

®Tivoli Workload Scheduler and Connector



Fix Pack 0012 for Version 8.1.0

Version 8.1.0

®Tivoli Workload Scheduler and Connector



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Version 8.1.0

Note

Before using this information and the product it supports, read the information in Chapter 3, "Notices," on page 37.

Second Edition (November 2004)

This edition applies to fix pack 12 (PTF U800231) Tivoli Workload Scheduler and Connector for Version 8.1.0

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Chapter 1. Tivoli Workload Scheduler and Connector Fix Pack 0012 for Version 8.1.0

Date December 17, 2004

Fix Pack
8.1.0-TIV-TWS-FP0012

PTF Number
U800231

Product
Tivoli Workload Scheduler Version 8.1.0

General Description
Tivoli Workload Scheduler fix pack 0012 for Version 8.1.0 and Tivoli Workload Scheduler Connector fix pack 0012 for Version 8.1.0

Please review this section thoroughly before installing or using this fix pack.

About this release

This section includes the following topics:

- “Problems Fixed in 8.1.0-TIV-Tivoli Workload Scheduler-Fix Pack 0012” on page 2
- “New Internal Defects for Version 8.1.0” on page 2
- “Problems Fixed in 8.1.0-TIV-Tivoli Workload Scheduler-Fix Pack 0011” on page 2
- “New APARs for Version 8.1.0” on page 2
- “New APARs for Version 8.2” on page 3
- “New Internal Defects” on page 3
- “Problems Fixed in 8.1.0-Tivoli Workload Scheduler-Fix Pack 10” on page 3
- “New APARs for Version 8.2” on page 5
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- “APARs in 8.1-Tivoli Workload Scheduler-Fix Pack 09 Version 8.1” on page 6
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- “APARs in 8.1-Tivoli Workload Scheduler-0001” on page 20

Problems Fixed in 8.1.0-TIV-Tivoli Workload Scheduler-Fix Pack 0012

Fix pack 12 supersedes all the preceding Fix packs. Therefore, Fix pack 12 fixes also all the APAR's and internal defects fixed by fix pack 1 to fix pack 11.

New APARs for Version 8.1.0

- APAR IY58104
Symptoms: There are orphaned TWS job objects when running TBSM discovery.
- APAR IY58243
Symptoms: The "Dependencies Status" is "not released" ,although it is canceled.
- APAR IY58973
Symptoms: AWS1130005 error is received when entering a "composer validate" is issued by any other user than maestro.
- APAR IY59057
Symptoms: stdlist message is not correct when communication between mailman and a writer was interrupted.
- APAR IY59058
Symptoms: Event 252 sent when actually the link was not dropped.
- APAR IY61530
Symptoms: Fta cannot be stopped ,after switchmgr has been performed while FTA is down.This is a sysroute of IY60567, IY61233.
- APAR IY61734
Symptoms: Stageman memory fault reading symnew with missing dependencies.
- APAR IY62198
Symptoms: Jobman and Batchman abended when a running job that has a long jcl file name is killed.
- APAR IY63093
Symptoms: A JOB With a Recovery option of "continue after recovery" does not launch.

New Internal Defects for Version 8.1.0

- Internal CMVC Defect 154368:
Symptoms: MSG AWSDEC100E issued instead of AWSDEC101i.
- Internal CMVC Defect 173210:
Symptoms: E2E Heap memory corruption.

Problems Fixed in 8.1.0-TIV-Tivoli Workload Scheduler-Fix Pack 0011

New APARs for Version 8.1.0

- APAR IY58174
Symptoms: JOBMON fails to create tmp file at start up time if multiple TWS instances are installed on a single Windows machine.
- APAR IY58584

Symptoms: Abended rerun jobs status shows as exec indefinitely on Master. This apar required IY50278 on TWS 8.2.0-TIV-TWS-FP0005.

- APAR IY58834

Symptoms: composer create says 'unable to open' file despite the file being create.

- APAR IY53992

Symptoms: TWS events are not sent to TEC server after applying TEC fix pack.

- APAR IY55007

Symptoms: reptl displays AWS21060458 message, if the total character length of "Dependencies" data exceeds 32 bytes.

- APAR IY55835

Symptoms: Dependency prompt is created after JNEXTDAY for a follows dependency that was resolved prior to JNEXTDAY.

- APAR IY57199

Symptoms: Reporter dies with SIGSEGV due to memory corruption

- APAR IY58454

Symptoms: Internetwork dependencies prompt for a CF schedule gets truncated.

- APAR IY58968

Symptoms: After applying TWS 8.1 Fix Pack 10 LINUX FTAS FAIL to link following subsequent jnextdays

New APARs for Version 8.2

- APAR IY55606

Symptoms: TWS 8.2 Plus Module will not install on TMR after MN has been created.

- APAR IY56317

Symptoms: Showexec does not list running jobs howexec does not list running jobs

- APAR IY58655

Symptoms: launching jobs from JSC 1.3 (fp03) with bad security settings

New Internal Defects

- Internal CMVC Defect 171478

Symptoms: TECAD_START fails if EndPoint is installed in C:\Program Files.

- Internal CMVC Defect 171972

Symptoms: Reasoning out of bound array access.

- Internal CMVC Defect 171973

Symptoms: Reasoning: initialized variables

- Internal CMVC Defect 172140

Symptoms: Composer replace resources fails on LINUX

Problems Fixed in 8.1.0-Tivoli Workload Scheduler-Fix Pack 10

New APARs for Version 8.1.0

- APAR IY47219

Symptoms: Engine hangs when listing or setting alternate plan with many entries in SCHEDLOG DIR

- APAR IY49435

- Symptoms: Partial wild cards in security file are not working correctly
- APAR IY49695
Symptoms: Tivoli Workload Scheduler connector programs abend with SIGSEGV if no security file is present when a list is loaded in JSC
- APAR IY50186
Symptoms: The job description of JOB1 is moved to JOB2'S within the job stream after modifying the JOB
- APAR IY50927
Symptoms: ParmS cannot used from Conman with TWS 8.1 and 8.2
- APAR IY51314
Symptoms: Cancelled Job still EXEC allows rerun action from JSC and CLI - JOB is on incorrect state for rerun
- APAR IY51363
Symptoms: Calendar DB corrupts when multiple "composer replace" are run simultaneously
- APAR IY51658
Symptoms: Domain names greater than eight (8) characters cause problems with linking and unlinking subordinate FTAs
- APAR IY51701
Symptoms: COMPOSER AWS22080148 WARNING: UNTIL time occurs before AT time Incorrect Warning for Time zones
- APAR IY51712
Symptoms: Conman 'show schedules' command not properly sorting output
- APAR IY51927
Symptoms: JSC hangs when trying to obtain 'Status of All Files'
- APAR IY52222
Symptoms: High CPU usage by CONMAN when doing show JOBS @##
- APAR IY52241
Symptoms: Getting "AWS22020072 no qualified entries" error message when trying to display jobs using +STATE=ABEND or STATE=HOLD
- APAR IY52253
Symptoms: JSC Filter on login fails to retrieve more than 250 records
- APAR IY52337
Symptoms: Standard Agent (SA) Job Abend and PID J0 when executed during Jnextday (timing issue)
- APAR IY52339
Symptoms: Composer and Conman creates TMP files
- APAR IY52476
Symptoms: EVERY jobs with AT times behavior should be changed back to the way it historically worked
- APAR IY53201
Symptoms: After applying connector patch 8.1-TWS-FP09, JSC does not show jobstream/schedule descriptions even though composer does
- APAR IY53443
Symptoms: User Info Field contains garbage with TWS 8.2 FP-02 StreamLogon fix in place
- APAR IY53520

Symptoms: Schedule with JOB that has +1 days scheduled to launch on day when time changes shows the incorrect launch time.

- APAR IY53831

Symptoms: Use of symbolic link or mounted filesystem for the SCHEDLOG directory produces SCHEDLOG file that is 512 Bytes

- APAR IY54456

Symptoms: Intermittent AWS11130001 Invalid COMAREA Messages When Using JSC

- APAR IY55455

Symptoms: FDOPEN Fails in JOBMON because reached FOPEN_MAX # of streams

- APAR IY55456

Symptoms: Jobmon.exe has handle leaks with TWS 8.1

- APAR IY56810

Symptoms: Datecalc 11-MAY-2004 PIC "dd-mm-yyyy" no longer works with '-'
DATECALC:AWS11070008I bad date specification

- APAR IY56877

Symptoms: Conman sbd [command] stays in ADD state. Schedule stays in ready state

New APARs for Version 8.2

- APAR IY54578

Symptoms: JSC 1.2 GJS1052 & AWS22230003 Unable to create an ID/handle message is unclear

- APAR IY55175

Symptoms: Mailman server memory corruption on W2K TWS Master

New Internal Defects

- Internal CMVC Defect 164016

Symptoms: From JSC, you are not allowed to define an NT user with numbers as first characters. You should be allowed to do so, instead.

