

XA Operator

Automated Backup and IT Operations designed for XA

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- Requirements
- Product Overview
- Implementation
- Benefits

Assured backup and recovery

- Your XA system is the heart of your company, it must be available

Improved end user support

- Give users the information they need when they need it ... without being up all night

Increased IT efficiency

- Reduce your workload and off-hours activities by automating jobs and processes

What if.....

- Your system has a catastrophic failure
- Your machine room floods
- Your system takes a lightning strike

Would you like to:

- Follow instructions in IBM Backup and Recovery Guide, and
- Load one backup tape (or set of tapes) to restore your entire system???

XA Operator Ensures a successful automated backup!

1. Configure to save the systems you need
 - Could be XA only
 - Add custom or OEM libraries and Folders
 - Full system save

2. Prepare for backup

- Configurable message to users to log off
- Restrict user and program access to XA during backup
- Cleanup closed and suspended XA batches
- Configuration option to continue with active batches
- Stop U Jobs by environment
- Stop 3rd party applications

Backup and Recovery



```
AB000101          Configure Backup Options          9/14/12
                  Daily Backup Job                 09:53:08

Tape Device. . . . ? DISK                      Backup. . S Y M Y T Y W Y T Y F Y S Y
Density. . . . . *CTGTYPE                       Time to Start Save . . 030000
Volume . . . . . *SAME

Backup:
Security Information. . . . N Y-Yes           MAPICS
Configuration Data. . . . . N N-No           Environment . . . . . AC
IBM libraries . . . . . N                   End all active jobs . . . . Y
IBM and User directories. . N               Backup w/Active Batches . Y

Backup All User Libraries. . S Y-All O-Omit   Initialize before backup N
Backup All Document Folders. N S-Selected   Eject/Unload option . . . *LEAVE
                               N-None
                               Finish Closed Batches . . . Y
IPL When Complete . . . . . N Y-Yes           Backup Program Libraries. N
Print Save Listings . . . . N N-No           Lock library active..... N

                               Message delay . . . . 5 (Minutes)
Message to all workstations: PLEASE EXIT THE AC ENVIRONMENT.

-----
F3=Exit  F4=Prompt          F10=Lib  F11=Folder  F12=Cancel  F23=Delete
```

Backup and Recovery



```
Work with Job Schedule Entries                                     S06EAB44
                                                                09/14/12 10:23:39

Type options, press Enter.
  2=Change  3=Hold  4=Remove  5=Display details  6=Release
  8=Work with last submission  10=Submit immediately

-----Schedule-----
Opt  Job          Status  Date      Time      Frequency  Recovery  Next
-----
  _  ABCKTAPE1     SCD     USER DEF  16:00:00  *WEEKLY    *SBMRLS   09/14/12
  _  ABCKTAPE2     SCD     USER DEF  16:20:00  *WEEKLY    *SBMRLS   09/14/12
  _  ABDAILYAA     SCD     *ALL      03:50:00  *WEEKLY    *SBMRLS   09/15/12
  _  ABDAILYAC     SCD     *ALL      03:00:00  *WEEKLY    *SBMRLS   09/15/12
  _  ABDAILYAE     SCD     USER DEF  23:00:00  *WEEKLY    *SBMRLS   09/14/12
  _  ABDAILYAF     SCD     USER DEF  23:30:00  *WEEKLY    *SBMRLS   09/14/12
  _  ABDAILYMA     HLD     *TUE      02:17:00  *WEEKLY    *SBMRLS   09/18/12
More...

Parameters or command
==> _____
F3=Exit   F4=Prompt   F5=Refresh  F6=Add     F9=Retrieve
F11=Display job queue data  F12=Cancel  F17=Top     F18=Bottom
```


2. Run backup

- Configure multiple environments to be run in sequence
- Option to configure save to disk with subsequent write to tape can reduce downtime required for backup
- Errors are logged to allow backup verification
- Configurable messages sent to email or phones for update of backup status

3. After Backup

- Restart U Jobs
- Restart XA and 3rd Party Apps
- Tape labeling ensures consistent rotation and retention

Backup and Recovery

```
Display Messages

System:      S06EAB44
Queue . . . : ABMSGQ      Program . . . : *DSPMSG
Library . . . : ABLIB     Library . . . :
Severity . . . : 00       Delivery . . . : *HOLD

Type reply (if required), press Enter.
  expiration 09/21/2012
-
From . . . : AKESUPPORT    09/14/12  06:27:46
DAILYSAVE - Daily save to tape completed
From . . . : AKESUPPORT    09/14/12  06:29:20
SAVTOTAPE - Backup for 09/14/2012 on Volume AKE005 initialized with
  expiration 09/21/2012
From . . . : AKESUPPORT    09/14/12  06:35:52
DAILYSAVE - Daily save to tape completed
From . . . : AKESUPPORT    09/14/12  06:52:04
SAVTOTAPE - Backup for 09/14/2012 on Volume AKE005 initialized with
  expiration 09/21/2012
From . . . : AKESUPPORT    09/14/12  07:08:10
DAILYSAVE - Daily save to tape completed

Bottom

F3=Exit      F11=Remove a message  F12=Cancel
F13=Remove all  F16=Remove all except unanswered  F24=More keys
```

