

Worldwide Response Center

HP 3000 APPLICATION NOTE #89



AUTOINST/XL

Questions And Answers



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AUTOINST/XL Questions and Answers:

Introduction

This Application Note is a collection of questions and answers pertaining to AUTOINST/XL.

- Q. AUTOINST did not restore all files from the FOS tape and failed with an INSTERR #5. The FOSLIST file contained the following error:

UNEXPECTED ERROR CODE RETURNED FROM DIRECFIND FILE (S/R 9029)

What might cause this error?

- A. This error is most commonly caused by a disc drive not being online. Check all of the disc drives to make sure that they are online. If they are all online, issue the :DSTAT ALL command to make sure all of the disc drives are recognized by the system. If all drives are listed, then check freespace with the DISCFREE utility.

* * * * *

- Q. I installed patches on my HP 3000 series 922 which generated an SLT tape. I did not update my system with this SLT and in the meantime made a number of configuration changes to my system. Can I still update my system with this PATCHED SLT tape even though my configuration has changed?

- A. Yes, you can update with your PATCHED SLT tape by doing the following:

1) Load your PATCHED SLT tape on the tape drive and place it online.

2) At the CNTRL B prompt, type:

RS or TC

3) Boot from the alternate path - tape drive.

4) At the ISL prompt type:

ISL> UPDATE NOCONFIG

This will bring in your patches but not the 8 configuration files of the CONFIG group thus keeping your current configuration intact.

5) Boot from primary path. At the ISL prompt type:

ISL> START NORECOVERY

This completes your patch installation.

Note

A patch installation is only complete when you update your system with the PATCH generated SLT tape.

Q. What are the groups UXL, USL, and UNL in the SYS account and can they be purged?

A. The groups UXL, USL, and UNL in the SYS account are used by the AUTOINST program when updating the operating system on an MPE XL machine. If your update completed successfully, then these groups can be purged from the system.

Q. I am trying to run AUTOINST to update my system. Rather than starting at the beginning of the process, AUTOINST starts in the middle of the update process. How can I get it to start at the beginning?

A. AUTOINST keeps track of the current update step in a file called HPINSTFL.PUB.SYS. AUTOINST reads this current step to determine where it should begin. If the HPINSTFL file is still on the system from a previous update, AUTOINST will start where the previous update stopped.

To get AUTOINST to start over at the beginning of the update process, purge the HPINSTFL.PUB.SYS file. When you run AUTOINST again, a new file will be created.

Q. I am trying to make a new SLT (System Load Tape) in SYSGEN, and receive the following error message:

```
**error** Can't open file AUTOINST.PUB.SYS
NONEXISTANT PERMANENT FILE (FSERR 52)
```

Why do I receive this message and what can be done to fix it?

- A. What is most likely causing the problem is that somehow AUTOINST.PUB.SYS is missing from the system. To verify do the following:

```
MPE XL:LISTF AUTOINST.PUB.SYS,2
NON-EXISTENT FILE. (CIERR 907)
```

If the file is non existent, then try going to the oldest full backup you have, and restore the file:

```
MPE XL:FILE T;DEV=TAPE
MPE XL:RESTORE *T;AUTOINST.PUB.SYS;DEV=1;SHOW
```

If you cannot find the AUTOINST file on any backups, then you will need to do an UPDATE NOCONFIG from your SLT which will bring in the AUTOINST file. For further information on how to do the UPDATE NOCONFIG, refer to the System Startup, Configuration, and Shutdown Manual (HP part number 32650-90049)

Note

AUTOINST can be restored from the FOS tape, so that a search through the backups is not done.

- Q. I am running AUTOINSTALL to add products to my system and I receive the following error message:

```
LDEV 10 IS NOT CONFIGURED TO BE A STREAMS DEVICE. (INSTERR #11)
```

I know that a STREAMS 10 command has been done to enable streaming. What does the error mean?