- Internal CMVC Defect 167318

Symptoms: Remove Copyright String from JOBMANRC

- Internal CMVC Defect 167454

Symptoms: To complete APAR IY48076

- Internal CMVC Defect 168364

Symptoms: Installation TWS81 fix pack9 fails in a particular case.

- Internal CMVC Defect 168574

Symptoms: performance problem running Jnextday

- Internal CMVC Defect 169004

Symptoms: sbd does not work

- Internal CMVC Defect 169242

Symptoms: kill of a job defined on fta win32 does not work

- Internal CMVC Defect 170048

Symptoms: Jobstream with external DEP not correctly submitted

- Internal CMVC Defect 170663

Symptoms: conman sbj coredump on Solaris and job stays on ADD

- Internal CMVC Defect 171018

Symptoms: Database corruption after running the build tws utility

- Internal CMVC Defect 171019

Symptoms: Batchman.exe abend after running two switchmgr commands.

- Internal CMVC Defect 171021

Symptoms: Wrong start time when "conman sbd" and timezone used

APARs in 8.1-Tivoli Workload Scheduler-Fix Pack 09 Version 8.1

- APAR IY44883

Symptoms: Tivoli Workload Scheduler patch Readme needs further NT patch requirements.

- APAR IY45797

Symptoms: Cannot apply a Tivoli Workload Scheduler Fix Pack if installation directory is different from TWSUSER home directory.

- APAR IY45818

Symptoms: Standard agent uses the CPU limit of its host.

- APAR IY45913

Symptoms: Schedule on master stays ready even if it's jobs on FTA go SUCC.

- APAR IY46139

Symptoms: Bogus opens dependency opens FTA#" causes JOBMAN to abend on AIX.

- APAR IY46140

Symptoms: BATCHMAN goes down when two users delete resources at the same time when two CLI or JSC.

- APAR IY46358

Symptoms: Large numbers of "Description for Event ID 10006"

- APAR IY46414

Symptoms: Cannot define a NT_USER beginning with a numeric char from composer

- APAR IY46787

Symptoms: If opens dep is placed on a Jobstream when it is on EXEC and if after the Jobstream is cancelled, resources are not released.

- APAR IY46792

Symptoms: WMAEUTIL core dump when framework roles are insufficient.

- APAR IY46970

Symptoms: Composer create CMD does not use the UMASK setting.

- APAR IY47381

Symptoms: After applying Fix Pack 7 - Conman SJ (SHOWJOBS) error if CPU is ignored.

- APAR IY47866

Symptoms: When alternate plan is set, job dependencies are not shown.

- APAR IY47889

Symptoms: JSC Cannot save Jobstream for an X-agent using a resource on the host CPU.

- APAR IY48072

Symptoms: Schedules with RUNCYCLES containing workdays offsets and free days features do not run on the right day.

- APAR IY48076

- Symptoms: TWS 8.1 with FP06 on WIN-PLATFORM does not execute all the possible jobs against an X-agent.
- APAR IY48308
Symptoms: Customize script creates STDLIST/TRACES directory for no reason.
 - APAR IY48325
Symptoms: Jobs with opens dependencies are launched even though Batchman shows a "FN" for the file.
 - APAR IY48409
Symptoms: TWS 8.1 Directory permission fails security compliance.
 - APAR IY49003
Symptoms: X-agent hosted by \$MASTER is shown as unlinked from JSC.
 - APAR IY49100
Symptoms: Validate and compiler allows jobs to be submitted for ignored FTA.
 - APAR IY49150
Symptoms: DBCS users GECOS field gets garbled in Tivoli Workload Scheduler job output.
 - APAR IY49379
Symptoms: R11XTR core dump when run REP11 with incorrect parameters.
 - APAR IY49420
Symptoms: Tivoli Workload Scheduler Plus Module 8.1 - DM Monitor - STDLIST space used does not work.
 - APAR IY49577
Symptoms: Stageman does not correctly carry forward resources for large symphony.
 - APAR IY49599
Symptoms: Job Streams containing an external dependency are not correctly submitted.
 - APAR IY49672
Symptoms: Failed Tivoli Workload Scheduler job create JOBLOG.
 - APAR IY49876
Symptoms: JOBINFO not working correct in 8.1- RSTRT_FLAG, JOB_NAME, RE_TYPE.
 - APAR IY50126
Symptoms: Plus Module fails to install on Solaris 2.9.
 - APAR IY50193
Symptoms: Jobs are randomly kept in ready state when submitted.
 - APAR IY50614
Symptoms: XRTRCT hangs when schedule contains 127 characters comment.
 - APAR IY50678
Symptoms: Tivoli Workload Scheduler 8.1 receiving DR Watson error when LOOKUPACCOUNTNAME fails.
 - APAR IY50680
Symptoms: Tivoli Workload Scheduler Jobs remain in INTRO+ STATE on an X-agent.
 - APAR IY50725
Symptoms: Unable to submit jobs ADHOC when user has tight security access.
 - APAR IY50814

Symptoms: INVALIDE handle in JOBMON code.

- APAR IY51097

Symptoms: Schedulr command does not select schedules due to the order.

APARs in Tivoli Workload Scheduler-FP09 for Version 8.1

- APAR IY48660

Symptoms: The Tivoli Workload Scheduler "TRAPJOBABEND" trap has a carriage return coded.

- APAR IY50123

Symptoms: Unable to submit JOBSTREAM defined for a CPU class in 8.2.

- APAR IY50833

Symptoms: Tivoli Workload Scheduler Module FP1 fails to install on managed node.

Internal Defects in 8.1-Tivoli Workload Scheduler-FP09 for Version 8.1

- Internal CMVC Defect 165241

Symptoms: TWS PLUS: Job cancel event not sent to TEC.

- Internal CMVC Defect 165444

Symptoms: TWS PLUS 8.2: event 111: wrong mapping with maestro.fmt file.

- Internal CMVC Defect 166079

Symptoms: TWS PLUS: end of TWSPLUSinstallafter script after download of dependent files to managed nodes.

- Internal CMVC Defect 166110

Symptoms: TWS PLUS 8.2: event 111 causes a parsing error on TEC server.

- Internal CMVC Defect 168024

Symptoms: TWS PLUS: DM Monitor Disk Space used for stdlist fails against endpoints because du.exe is not downloaded to them.

- Internal CMVC Defect 168083

Symptoms: E2E: Re-use of deleted dependencies position.

APARs in 8.1-Tivoli Workload Scheduler-FP08 for Version 8.1

- APAR IY40910

Symptoms: Cannot run ant Tivoli tasks on some TMR EPS after installing TWSPLUS 8.1.

- APAR IY41774

Symptoms: Conman shut can cause bad mailbox record to be written.

- APAR IY43302

Symptoms: JOBSTDLD script returned error 0403-027 the parameter list is too long.

- APAR IY44845

Symptoms: AWS2201003E too many jobs for BATCHMAN since APAR IY38717.

- APAR IY46202

Symptoms: The variable \$UNISON_HOST is set every time to the MASTER WKS.

- APAR IY46982

Symptoms: Japanese characters get garbles in STDLIST JOBLOG.

- APAR IY46724

- Symptoms: Confirm SUCC for Job via JSC not working for FTA's
- APAR IY45955
Symptoms: Parent of switched domain manager makes error in computing routing tables.
- APAR IY47140
Symptoms: Jobs stays on ready when submitting from master in TZ on different date.
- APAR IY46411
Symptoms: REP11 reports incorrect planned date.
- APAR IY47563
Symptoms: Symphony Decompression problem - follow to IY36118
- APAR IY46100
Symptoms: Cannot define non local resources dependencies on JSC 1.2.
- APAR IY44864
Symptoms: Filed in return code structure for ACK to a NETMAN request are not filled with correct values.
- APAR IY42607
Symptoms: NETMAN (and other processes) handle leak.
- APAR IY41863
Symptoms: Composer verify does not catch hard return codes in dependencies.
- APAR IY47897
Symptoms: TWS JOB is reported as Suspended when Until time is crossed even if it gets completed

Internal Defects in 8.1-Tivoli Workload Scheduler-FP08 for Version 8.1

- Internal CMVC Defect 159232
Symptoms: Unable to Launch JSConsole from Plus Job
- Internal CMVC Defect 159341
Symptoms: TME Logfile adapter configuration fails on Win2k
- Internal CMVC Defect 155991
Symptoms: datecalc on AIX reject names that includes underscore