Backup and Recovery



Eserver - [24 x 80]

File Edit View Communication Actions Window Help

QPADEV001V Save History Log 06:52:42
SFCTL01 All 9/17/12

Object/Command	Job	Type	Save Date	Start Time	End Time	Status
#LIBRARY Volume WKLY	Lib		9/16/12	1:28:46	1:28:46	SAVED
ABLIB Volume WKLY	Lib		9/16/12	1:28:46	1:28:46	SAVED
ABSAV Volume WKLY	Lib		9/16/12	1:28:46	1:28:46	SAVED
ACEUTIL Volume	Lib		2/03/08	1:04:42	1:04:42	SAVED
ACS2066717 Volume	Lib		2/03/08	1:04:50	1:04:50	SAVED
ACS2067412 Volume	Lib		2/03/08	1:04:57	1:04:57	SAVED
ADEL Volume WKLY	Lib		9/16/12	1:28:46	1:28:46	SAVED
ADTSLAB Volume	Lib		2/03/08	1:05:12	1:05:12	SAVED
AFDSRC Volume WKLY	Lib		9/16/12	1:28:46	1:28:46	SAVED
AFDWWOBJ Volume WKLY	Lib		9/16/12	1:28:46	1:28:46	SAVED
AGETEST Volume	Lib		4/13/08	1:05:35	1:05:35	SAVED
ALACCT Volume WKLY	Lib		9/16/12	1:28:46	1:28:46	SAVED
ALMEND Volume WKLY	Lib		9/16/12	1:28:46	1:28:46	SAVED
AMALIBR Volume	Lib		7/08/12	1:04:29	1:04:29	SAVED
AMALIBT Volume WKLY	Lib		9/16/12	1:28:46	1:28:46	SAVED
AMALIBX Volume WKLY	Lib		9/16/12	1:28:46	1:28:46	SAVED