- A. AUTOINST requires that you run it from the console. If you do not, you will receive this error. You either need to be at the physical console or you need to have pulled the console to your terminal using the CONSOLE command.

- Q. If a system has multiple tape drives, is it possible to force AUTOINST to use a particular drive?

- A. There is a file which keeps track of the installation process, named HPINSTFL.PUB.SYS. This file keeps track of what type of device is being used, it is ldev # and the tape density. By using EDITOR to make modifications to those 3 items, you can redirect AUTOINSTALL.

Using EDITOR, modify n to the ldev number that you wish to use with AUTOINST. Keep the file unnumbered and then rerun AUTOINST.

An example follows:

```
:EDITOR
HP32201A.07.17 EDIT/3000 THU, FEB 15, 1990, 6:12 PM
(C) HEWLETT-PACKARD CO. 1985
/T HPINSTFL.PUB.SYS
FILE UNNUMBERED
/L ALL
1....
23   ldev number (depends on IO configuration)
24   * current status :           7   <-- where n is the current
25                                         tape ldev number.
26   ldev type (1-4)
27   (1) tape
28   (2) cartridge
29   (3) floppy disc
30   (4) serial disc
31   * current status :           1
32
33   variable density (0-2)
34   (0) single density
35   (1) den 1600 800
36   (2) den 6250 1600
37   * current status :           2
.... (CNTL Y)
/
```

Using editor, MODIFY each "current status" line to reflect the number appropriate for your needs and then KEEP the file. After exiting the EDITOR start the AUTOINSTALL procedure.

For additional information on how to use EDITOR, refer to the EDIT/3000 Reference Manual(HP part number 03000-90012)

Note You may have to run AUTOINST just to create the HPINSTFL.PUB.SYS file.

Q. I need more disc space on my MPE XL system and I noticed that some accounts or groups have not been accessed for a long time. These are the groups and accounts I notice have not been touched:

- @.HPPL89
- HPENV.SYS

- LIB.SYS
- SAMPLEDB.SYS
- DCC000.TELESUP
- DOCXL.TELESUP
- DTS000.TELESUP
- NSRV000.TELESUP
- OSAxx.TELESUP
- SQL.TELESUP
- XPT001.TELESUP

Can I store the files in these groups and accounts and delete them?

A. Some of these groups can be removed, some must stay.

- @.HPPL89 - Can be removed, as it is created by Autoinstall
- HPENV.SYS- If your system contains a laser printer do not remove
- LIB.SYS - Do not remove as this is used by the system routines
- SAMPLEDB.SYS - If you do not use SQL this can be removed
- DCC000.TELESUP - Do not remove, this is used for diagnostics
- DOCXL.TELESUP - May be removed, this is documentation for telesup
- DTS000.TELESUP - Do not remove, this is used for diagnostics
- NSRV000.TELESUP - Do not remove, the system uses this and the
- OSAxx.TELESUP - You need at least one OSAxx Group, the xx is related to the version, for example:
Version A.51.00 would be OSA51
- XTP001.TELESUP -
- SQL.TELESUP - Can be removed if you do not wish to use SQL

Q. I am try to do an UPDATE using AUTOINSTALL and I receive the following error:

INVALID DEVICE SPECIFICATION (FSERR 56)

What causes thus error message to be displayed?

A. This error can be caused by missing a device class that AUTOINSTALL

needs to run properly. Check to be certain you have the following classes on the specified devices:

1. Device class LP on a printer (also be certain that the queues are open for the printer).
2. Device class TAPE on a tape drive.
3. Device class SPOOL on a disc drive.

These classes do not have to be unique to a device and they do not have to be the only class on the device; they just need to be present as outlined above.