APARs in 8.1-Tivoli Workload Scheduler-FP07 for Version 8.1

- APAR IY34233
Symptoms: EVTSIZE on INTERCOM.MSG is reset to default at JNEXTDAY.
- APAR IY35020
Symptoms: JSC ADHOC submission of jobstreams containing opens and ends with "unable to submit".
- APAR IY38156
Symptoms: JOBSTD and MORESTD commands do not produce any output for any user other than the Maestro user.
- APAR IY38322
Symptoms: Partial entry in workstation option on the JSC saves
- APAR IY38884
Symptoms: TWS 8.1 - Event 107 not generated.
- APAR IY39073

- Symptoms: Conman SC does not show the L Flag for XA hosted by \$MASTER.
- APAR IY40719
Symptoms: 'VERSION -A' Command does not return correct patch information.
- APAR IY40825
Symptoms: Recovery Job inheriting "interactive" job definition from parent
- APAR IY41035
Symptoms: SCHED with name of 16 characters and JOBNAME of 12 characters in a CPUCLASS does not work.
- APAR IY41341
Symptoms: Performance issues for TWS with the autotrace features.
- APAR IY41433
Symptoms: Tivoli Workload Scheduler cannot create calendars past year 2038.
- APAR IY41449
Symptoms: /TWSHOME/CATALOG/POSIX use a link with ABSOLUT path to /TWSHOME/CATALOG/C
- APAR IY41485
Symptoms: WS distributed is to send different instance IDS for all the jobs except for jobs rerun.
- APAR IY41586
Symptoms: Conman SS (Show schedules) does not show correct status.
- APAR IY41868
Symptoms: Every job w/file dependency can run too quickly
- APAR IY42465
Symptoms: Jobtable is created with wrong run number after recovery
- APAR IY42468
Symptoms: Some characters are garbled when view job STDLIST, due to corrupted packets sent by SCRIBNER, related to IY38683
- APAR IY42731
Symptoms: Kill corrupting JOBTABLE.
- APAR IY42797
Symptoms: Batchman abended with AWS1000301E experienced error 3.0 reading courier in .././SRC/JOBMAN/COURIER.C:READ_COURIER
- APAR IY42981
Symptoms: Validate error on opens dependency.
- APAR IY43246
Symptoms: Composer create jobs-format incorrect in output file.
- APAR IY43352
Symptoms: Optimization needed for locking mechanism on Jobtable.
- APAR IY43608
Symptoms: Conman "SJ +STATE=FENCE" Does not properly select the jobs in fence state
- APAR IY43491
Symptoms: JSC LINK/UNLINK status wrong for FTA when host is unlinked.
- APAR IY44102
Symptoms: Stageman tries to use a record number (32768) in Symphony file
- APAR IY44297

Symptoms: EVTSIZE -show command output

- APAR IY44471

Symptoms: JSConsole does not update Job status correctly if the job status is changed from CLI

Internal Defects in 8.1-Tivoli Workload Scheduler-FP07 for Version 8.1

- Internal CMVC Defect 156824.1

Symptoms: Mailman stops to work if cache set to yes

APARs in 8.1-Tivoli Workload Scheduler-U487473 for Version 8.1

- APAR IY32174

Symptoms: Composer stops with error if a recovery job is missing.

- APAR IY32257

Symptoms: Number of successful jobs field is incorrect for carried forward JOBSTREAM.

- APAR IY32436

Symptoms: The state for jobs running at JNEXTDAY is not updated correctly. This results in loss of jobs at JNEXTDAY.

- APAR IY32693

Symptoms: TWS/NETVIEW: The positional variables \$12 for the trap 101 UTTRAJOBABEND is displayed in HEX instead of in DECIMAL.

- APAR IY35131

Symptoms: Maestro setup program does not handle null user and traps.

- APAR IY35151

Symptoms: Numerous directory permissions are word-writable, which is a security flow.

- APAR IY35182

Symptoms: Follows on a schedule at schedule level does not hold after JNEXTDAY.

- APAR IY35486

Symptoms: Improve error reporting of NT/W2K domain errors.

- APAR IY36118

Symptoms: FTAS do not link to master after JNEXTDAY, because of corruption in the compressed sinfonia file from master.

- APAR IY36608

Symptoms: JOBMON stops responding on TWS 8.1

- APAR IY36997

Symptoms: Via command line is impossible to create schedules that contain jobs with different workstation classes - this break JNEXTDAY.

- APAR IY37705

Symptoms: CPU LIMIT=0 not honored on XA

- APAR IY37706

Symptoms: TWS DB/PLAN audit files are writable by every user.

- APAR IY37999

Symptoms: Compiler fails to add a dummy job in fail state during JNEXTDAY.

- APAR IY38037

Symptoms: Unable to create a Job that logs on as a user that has greater than 8 characters.

- APAR IY38040

Symptoms: Incorrect error message ****ERROR**(23) AWS22080023 JOB XXXXXX** not found in job master instead of access denied error.

- APAR IY38216

Symptoms: When confirming a job, the wrong job is being confirmed "SUCC" in JSC 1.2

- APAR IY38717

Symptoms: Batchman abends on master due to JOBTABLE exceeds 32000

- APAR IY38726

Symptoms: Cannot browse JOBLOG on DYNIX FTA via JSC or command line after applying 8-1-TWS-0006

- APAR IY38732

Symptoms: On Linux TWS connector error to submit job with PARMS

- APAR IY38795

Symptoms: Batchman crashes when crossing the barrier of 65535 records

- APAR IY38683

Symptoms: Some characters are garbled when viewing job STDLIST files

- APAR IY38798

Symptoms: FILEAID does not display correctly records with RECNUM > 65535

- APAR IY39396

Symptoms: Conman SJ gives bad output after EFIX for IY38795

- APAR IY39399

Symptoms: Conman SWITCHMGR does not work on WIN2K when mailman server is used

- APAR IY40463

Symptoms: The "DATA CALC SCHEDDATE" command is no longer reporting the original production date on carryforward schedules

- APAR IY40838

Symptoms: Better error reporting needed when FPS since 8.1-TWS-0006 installation fail (PSAPI.LL MISSING)

- APAR IY41442

Symptoms: Event 101-119 missing parameter

- APAR IY41632

Symptoms: New parameter needed into TEC events

- APAR IY41650

Symptoms: Fix Pack 5 does not set the LIBPATH variable for the new location of LIBATRC.A

- APAR IY41955

Symptoms: silent install of Tivoli Workload Scheduler patches causes problems with dialog.

- APAR IY41986

Symptoms: Tivoli Workload Scheduler performance is adversely affected when more than 65535 jobs.

- APAR IY42018

Symptoms: Kill command can corrupt a message queue

Internal Defects in 8.1-Tivoli Workload Scheduler-U487473 for Version 8.1

- Internal CMVC Defect 153621
Symptoms: Enhancement request for the at/until time
- Internal CMVC Defect 153685
Symptoms: Enhancement request for no check and wait options for submit command
- Internal CMVC Defect 155876
Symptoms: Output of "add Sfinal" is invalid

APARs in 8.1-Tivoli Workload Scheduler-U485968 for Version 8.1

- APAR IY37113
Symptoms: Tivoli Workload Scheduler 8.1 autotrace fills 64-BIT HP-UX SYSLOG
- APAR IY36781
Symptoms: TIVOLI_JOB_DATE variable is returning incorrect output
- APAR IY36336
Symptoms: Unexpanded database issues W/TWS 8.1 including X-agent job numbers in CONMAN and DELDEP command
- APAR IY36192
Symptoms: JOBMON.EXE intermittent applications error popup
- APAR IY36120
Symptoms: Cannot submit JOBSTREAM with an opens dependency when the filename contains a parameter and is bigger than 28 characters
- APAR IY35986
Symptoms: CONMAN ALTPASS CMD does not work for WINNT SA
- APAR IY35978
Symptoms: NETMAN.EXE intermittent application error popup
- APAR IY35866
Symptoms: Tivoli Workload Scheduler cannot handle long path in UNIX (\$PATH VARIABLE) Tivoli Workload Scheduler commands core dump
- APAR IY34857
Symptoms: Cancelled schedule carried forward if using non expanded databases and FLAGGD as carryforward
- APAR IY34732
Symptoms: Event 106 in the EVENT.LOG returns a date of 1970
- APAR IY34278
Symptoms: FIXPACK 3 Overwrite /delete additional group and user settings

APARs in 8.1-Tivoli Workload Scheduler-U485968 for Version 6.1 or 7.0

- APAR IY36966
Symptoms: Report 10B lacks start time for a job stream which runs at 0:00
- APAR IY35967
Symptoms: "no time zone stamp in STDLIST on TWS 7.0 and 8.1 when LANGVARIABLES is set to ""C.""
- APAR IY35874
Symptoms: JSLFILE string gets corrupted when submitting a SAP job from JSC
- APAR IY35485

Symptoms: If a schedule has only 1 job which is then canceled pending before job launches then the schedule status is always ready

- APAR IY35425

Symptoms: 25+ character schedule name make GCONMAN abend

- APAR IY34920

Symptoms: MAKESEC fails to compile security file

- APAR IY32240

Symptoms: Continuation character not correctly placed on except line of Tivoli Workload Scheduler schedule/job stream causing JNEXTDAY abend

- APAR IY31896

Symptoms: It is possible to cancel jobs in the USERJOBS by JSC

Internal Defects in 8.1-Tivoli Workload Scheduler-U485968

- Internal CMVC Defect 151506

Symptoms: Variable TIVOLI_JOB_DATE doesn't report the original value anymore.

