . *IGNORE    *IGNORE, *CANCEL
Text . . . . . *BLANK

-----

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys

MA B 10/037

```

- 14. To add objects to the backup list, select **Option 5** and press **Enter**.

```

Work with Backup List

Backup . . : DAILY           Position to ____
Type options, press Enter.
  1=Add      2=Change      4=Remove      5=Work with      6=Release      7=Move
  8=Omit list 9=Hold

Opt  Seq  List      Type  Omit list  Hold  Error  Date  Time
  5    5  *OBJ      *INCR *NONE     *NO  *IGNORE *NONE *NONE

-----

Selection or command
===>

F3=Exit  F4=Prompt  F9=Retrieve  F11=View 2  F12=Cancel  F14=Omit list

MMS/bms - List *OBJ added to backup DAILY.
MA B 20/007

```



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15. This displays the Work with Backup List Entries panel where the objects/libraries to save are defined. Specify the sequence number, object/library name and type and press **Enter**.

```
Work with Backup List Entries

Backup . . . : DAILY          Sequence . . : 5
List . . . . : *OBJ          Type . . . . : *INCR

Type options, press Enter.
1=Add  3=Copy  4=Remove  5=Work with  7=Move

Opt   Order  Library  Object  Type      Member
 1     5     LXI     *ALL   *FILE     Member

(No records meet selection criteria.)

Bottom

Selection or command
===> _____

F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel
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MA B 18/028
```

16. Pressing **Enter** displays the Work with Backup List Entries panel. In this example, file LXIDATA has been defined for this incremental backup.

```
Work with Backup List Entries

Backup . . . : DAILY          Sequence . . : 5
List . . . . : *OBJ          Type . . . . : *INCR

Type options, press Enter.
1=Add  3=Copy  4=Remove  5=Work with  7=Move

Opt   Order  Library  Object  Type      Member
  -     5     LXI     *ALL   *FILE     *NONE

Bottom

Selection or command
===> _____

F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel
MMS/bms - Object LXI/*ALL added to backup DAILY.
MA B 10/003
```



MMS Incremental Backup Example 9

17. If more backup lists are required, press **Enter** until the Work with Backup List panel is displayed. If no more backup lists are required, press **Enter** to return to the Backup main menu.