* * * * *

Q. When trying to update my MPE/XL system, I receive the following error from AUTOINST:

```
THE NEW SYSTEM LOAD TAPE WAS NOT SUCCESSFULLY CREATED.  
TO CONTINUE WITH THE INSTALLATION, CONSULT THE  
CUSTOMER INSTALLATION PROCEDURES. (INSTERR #8)
```

I examined the \$STDLIST output for the DUMP job, and found an error during SYSGEN execution of the TAPE command:

```
**warning** can't get NMMGR info for file NMCONFIG.PUB.SYS.  
dcc error: nmconfig file doesn't exist, or is not accessible.
```

What should I do now?

A. This error indicates that the NMCONFIG file, which is the file that contains configuration data for data communications products, cannot be accessed; therefore the SYSGEN TAPE command will not succeed.

This situation can occur for many different reasons, however the most common are the file not existing or the NMMON process not existing.

If the system is being INSTALL'ed, the NMCONFIG file will not exist. If this is a new system installation, you should follow the appropriate instructions to create it based upon one of the NMSAMP files supplied on the factory System Load Tape. Refer to the appropriate section in the HP 3000 MPE XL INSTALLATION AND UPDATE MANUAL, HP part number 36123-90001.

If this is an existing system, you should RESTORE your old NMCONFIG file.

If the NMCONFIG file exists, try to access it by running NMMGR and opening it. If you receive NMGERR 22 or NMGERR 100 then this is a good indication that the NS father process, NMMON, is not running.

Another indication that it is down is to see if any of the NS logfiles (NMLG###) are open. If not, then you can attempt to restart it by issuing the following command:

```
:RUN NMMAINT.PUB.SYS,RESTART
```

This will create the NMMON process and restart NS logging. You should now be able to access your NMCONFIG file using NNMGR. You should now be able to restart AUTOINST, which will stream the DUMP job again, or you can complete the Customized System Load Tape manually.

To finish the CSLT manually, use the following commands:

```
:FILE NL.PUB.SYS=NL.UNL.SYS
:FILE SL.PUB.SYS=SL.USL.SYS
:FILE XL.PUB.SYS=XL.UXL.SYS
:FILE START.MPEXL.SYS=START.UNL.SYS
:RUN SYSGEN.PUB.SYS
...
sysgen> TAPE
```



When the tape command finishes, exit SYSGEN and proceed with Section 6 of the HP 3000 MPE XL INSTALLATION AND UPDATE MANUAL HP part number 36213-90001.

- Q. I am trying to complete an UPDATE to the operating system. A labeled tape was mounted when the user was prompted for a SLT tape. Since the program would not accept a labeled tape, I aborted the job. Now, when AUTOINSTALL is rerun, the I am prompted to mount the FOS tape. AUTOINSTALL, is trying to repeat work that was already performed, and I would like to resume from close to the point where the job was aborted.
- A. The current status of the AUTOINSTALL process is kept in a file called HPINSTFL in the PUB group of the SYS account. There are six (6) progress check points before the job is completed (progress check point of 7 indicates that the AUTOINSTALL process completed successfully).

Changing the current status, to indicate that progress check point of 6 had been completed, it forced AUTOINSTALL to start with the creation of the DUS tape.

Q. After I do an update and run AUTOINST, what happens to the file HPINSTFL?

A. The file HPINSTFL is used by AUTOINSTALL. It contains detailed information about the installation such as, the status of the update, the type of update, install jobs streamed, etc. After AUTOINSTALL completes, it renames the file HPINSTFL to AUTOHIST.PUB.SYS. You can use it as a record of the update.

* * * * *

Q. When going through the AUTOINST process to UPDATE to 2.2 (A.41.00) and doing a "SPOOLER LP; START" receiving error:

SPOOLER INTERNAL ERROR OCCURED, CANNOT GET DEVICE INFO CIERR
4512 CAN'T FOPEN STDLIST FOR SUPACCT>MGR>SYS>PUB

A. The problem can be one of the following:

- 1) LP is not configured
- 2) There is not enough disc space
- 3) SPOOLING system being shut
- 4) The NMCONFIG.PUB.SYS file has not been converted with NMMGRVER.