- Internal CMVC Defect 150249

Symptoms: Reasoning - Uninitialized variable - TBSM (360-361)

APARs in 8.1-Tivoli Workload Scheduler-0006 for Version 8.1

- APAR IY32993

Symptoms: Cannot set alternate plan from JSC when Tivoli Workload Scheduler engine is installed on NFS file system

- APAR IY30687

Symptoms: Cannot perform a kill CMD on child-process by Tivoli Workload Scheduler (W2K)

- APAR IY31441

Symptoms: Limit 0 not honored on Tivoli Workload Scheduler 8.1 UNIX CPUS after MSG, SYMPHONY, SINFONIA, JOBTABLE removed.

- APAR IY31717

Symptoms: AWS22080105 Error received with validate, add or replace of job

- APAR IY32464

Symptoms: After Tivoli Workload Scheduler 8.1, patch 0001, C:\WIN32APP\MAESTRO\SETUP\SETUP.EXE no longer works

- APAR IY32928

Symptoms: Jobs fail on WIN2K W/V8.1 when run by active directory users

- APAR IY33025

Symptoms: Tivoli Workload Scheduler 8.1 composer replace prompting for confirmation

- APAR IY33568

Symptoms: Jobs received logon error on Windows NT

- APAR IY33801

Symptoms: Tivoli Workload Scheduler process hangs when "MM CACHE MAILBOX=YES" and MAILBOX.MSG reaches it's maximum size

- APAR IY34126

Symptoms: Job Stream SUCC when job abend - job stream should abend.

- APAR IY34282

Symptoms: Tivoli Workload Scheduler jobs status is incorrect in TBSM console

- APAR IY34445
Symptoms: Mailman hangs
- Defect 149741
Switchmgr did not work properly when Cache option is Yes.
- APAR IY35086
Symptoms: Composer display calendars core dump on calendar that has more than 34 days and MAESTROCOLUMNS=346 or greater set
- APAR IY32919:
Symptoms: Prompt events garbled for JAP LANG

APARs in 8.1-Tivoli Workload Scheduler-0006 for Version 6.1 or 7.0

- APAR IY29435
Symptoms: On SOLARIS platforms USERNAMES > 8 characters in length are truncated
- APAR IY29801
Symptoms: Follow DEP is not resolved for a FTA job which is a SUCCESSOR of a job stream containing jobs defined on different CPUS
- APAR IY31085
Symptoms: Days offset is not logged in STD list when adding a dependency
- APAR IY31373
Symptoms: Report 10B lacks start time for reruns at 00:00
- APAR IY31726
Symptoms: Report 09D displays repeat range where none exists
- APAR IY31732
Symptoms: Recovery job inherits the original dependencies of original job
- APAR IY31898
Symptoms: The writer create defunct process after JNEXTDAY
- APAR IY32176
Symptoms: CRMFP1 is not in CPUTABLE received multiple time in IN MAESTRO STDLIST
- APAR IY32595
Symptoms: After 7.0-TWS-0140 opens file DEPS are sometimes solved on the MASTER for FY get lost from the FTA to the master
- APAR IY35149
Symptoms: JOBLNCH.EXE cannot find PSAPI.DLL after installing 7.0-TWS-0150

Internal Defects in 8.1-Tivoli Workload Scheduler-0006

- Internal CMVC Defect 116911
Symptoms: evtsize to report the current size of any .msg file
- Internal CMVC Defect 139745
Symptoms: User/Es ulimit not respected with >2GB files
- Internal CMVC Defect 141626
Symptoms: Class::PopulateTZtable abends if no Symphony is found
- Internal CMVC Defect 142351
Symptoms: Abend during VAffill_errhandle
- Internal CMVC Defect 143262

Symptoms: Composer "add/modify cpu" problems

- Internal CMVC Defect 149340

Symptoms: oserv failure when trying to display AllJobDefinition on Linux

- Internal CMVC Defect 149137

Symptoms: Uninitialised memory or empty msg written into msg box

- Internal CMVC Defect 148956

Symptoms: TWS for z/OS APAR PQ65794

- Internal CMVC Defect 148971

Symptoms: TWS for z/OS APAR PQ65556

- Internal CMVC Defect 149008

Symptoms: TWS for z/OS APAR PQ65694

APARs in 8.1-Tivoli Workload Scheduler-0004 for Version 8.1

- APAR IY31645

Symptoms: Cancel job command from JSC must be allowed in an ENDTOEND

- APAR IY31184

Symptoms: Composer comments greater than 127 characters cause the error of SCHEDULR parser error and corrupts the DB

- APAR IY31181

Symptoms: BM check file entries in LOCALOPTS are being doubled when the checking for file is done

- APAR IY31137

Symptoms: SCHEDULR abends when 127TH characters in schedule dependency is the # SYMBOL

- APAR IY30857

Symptoms: AWS11250006I Unable to open output file received when using the composer create command as a user who is not the MAESTRO user

- APAR IY29572

Symptoms: Error when invoking the MORESTD L and JOBSTD L SCRIPTS-AWS2234000

- APAR IY29459

Symptoms: DATECALC show the system-date when it is launched by Tivoli Workload Scheduler

- APAR IY29284

Symptoms: Composer errors follows dependencies when the job used for follows is prefix of another job.

- APAR IY29117

Symptoms: JSC - ADHOC prompt generates OSERV message on answer

APARs in 8.1-Tivoli Workload Scheduler-0004 for Version 6.1 or 7.0

- APAR IY31594

Symptoms: JOBMON abending on WINNT FTA's

- APAR IY31528

Symptoms: JSC - "CALL UNISON" message appears when view dependencies for job in plan when you click OK.

- APAR IY31434

Symptoms: Full status FTA jobs do not get RD records properly if opens is checked on MASTER on MASTER CPU in the same domain

- APAR IY30162

Symptoms: DR. WATSON error during high job causes system crash and requires reboot on .

- APAR IY29877

Symptoms: Tivoli Workload Scheduler processes creating NT handle leaks while running scripts utilizing mapped drives in a NOVELL user administrator environment

- APAR IY29842

Symptoms: Submitted job info lost during STAGEMAN step of JNEXTDAY on MDM.

- APAR IY29249

Symptoms: Job events may get lost when switching the backup master

- APAR IY28374

Symptoms: MAGENT dies when CONMAN kill used on job in USERJOBS SCHED on FTA

- APAR IY27514

Symptoms: Incorrect "SWITCHED" message at the end of startup command output

- APAR IY27512

Symptoms: X-agent jobs stuck in ABEND+ OR SUCC+ state if carryforward

- APAR IY20201

Symptoms: Cannot change password within JSC SCHEDULAR controller information do not show up in STDLIST

- APAR IY16098

Symptoms: LOGMAN writes negative numbers for jobs running on XAS

Internal Defects in 8.1-Tivoli Workload Scheduler-0004

- Internal CMVC Defect 140909

Symptoms: TWSPPlus: TWSPPlus fix pack 2 fails on Solaris and Win2000

- Internal CMVC Defect 140818

Symptoms: TBSM Integration: used cp command instead of copy command into

- Internal CMVC Defect 140684

Symptoms: TBSM Integration: modified the design so that the number of objects sent into each packet during the build discovery is customizable.

- Internal CMVC Defect 140575

Symptoms: TBSM Integration: memory leaks problems

- Internal CMVC Defect 140350

Symptoms: E2E limitation not performed in TWS Connector

- Internal CMVC Defect 138479

Symptoms: Dependency on full status WS from job different domain higher in domain hierarchy is not resolved. Job stays in ready.