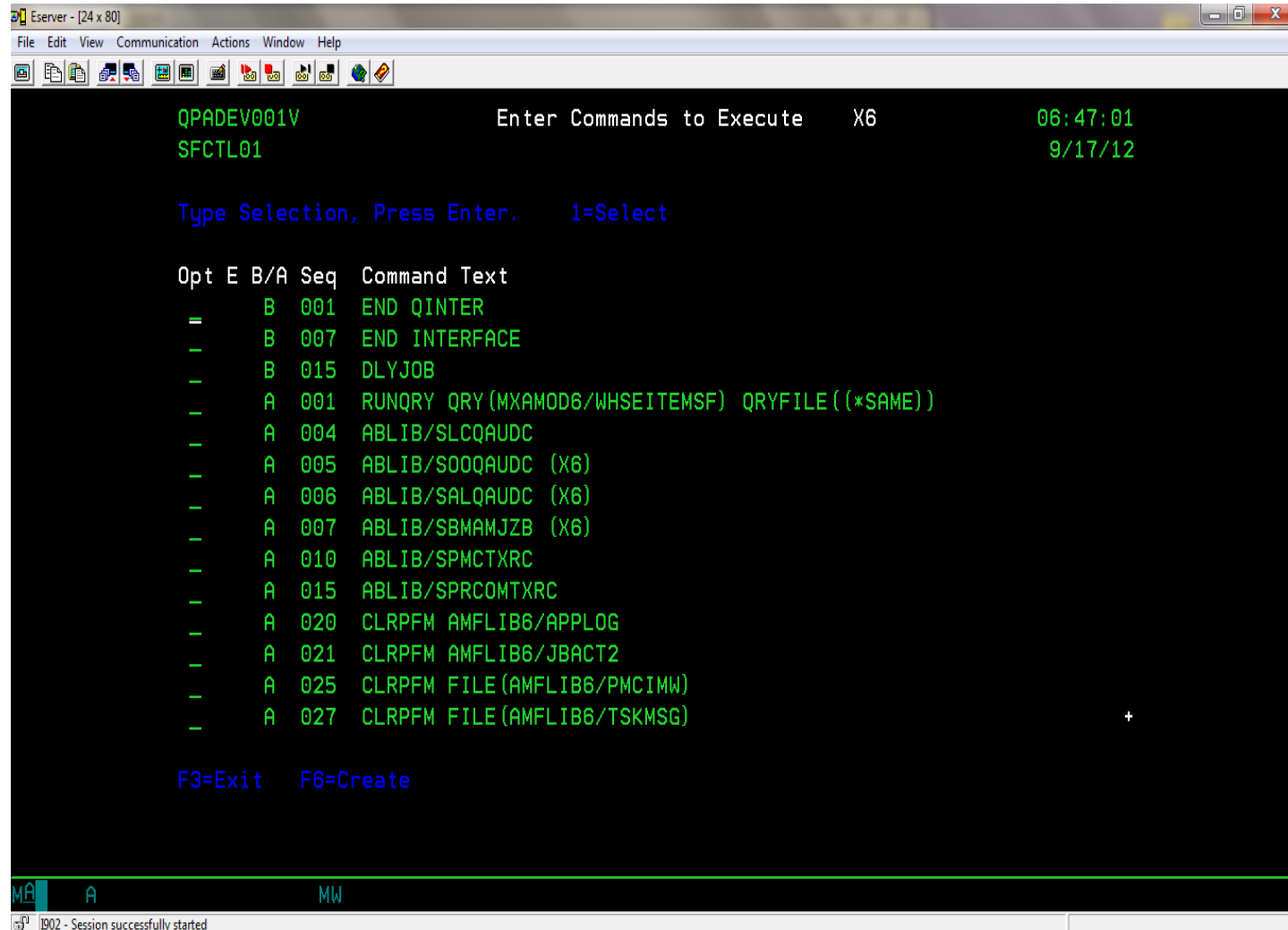
F3=Exit F6=Toggle All/Exceptions

7:57 AM 9/17/2012

Automated job execution ensures timely completion of critical jobs

- Submit MRP planning runs and pass parameters for warehouse and other criteria
- Run Day-End procedures and custom reports and updates
- Run Inventory Audit reports
- Configure and run month end and year end period close for IM and COM
- Flexible configuration to run any batch job

Improved End User Support



The screenshot shows a terminal window titled "Eserver - [24 x 80]". The window contains a menu for executing commands. At the top, it says "Enter Commands to Execute X6" and shows the time "06:47:01" and date "9/17/12". Below this, it prompts "Type Selection, Press Enter. 1=Select". A list of commands is displayed, each with a selection option (Opt), a type (E or B/A), a sequence number (Seq), and the command text. At the bottom, it indicates "F3=Exit" and "F6=Create". The terminal also shows a status bar at the bottom with "MA A MW" and a message "1B02 - Session successfully started".

```
QPADEV001V          Enter Commands to Execute    X6          06:47:01
SFCTL01              9/17/12

Type Selection, Press Enter.    1=Select

Opt E B/A Seq  Command Text
---
   B 001  END QINTER
   B 007  END INTERFACE
   B 015  DLYJOB
   A 001  RUNQRY QRY (MXAMOD6/WHSEITEMSF) QRYFILE ((*SAME))
   A 004  ABLIB/SLCQAUDC
   A 005  ABLIB/SOOQAUDC (X6)
   A 006  ABLIB/SALQAUDC (X6)
   A 007  ABLIB/SBMAMJZB (X6)
   A 010  ABLIB/SPMCTXRC
   A 015  ABLIB/SPRCOMTXRC
   A 020  CLRPFM AMFLIB6/APPLOG
   A 021  CLRPFM AMFLIB6/JBACT2
   A 025  CLRPFM FILE (AMFLIB6/PMCIMW)
   A 027  CLRPFM FILE (AMFLIB6/TSKMSG)

F3=Exit  F6=Create

MA  A  MW
1B02 - Session successfully started
```

Stretch your budget by automating
standard jobs

Reduce off hours responsibilities and
interruptions

- Run the MAPICS file reorganization
- End and start journaling
- Configure spooled file cleanup for chosen output queues
- Start Java servers

- On site assistance to help you learn and tailor XAO to meet your unique needs
- Education on all capabilities of tool
 - Planning to determine breadth of implementation
 - Configuration and testing to help you implement quickly
 - Achieve improvements in week 1!

Lots of benefits!

- Ease of recovery in case of disaster
- Don't have to explain after audit why system backup is 2 months old...
- Reduced time spent managing backups
- Reduced system down time required for backup
- Users get fresh MRP and reports first thing in the morning

Lots of benefits!

- Automated nightly and period end jobs eliminate night and weekend logons
- System runs better with regular maintenance
- Improved system availability for users

“With the implementation of XA Operator, I now trust that my backups run correctly. The ease of configuration makes it simple to use the powerful scheduling tool. If you value your data, you should invest in XA Operator” AW North Carolina

License fee = \$5,500

– Special offer of \$4,500 through 12/31

Quick Implementation

- 1-2 days Implementation assistance is typical
- Go live week 1!
- Current customers- your settings migrate to the new version.

- Everyone benefits
 - IT Manager and Operations
 - Users
 - CFO
- Low cost and effort
- *What are you waiting for?*

XA Operator

Questions?

Thank you !