Note

After converting the NMCONFIG.PUB.SYS perform the following:

- a. Validate DTSLINK in NMMGR.
 - b. Cross validate with RDCC in SYSGEN.
 - c. BOOT with a START NORECOVERY.
 - d. Cycle DTC power.
 - e. SHOWDEV LP to be certain the LP exists.
-

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HP 3000

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1	5958-5824	Printer Configuration Guide - Version 1
2	5960-2841	Terminal types for HP 3000 HPIB Computers - Version 1
3	5960-2842	Plotter Configuration Guide
4	5960-2843	Printer Configuration Guide - Version 2
5	5960-2844	MPE System Logfile Record Formats
6	5960-2845	Stack Operation
7	5960-2846	COBOL II/3000 Programs: Tracing Illegal Data
8	5960-2847	KSAM Topics: COBOL's Index I/O: File Data Integrity
9	5960-2848	Port Failures, Terminal Hangs, TERMDISM
10	5960-2849	Serial Printers - Configuration, Cabling, Muxes
11	5960-2850	System Configuration or System Table Related Errors
12	5960-2851	Pascal 3000 - Using Dynamic Variables
13	5960-2852	Terminal Types for HP 3000 HPIB Computers - Version 2
14	5960-2853	Laser Printers - A Software and Hardware Overview
15	5960-2854	FORTTRAN Language Considerations - A Guide to Common Problems
16	5960-2855	IMAGE: Updating to TurboIMAGE & Improving Database Loads
17	5960-2856	Optimizing VPLUS Utilization
18	5960-2857	The Case of the Suspect Track for 792X Disc Drives
19	5960-2858	Stack Overflows: Causes & Cures for COBOL II Programs
20	5960-2859	Output Spooling
21	5960-2860	COBOLII and MPE Intrinsic
22	5960-2861	Asynchronous Modems

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24	5960-2863	Private Volumes
25	5960-2864	TurboIMAGE: Transaction Logging
26	5960-2865	HP 2680A, 2688A Error Trailers
27	5960-2866	HP Trend: An Installation and Problem Solving Guide
28	5960-2867	The Startup State Configurator
29	5960-2868	A Programmer's Guide to VPLUS 3000
30	5960-2869	Disc Cache
31	5960-2870	Calling the CREATEPROCESS Intrinsic
32	5960-2871	Configuring Terminal Buffers
33	5960-2872	Printer Configuration Guide - Version 3
34A	5960-2873	RIN Management (Using COBOLII Examples) (A)
34B	5960-2874	Process Handling (Using COBOLII Examples) (B)
35	5960-2875	HPDESK IV (Script files, FSC, and Installation Considerations)
34C	5960-2876	Extra Data Segments (Using COBOLII Examples) (C)
36	5960-2877	Tips for the DESK IV Administrators
37	5960-2878	AUTOINST: Trouble-free Updates
38	5960-2879	Store/Restore Errors
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40	5960-2881	HP 250 / 260 to HP 3000 Communications Guidelines
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44	5960-2885	HPPA Patching Conventions for HP3000 900 Series Processors - Version 1
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47	5960-2900	Customizing Database Data Items & Changing Passwords in JCL Files
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49	5959-9227	Configuring DATACOMM Products Into MPE
50	5959-9228	VFC's for Serial Printers

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54	5959-9251	Improving Database Performance
55	5959-9258	Customized Message Catalogs and Help Facilities
56	5959-9266	BRW Tips for Beginners
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58	5959-9274	HPPA Pathing Conventions for HP3000 900 Series Processors - Version 2
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69	5960-2901	Nonsystem Volume Sets and the Migration of Private Volumes to an S9000 HP 3000
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71	5960-2918	Asynchronous Cabling
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73	5960-2998	SNA NRJE Configuration
74	5960-2999	SNA IMF Configuration
75	5060-3000	XL NRJE Configuration

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