- Internal CMVC Defect 137651

Symptoms: EBCDIC Euro code pages does not work

- Internal CMVC Defect 137569

Symptoms: Tivoli Workload Scheduler for z/OS APAR PQ60253

- Internal CMVC Defect 136036
Symptoms: Opens dependency mechanism redesign
- Internal CMVC Defect 135344
Symptoms: It's not possible carry forwarding two jobs in USERJOBS with same name
- Internal CMVC Defect 135188
Symptoms: TWS Connector fails submit jobstreams on Linux
- Internal CMVC Defect 134434
Symptoms: 8.1-TWS-0002 (build 20020305) composer error on NT Problems
Fixed in 8.1-TWS-0002:
- APAR IY26157
Symptoms: Schedules with executing jobs are not carry forwarded even if "CARRYFORWARD=ALL" is set into the GLOBALOPTS.
- APAR IY27157
Symptoms: Jobs follows dependency modified by JSC when Jobstreams properties window is opened
- APAR IY27812
Symptoms: TWSPLUS Module 8.1 - SETUP TEC event server task errors
- APAR IY27814
Symptoms: TWSPLUS Module 8.1 - SETUP TEC event server task errors (PERL)
- APAR IY28002
Symptoms: Follows and opens dependency causes AWS22010005E
- APAR IY28084
Symptoms: "AWS20760015 Cannot open database when trying to create PARM on a FTA
- APAR IY28096
Symptoms: Installation failure of TWS8.1 Plus Module on AIX4.3.3 platform
- APAR IY28803
Symptoms: Tivoli Workload Scheduler 8.1, patch 0001, job with recovery option of continue crashes BATCHMAN
- APAR IY14748
Symptoms: CPU'S sharing server ID are affected by one problem CPU
- APAR IY17613
Symptoms: Composer add report a wrong job indication in case of error
- APAR IY21145
Symptoms: Resources get reset at JNEXTDAY for USERJOBS
- APAR IY21459
Symptoms: 2 SCHEDS with same job with same file DEP. File DEP not being reset to no after 1st DEP is answered
- APAR IY22146
Symptoms: CONMAN SHOWJOB with qualifier prefix '~' (TILDE) does not return proper information
- APAR IY24661
Symptoms: CONMAN SETSYM reverts back to current symphony file after a few minutes of idle time
- APAR IY24831

- Symptoms: Tivoli Workload Scheduler is logging everything to SYSLOGD at the LOG_ERR level
- APAR IY25303
Symptoms: X-agent jobstream gets modified as MPE JOBSTREAM.
 - APAR IY25417
Symptoms: Cannot create PARM using double quote (") character from COMMAN
 - APAR IY25421
Symptoms: After submitting a ADHOC schedule, it stays on hold until next CONMAN command us issued
 - APAR IY25875
Symptoms: FD_OPEN receives null file DESSCRIPTOR return from NT OS API
 - APAR IY26115
Symptoms: The JCL attribute of job object in security file does not work
 - APAR IY26464
Symptoms: MAESTROLPLINES has no effect to the output of report7
 - APAR IY26544
Symptoms: ADHOC submit and rerun cause error "ATTEMPTING TO WRITE NIL" on RECNUM 32768
 - APAR IY26704
Symptoms: The database and plan audit logs are being created using the UMAASK of user that first writes to audit files rather than Tivoli Workload Scheduler use
 - APAR IY26853
Symptoms: Error 6 reported in application log when shutting down TOKENSRV
 - APAR IY27438
Symptoms: Maestro service reports an invalid state
 - APAR IY27477
Symptoms: BATCHMAN abends when writing to EVENT.LOG
 - APAR IY27487
Symptoms: Temporary files SXX.XX created in the root DIR not removed
 - APAR IY27494
Symptoms: 'Composer validate' requires read/write access by Tivoli Workload Scheduler user
 - APAR IY27578
Symptoms: Ready job problem, domain manager is not aware of partial resolution of dependencies and does not release jobs
 - APAR IY27579
Symptoms: JOBMAN:+ ERROR receiving data MONITOR.C:323 ERROR = NO ERROR
 - APAR IY27772
Symptoms: RMSTDLIST script sometimes removes UNWANTED(NEW) STDLIST
 - APAR IY28254
Symptoms: Jobs DB gets corrupted on SOLARIS after composer build when LC_ALL locale variable is UNSET
 - APAR IY28291

Symptoms: JNEXTDAY and reports 7, 8, 9, 10, and AND XREF COREDUMP ON 64-BIT AIX running TWS 7.0

- Internal CMVC Defect 126497
Symptoms: Interwork DEP not working for ADHOC schedules connector
- Internal CMVC Defect 128161
Symptoms: Sched does not start with OPENS file for a standard agent
- Internal CMVC Defect 131173
Symptoms: APAR IY27174 : cannot browse job log from alternate plan view
- Internal CMVC Defect 131174
Symptoms: IY27157 jobs follow DEP. Changed by JSC when JS PROPERT.IS OPEN
- Internal CMVC Defect 131547
Symptoms: Error message during Jnextday on NT platform
- Internal CMVC Defect 131753
Symptoms: TWSPPlus: common-tec-install.sh contains "let" command that is not supported by bourne shell
- Internal CMVC Defect 132433
Symptoms: TWSPPlus: wrong variable name into config_nontme_logfile.sh
- Internal CMVC Defect 134159
Symptoms: 8.1-TWS-0002 (build 20020305) Composer modify cpu problem
- Internal CMVC Defect 134659
Symptoms: 8.1-TWSPLUS-0002: provide script for unistalling of fixpack
- Internal CMVC Defect 134665
Symptoms: 8.1-TWSPLUS-0002: event 11 is copyied into BmEvents.conf instead of number 111
- Internal CMVC Defect 134667
Symptoms: 8.1-TWSPLUS-0002: EventGroup TWSPPlus filters all TWS events;
- Internal CMVC Defect 134694
Symptoms: 8.1-TWSPLUS-0002: Event 119 is mapped by TEC in a wrong manner
- Internal CMVC Defect 134788
Symptoms: Configuration Adapter 31 TME on Manage Node failed.

APARs in 8.1-Tivoli Workload Scheduler-0001

- APAR IY04058
Symptoms: When using parameters, if the number of characters in a DOCOMMAND exceeds 256 characters, get error 2210.16 upon PARM expand
- APAR IY05018
Symptoms: If two users access the database at the same time, the database is corrupted
- APAR IY09979
Symptoms: An XA hosted by \$MASTER is not switched to the new master
- APAR IY10837
Symptoms: Test qualifiers in open statement on UNIX REMOTE XA does not work
- APAR IY11079
Symptoms: Master not receiving a SUCC when jobs run near the JNEXTDAY
- APAR IY14997

- Symptoms: Script utilizing visual basic/C++ encounter runtime errors
- APAR IY15224
Symptoms: CONMAN SJ returns "NO QUALIFIED ENTRIES 2202.72 "on a SOLARIS
- APAR IY15577
Symptoms: SCHEDULES/JOBNAMES of 8 characters truncated in MAESTROHOME/ATJOBS
- APAR IY16682
Symptoms: \$THISCPU in security file is ignored for schedules
- APAR IY17029
Symptoms: Composer replace reports warning AWS11250006I and AWS11040004I
- APAR IY17189
Symptoms: Compiler reports a warning message "NO HOST SPECIFIED" for SA
- APAR IY17288
Symptoms: On job completion a defunct process is spawned on UNIX
- APAR IY17667
Symptoms: CONSLOG file cannot be automatically deleted on FTAS
- APAR IY17798
Symptoms: Warning message get truncated for Composer command
- APAR IY18185
Symptoms: Japanese message of TWS becomes garbled
- APAR IY18517
Symptoms: Error on component when using symbolic LINKS(DEFECT 90634)
- APAR IY18552
Symptoms: CONMAN "SUBMIT J=<CPU>#" submits all defined jobs for specified CPU
- APAR IY19805
Symptoms: Job number with 5 digits gets truncated to 4 digits in the REPTR -POST -DETAIL. Last digit of job 3 gets truncated
- APAR IY20215
Symptoms: CONMAN confirm command does not allow confirmation of repeating jobs.
- APAR IY20296
Symptoms: Reports XREF does only work with the owner of script.
- APAR IY20778
Symptoms: A timing issue during JNEXTDAY cause MAILMAN on DM to not close
- APAR IY20847
Symptoms: CONMAN SR @#:DEPS does not list jobs in status exec
- APAR IY20954
Symptoms: BATCHMAN ABENDS when an until (DEADLINE) time on job is reached
- APAR IY20990
Symptoms: The CMD PARMS does not work when the security-file use \$THISCPU and the CPU-NAME is larger than 8 characters
- APAR IY21441

Symptoms: File check messages for a FTA get sent to all 7.0 FTA'S thru master causes MAILBOX.MSG file to get very large

- APAR IY21668
Symptoms: Follows and files dependency not correct.
- APAR IY21729
Symptoms: Schedule not releasing resource upon completion
- APAR IY21988
Symptoms: JCL keyword in job object DEF of security file prevents the reading & applying of any other job OBJECTDEF for the same user
- APAR IY22565
Symptoms: BATCHMAN abends with SIGSEGV when deleting a needs dependency
- APAR IY22566
Symptoms: The Conman stop CMD return no ERR-OUTPUT in the JNEXTDAY script
- APAR IY23180
Symptoms: Jobs abend with BATCHMAN reporting J0 as job number
- APAR IY23198
Symptoms: NT-JOB create some 102 event entries in the EVENT.LOG (FAIL)
- APAR IY24317
Symptoms: Composer 1.22 is core dumping when exporting job definitions
- APAR IY26227
Symptoms: TWS 8.1 SWITCHMGR does not complete successfully
- APAR IY26392
Symptoms: Running customize with -UPDATE option does not update NETMAN
- APAR IY26396
Symptoms: COMAN output Japanese character garbled
- APAR IY19916
Symptoms: NT USER password not being changes correctly. See closed APAR IY17119
- APAR IY20621
Symptoms: Composer build corrupts databases causing 1/1/1970 date to appear in "last update" field of JSCONSOLE.
- APAR IY22295
Symptoms: Job stream W/2 JOBS..INTER DEP and another job W/REQ for inter DEP,1ST job wait, , 2ND INTER DEP INTRODUCED..CREATES ADD'TL RECS
- APAR IY22827
Symptoms: JSC is using ADDDEP command to change priority
- APAR IY25833
Symptoms: AIX JSS/CONN/ENG does not allow job streams to be saved correctly
- Internal CMVC Defect 124617
Symptoms: Error msg for adding job is not correct and confusing
- Internal CMVC Defect 125426
Symptoms: Incorrect TWS instructions allowed on fault tolerant agents
- Internal CMVC Defect 125634.1

- Symptoms: Composer: problem with "add Sfinal" in Japanese locale
- Internal CMVC Defect 127601
 - Symptoms: Japanese security messages become garbage
- Internal CMVC Defect 128160
 - Symptoms: Installation of Plus Module fails if TEC on a different MN
- Internal CMVC Defect 128228
 - Symptoms: Configure adapter fails on endpoint
- Internal CMVC Defect 128256
 - Symptoms: After patch , RMSTDLIST command does not work
- Internal CMVC Defect 128424
 - Symptoms: Configure adapter fails searching for the Format File Pathname

This section includes the following topics:

- "Architecture(s)"
- "Dependencies"
- "Files Replaced by this Patch"
- "Patches Superseded by this Patch"
- "Patch Contents" on page 24
- "Applying the Fix Pack" on page 25
- "UNIX" on page 25
- "Windows" on page 26
- "Tivoli Workload Scheduler Plus Module" on page 26
- "Tivoli Workload Scheduler Connector" on page 27

Architecture(s)

AIX, HPUX, SOLARIS, WIN32 (Intel), LINUX (Intel, S390), IRIX, OSF, DYNIX

Dependencies

IBM Tivoli Workload Scheduler Version 8.1

Files Replaced by this Patch

All Tivoli Workload Scheduler files (complete update)

Patches Superseded by this Patch

- Patch: 8.1 - Fix Pack 1
 - PTF Number: U481302
 - Component: Tivoli Workload Scheduler Version 8.1
- PTF Number: U481303
 - Component: TWS Connector Version 8.1
- Patch: 8.1 - Fix Pack 2
 - PTF Number: U482258
 - Component: Tivoli Workload Scheduler Version 8.1 and Tivoli Workload Scheduler Connector Version 8.1
- Patch: 8.1 - Fix Pack 3
 - PTF Number: U483828
 - Component: Tivoli Workload Scheduler Version 8.1 and Tivoli Workload Scheduler Connector Version 8.1
- Patch: 8.1 - Fix Pack 4

PTF Number: U484623

Component: Tivoli Workload Scheduler Version 8.1 and Tivoli Workload Scheduler Connector Version 8.1

- Patch: 8.1 - Fix Pack 5

PTF Number: U485968

Component: Tivoli Workload Scheduler Version 8.1 and Tivoli Workload Scheduler Connector Version 8.1

- Patch: 8.1 - Fix Pack 6

PTF Number: U487473

Component: Tivoli Workload Scheduler Version 8.1 and Tivoli Workload Scheduler Connector Version 8.1

- Patch: 8.1 - Fix Pack 7

PTF Number: U489588

Component: Tivoli Workload Scheduler Version 8.1 and Tivoli Workload Scheduler Connector Version 8.1

- Patch: 8.1 - Fix Pack 8

PTF Number: U495889

Component: Tivoli Workload Scheduler Version 8.1 and Tivoli Workload Scheduler Connector Version 8.1

- Patch: 8.1 - Fix Pack 9

PTF Number: U496402

Component: Tivoli Workload Scheduler Version 8.1 and Tivoli Workload Scheduler Connector Version 8.1

- Patch: 8.1 - Fix pack 10

PTF Number: U400019

Component: Tivoli Workload Scheduler Version 8.1 and Tivoli Workload Scheduler Connector Version 8.1

- Patch: 8.1 - Fix pack 11

PTF Number: U498734

Component: Tivoli Workload Scheduler Version 8.1 and Tivoli Workload Scheduler Connector Version 8.1

Patch Contents

Patch Contents in CD

- README.U800231 (this file)
- 8.1.0-TIV-TWS-FP0012.VSR
- AIX
 - MAESTRO.TAR
- HPUX
 - MAESTRO.TAR
- SOLARIS
 - MAESTRO.TAR
- LINUX
 - I386
 - MAESTRO.TAR
 - S390
 - MAESTRO.TAR

- IRIX
 - MAESTRO.TAR
- OSF
 - MAESTRO.TAR
- DYNIX:
 - MAESTRO.TAR
- I386NT:
 - MAESTRO
 - Setup.exe
 - Other installation files
- TWSPLUS
 - MAESTRO.TAR

Note: If you download the patch from FTP, there is no MAESTRO.TAR but a number of unpacked installation files.

- U1_TWS.image

Applying the Fix Pack

Notes:

1. Always verify that you have a viable backup before installing any software.
2. Also read “**Additional Installation Instructions**” on page 27.
3. Make sure to back up the *TWSHOME/Tbsm/TbsmAdapter/adapter.config* configuration file. It will be replaced during the installation of this Fix Pack.
4. You should start the installation of this Fix Pack when no high workload of running Tivoli Workload Scheduler jobs is present on your system. You will have to wait for all jobs to complete in order to have all the Tivoli Workload Scheduler processes down (see below).

UNIX

The CD contains a directory for each platform with a TAR file that is specific for each operating system. Follow these steps to apply the fix pack:

1. Unlink the host on which you are installing the fix pack from the Tivoli Workload Scheduler network and shutdown Tivoli Workload Scheduler. Use the following command:


```
conman "unlink @; noask"
conman "shut; wait"
```
2. Wait until all jobman processes are down.
3. Log on as root user.
4. Make sure ALL the Tivoli Workload Scheduler processes are stopped:
 - a. Run `ps -ef` to obtain a list of running processes.
 - b. Run `kill term pid` for every running Tivoli Workload Scheduler process.
 - c. If this does not work, run `kill -9 pid`.

If you have difficulties or doubts about which processes are started by Tivoli Workload Scheduler, look for the process names in the *TWSHOME/version/version.info* file.

5. Download the operating system-specific MAESTRO.TAR file to the Tivoli Workload Scheduler home directory and untar it with the following command:


```
tar xvf MAESTRO.TAR
```

This will create the following two files:

- maestro.tar.Z
- customize

6. You may have to set the **execute** bit on the customize script as follows:

```
chmod 755 customize
```

7. Run the customize script with the **-update** option as follows:

```
customize -update -uname <tw_s_user>
```

Windows

While installing the fix pack on Windows 2000, you are recommended to keep Services snap-in and all other handles to the Tivoli Workload Scheduler services closed (see Microsoft® Windows bug Q287516 for more information).

To apply the fix pack on Windows NT® and on Windows 2000 follow these steps:

1. Unlink the host on which you are installing the patch from the Tivoli Workload Scheduler network and shutdown Tivoli Workload Scheduler. Use the following commands:

```
conman "unlink@; noask"  
conman "stop; wait"  
shutdown
```

2. Wait until the jobmon and joblnch processes are down.
3. Log on as Administrator.
4. Download the I386NT directory from the fix pack CD onto your system.
5. Make sure ALL the Tivoli Workload Scheduler processes are stopped:
 - a. Run *TWSHOME\unsupported\listproc* to obtain a list of running processes.
 - b. Run *TWSHOME\unsupported\killproc pid* for every running Tivoli Workload Scheduler process.

If you have difficulties or doubts about which processes are started by Tivoli Workload Scheduler, look for the process names in the *TWSHOME\version\maestro.info* file.

6. Run *setup.exe* to install the fix pack and follow the instructions on the screen. When the prompt for the user name appears, type the name of the *TWS user* for which you are installing the fix pack.

Tivoli Workload Scheduler Plus Module

To successfully apply the fix pack to the Plus Module, you must have the **install_product** and **super** authorization roles.

Follow these steps:

- Using the Tivoli desktop, select the **Install -> Install Patch...** option from the **Desktop** menu to display the Install Patch dialog.
- Press the **Select Media...** button to display the File Browser dialog.
- Enter the path to the directory containing the patch in the **Path Name:** field.
- Press the **Set Media & Close** button to return to the Install Patch dialog. The patch install list now contains the name of the patch. Select the patch by clicking on it.
- Select the clients where you want to install this patch.
- Press the **Install** button to install the patch.

Tivoli Workload Scheduler Connector

It is required that both the Tivoli Workload Scheduler master workstation and the connector be at the same level. Therefore, when you install this fix pack on the connector, make sure that you also install the fix pack for the Tivoli Workload Scheduler engine on the master workstation.

To install this fix pack, you must have the General Availability version of the connector for IBM Tivoli Workload Scheduler 8.1, with or without the previous fix pack. You must also have Job Scheduling Services Version 1.2.

To install the fix pack, follow these steps on the workstation that runs the connector:

1. Insert the CD of the fix pack.
2. Open the Tivoli desktop and click on **Desktop -> Install->Install Patch...**
3. Select the installation path in the file browser of Select Media.
4. Follow the instructions listed in the Tivoli Job Scheduling Console User's Guide to complete installation.

Additional Installation Instructions

This section includes the following topics:

- **"Fix Pack Installation Policy and Changes in the Opens Dependency Mechanism"**
- "Notes for the User" on page 28
- "Changed Syntax for evtsize Command" on page 28
- **"Autotrace level 3.1.5"** on page 28
- **"TY35486 - Windows Users Information"** on page 28
- **"165022 Documentation Error in Tivoli Workload Scheduler Reference Guide"** on page 29
- "TY41955 - Windows Silent Installation" on page 29
- "TY45797 - Cannot apply a Tivoli Workload Scheduler fix pack on W2K if installation directory is different from the twsuser home directory" on page 30
- "Feature 153685: Implementation of nocheck and wait Options for submit Command" on page 30
- "Feature 153621: Implementation of at/until time and absolute Keywords" on page 30
- "168083 End- to- end: Re-use of deleted dependencies position" on page 31
- "APAR IY52476 Documentation APAR" on page 31
- **"Known Defects and Limitations for the Scheduler"** on page 32
- **"Known Defects and Limitations for Tivoli Workload Scheduler Connector"** on page 33

Fix Pack Installation Policy and Changes in the Opens Dependency

Mechanism: From fix pack 4 or later, the best way to install the patch should be to do it at the same time on all agents. In case of transitory resolution problems, these can be resolved by applying the patch on the agents that do not follow the latest version of the resolution algorithms.

A complete simultaneous upgrade is a difficult condition to ask for; for this reason, a more progressive upgrading procedure is described below. Not all the upgrade schemes are compatible with the correct operation of Tivoli Workload Scheduler. This section describes the best choices to move to the latest patch.

Due to changes in the Opens dependency polling, the patch is to be installed preferably bottom-up.

The change in addressing of the Fy record implies that agents bearing files or hosting other agents with files (included XAs) have to be updated after any non-full status FTA that depends on those files, and before any domain manager with such non-full status FTAs that depends on those files in its domain.

During transition, some errors may appear about unknown 'Id' messages. These messages do not bear any operational content; they circulate for informational purposes. Be aware that these messages could fill the stdlists more quickly than expected.

A safe path for migration is outlined below:

1. Patch the FTAs that are non- domain managers, non-full status, and that depend on files stored on other FTAs.
2. Patch the FTAs that are non-domain managers that have the files other jobs depend from, or that host the XAs that have the files that other jobs depend on.
3. Patch the domain managers.

Notes for the User

This section describes important information affecting the use of Tivoli workload Scheduler.

Changed Syntax for `evtsize` Command

The syntax for the `evtsize` command has a new option. Instead of:

- `evtsize {-V | -U | <filename><newsized> }`

it becomes:

- `evtsize {-V | -U | -show <filename><newsized> |}`

You can use the `-show` option to query information about the maximum size of the current file and current queue length.

Autotrace level 3.1.5

This fix pack uses Autotrace level 3.1.5. The new level is used in order to fix APAR IY37113. As a consequence, before you run any of the Autotrace commands (the ones contained in the `TWSHOME/trace` directory), you must set the environment variables as follows:

```
ATTRACELIB=/usr/Tivoli/TWS/TKG/3.1.5/lib
```

- For AIX:

```
LIBPATH=$ATTRACELIB:$LIBPATH; export LIBPATH
```

- For HP-UX:

```
LIBPATH=$ATTRACELIB:$LIBPATH; export LIBPATH (32bit)  
SHLIB_PATH=$ATTRACELIB:$SHLIB_PATH; export SHLIB_PATH (64 bit)
```

- For Solaris:

```
LD_LIBRARY_PATH=$ATTRACELIB:$LD_LIBRARY_PATH;export LD_LIBRARY_PATH
```

IY35486 - Windows Users Information

APAR IY35486 has been opened to improve error messages reporting NT/W2K domain account authentication problems that affect Tivoli Workload Scheduler.

To verify the security information Tivoli Workload Scheduler needs to resolve the Windows user name account.

Two types of users exist in Windows:

- Domain users. They are defined in the Domain Controller.
- Local users. They are defined in the network workstations.

For a domain user, Tivoli Workload Scheduler makes a request to the Primary Domain Controller (or to any Domain Controller for Windows 2000 Active Directory) to obtain any available Domain Controller. Tivoli Workload Scheduler uses the Domain Controller provided by the Primary Domain Controller to fill out the users structure.

For a local user Tivoli Workload Scheduler makes a request that is processed by the local workstation.

Tivoli Workload Scheduler specifies two types of user:

- The maestro user.
- The streamlogon user.

These are the steps that Tivoli Workload Scheduler performs for Windows authentication:

1. Tivoli Workload Scheduler searches the Reference Domain for the user. The Reference Domain is either the name of the Windows network for the domain user or the name of the local workstation for the local user. Involved API: LookupAccountName.
2. If the user is a domain user, Tivoli Workload Scheduler asks the Primary Domain Controller for any available Domain Controller that can resolve the account for the user into the Reference Domain. Involved API: NetGetAnyDCName for Windows NT or DsGetDcName for Windows 2000.
3. Tivoli Workload Scheduler asks the Domain Controller (or the local workstation if the user is local) for the user information. API involved: NetUserGetInfo. On Windows 2000 the permissions for this API are contained in the group: BUILTIN\ "Pre-Windows 2000 compatible access". For more details, see the MSDN Microsoft Web Site.

You may see error messages concerning the above APIs for the following processes: jobmon, jobman, batchman, mailman, netman, writer, batchup, and joblnch.

165022 Documentation Error in Tivoli Workload Scheduler Reference Guide

In the Tivoli Workload Scheduler Reference Guide correct the following example of **makecal** command:

```
makecal -e -i24
makecal -r 3 -s "30 MAY 1999"-i30
```

as follows:

```
makecal -e -i 24
makecal -r 3 -s "30 MAY 1999" -i 30
```

A blank space is required between the -i option and the digits.

IY41955 - Windows Silent Installation

On Windows, to install the product in silent mode, you must perform the following steps:

1. Copy the Setup.iss file available in the CD fix pack to your work directory.

2. Customize the Setup.iss file by specifying the Tivoli Workload Scheduler user, the Tivoli Workload Scheduler home directory and other settings.
3. From the CD directory run the setup.exe program with the following options:
Setup.exe -f1<Setup.iss_full_pathname> -f2<log_file_name>
4. At the end of the installation, check in the log file to see if the installation ended successfully.

IY45797 - Cannot apply a Tivoli Workload Scheduler fix pack on W2K if installation directory is different from the twsuser home directory

Starting with Fix Pack 09, the Windows Silent Installation process completes successfully only if the Setup.iss configuration file contained in the fix pack is used. Versions of Setup.iss in previous fix packs do not work. You must therefore customize the new Setup.iss of fix pack 09.

Feature 153685: Implementation of nocheck and wait Options for submit Command

This feature implements two options, "nocheck" and "wait" to use together with the follows keyword in a conman submit command. The submit command can be issued against a schedule, a job, or an adhoc job. The follows dependency can be either a pre-sched dep or pre-job dep. The "nocheck" option inhibits conman from checking if the dependency exists in Symphony. It is related to the follows keyword that precedes it and is valid for every dependent object specified in the operands list of the follows keyword.

In the following example:

```
conman sbd dir follows=paperino,topolino;nocheck follows=DonaldDuck,MickeyMouse
```

conman does not check for the dependency existence of paperino and topolino in Symphony, but it does check for the dependency existence of DonaldDuck and MickeyMouse. As a consequence of a nocheck option after a follows keyword, conman prints a warning message for each operand to which the option applies. Batchman adds the argument of the submit command (job/sched) and discards all the dependency records not found in the Symphony file. For each discarded dependency, batchman prints a warning message in the stdlist file.

The "wait" option checks for the dependency in Symphony every second, until it finds it or until the specified time interval has expired. This option requires a parameter that represents a time interval in seconds (maximum value is 1200 sec). Like "nocheck", the "wait" option applies to all the operands list of the follows dependency that precedes it.

The functionality of conman does not change. When the timeout expires, it means that the dependency was not found in the Symphony and conman prints an error message. When the timeout does not expire, it means that the dependency was found and conman prints a message stating that the submit command completed successfully. The combined use of "wait" and "nocheck" is allowed. In this case, the "wait" option takes effect first; then if the dependency is not found in the Symphony, conman forwards it to batchman.

Feature 153621: Implementation of at/until time and absolute Keywords

The time value in the AT/UNTIL options is considered as follows: if the time value is less than the current time, it is considered for the next day. If the time value is greater than the current time, it is considered for the current day. If you specify a

time value greater than 2400, this value is divided by 2400 to obtain the number of days. If you specify days, these are added to the previously obtained value. This is the syntax for the sbj, sbd, sbf, sbs, and addep commands:

```
sbj <object> ;at=time [Time Zone] [absolute | abs]
```

Examples:

```
sbj dir ;at=2700 absolute
sbj dir ;at=2700 TZ JST abs
sbj dir ;at=1200 TZ JST absolute
```

If you specify the absolute keyword with at/until time, the scheduling date is the current date time with respect to the specified Time Zone. If the current time is greater than the at/until time, the <object> is submitted immediately. If you specify a time value greater than 2400, this value is divided by 2400 to obtain the number of days. The absolute keyword cannot be used together with "+ n days" or "date".

168083 End- to- end: Re-use of deleted dependencies position

The code fix for internal defect 168083 applies only to Tivoli Workload Scheduler networks working in end-to-end environments (that is, where the master domain manager is a z/OS host).

A dependency is a condition that must be satisfied before a job (or operation) is launched. When Tivoli Workload Scheduler works in end-to-end configurations, only follows (successor/predecessor) and time dependencies are allowed. The maximum number of follows dependencies allowed for an operation (job) is 40.

Using either ISPF or the Job Scheduling Console, users can add or remove predecessors/successors of a particular operation running on a fault-tolerant workstation.

The problem fixed by this patch arises when the operation (job) already has 40 dependencies. If a user first deletes a number of dependencies to make room for new ones (keeping the number within the allowed limit) and then tries to add the new dependencies, Tivoli Workload Scheduler will log on stdlist that the limit of 40 dependencies has been reached and that new ones cannot be inserted.

APAR IY52476 Documentation APAR: Symptoms: Every job with AT times behavior should be changed back to the way it worked before.

IY52475 is a DOC APAR raised to explain how Tivoli Workload Scheduler works with the EVERY option. If the every option is used with the AT dependency the product is designed to launch jobs at specific points in time. The following example launches the job testjob1 every 15 minutes, "testjob1 at 1800 every 15".

The job is launched at 1800, 1815, 1830 and so on. If one rerun is delayed (for a dependency or for any other reason) the product realigns to the AT time so in this case it is possible that one or two iterations do not respect the EVERY rate. For example, if the above job is submitted adhoc at 1833 the reruns occur at 1833, 1834, 1845 and so on. In the example above, the job started at 1833, the start time is set to 1800 and it starts at 1833 the next rerun will have the start time set to 1830 (the start time of the previous job + three every rate) and it starts at 1834, the next rerun will have the start time set to 1845, it will start at 1845. To calculate the number of iterations that do not respect the every rate in a job, you have to consider two time values.

- The start time: this is the expected start time of the job, it is displayed by conman when the job has not started to run. It is set to the AT time specified for the job or to the time when the rerun should be launched.
- The time started: this is the actual start time of the job, it is displayed by conman when the job has run.

To calculate the number of iterations that do not respect the every rate you have to consider the last run of the job. When Tivoli Workload Scheduler creates a new "rerun job" it sets the "expected" start time of the job, this value is calculated by adding to the start_time of the previous job as many "every rate" as possible but without exceeding the current value.

If the EVERY option is used without the AT dependency the rerun jobs are scheduled always respecting the EVERY rate specified, starting from the time when the job actually started. If the EVERY option is used with the AT dependency there could be some interactions that do not respect the EVERY rate. For all other cases the every rate is always respected.

167318 Remove Copyright String from JOBMANRC.: To remove Copyright String, it needs to customize own jobmanrc command as jobmanrc command into directory config.

Installation Considerations: None

Special Considerations: None

Known Defects and Limitations for the Scheduler

- 155874 Error message of modify calendar is corrupted when LANG=ja_JP.eucJP.
- 156386 On Solaris 5.8 command "build" on composer gets error for big file.
- 156532 Two error messages when defining a job you are not allowed.
- 162763 Recovery job inherits "interactive" from parent in a schedule.
- 165685 DBCS-On Windows only the apar IY46982 (TWS-8.1-FP08) is not fixed.
- 165700 composer <system command> cannot handle DBCS parms.
- 165701 conman dj <jobselect> does not show job except Jnextday.
- 165702 conman <system command> cannot handle DBCS parameters.
- 165703 conman tellop cannot handle DBCS parms.
- 165704 rep8 -b cannot run on D: (or E:, F: ...) drive.
- 165705 rep7 -v command was issue on Windows prompt error message displayed.
- 166676 info of jobs in userjobs lost if Task type is a long string.
- 168111 the script version fails on linux because of nawk is not present.
- 168364 Installation TWS81 Fix Pack 9 fails if some files with restricted permission are installed on the directory "/usr/Tivoli" (read the section Additional installation instructions).
- 170598 Symptoms: DIVT:Makecal command displays error when issued w/o argument.
- 170618 Symptoms: DIVT:Job names with Jap.char will not display job info using jbextract
- 170655 Symptoms: DIVT:DBCS filenames created thru create command can not be edited.
- 170657 Symptoms: DIVT:Garbled msg when replacing files w/ duplicate definition.

- 170760 Symptoms: DIVT:Rep commands display garbage characters on JP FTA machines
- 170761 Symptoms: DIVT: Wmaetuil command gives garbled msgs
- 170762 Symptoms: DIVT: Disp command display garbage char on WinJP FTA machines
- 170765 Symptoms: DIVT: Cextract command display garbage characters on WinJP FTA

Known Defects and Limitations for Tivoli Workload Scheduler Connector

Defect 134562:

Configuration:

- TMR Server where Connector 8.1 and patch 1 are installed
- Managed Node without Tivoli Workload Scheduler Connector

In this scenario of a TMR Server that has already installed the Tivoli Workload Scheduler Connector 8.10 GA + fix pack 1 or later, when you try to install the Tivoli Workload Scheduler Connector 8.1.0 GA on a Managed Node that is connected to this TMR an error occurs.

This was due to an incorrect revision level of Tivoli Workload Scheduler 8.1.0 Connector GA, there is a workaround to by-pass this problem and to be able to install on the Managed Node.

- Copy on your local Machine all the images of the Tivoli Workload Scheduler Connector 8.1.0 GA. (where the Managed Node is installed)
- Edit the TWS_CONN.ind file, to change the revision level from 0.03.00 to 8.01.11.
- If you have installed on the TMR Server the Tivoli Workload Scheduler Connector 8.1.0 GA and fix pack 2, the revision level must be 8.01.02. Otherwise, if you had on the TMR Server the Tivoli Workload Scheduler 8.1.0 Connector fix pack 1, the revision level to set is 8.01.01.
- In this way the installation of the Tivoli Workload Scheduler Connector 8.1.0 GA will be allowed.

Chapter 2. Contacting IBM Software Support

Before contacting IBM® Software Support with a problem, refer to the IBM Software Support site by accessing the following Web address:

<http://www.ibm.com/software/support>

To access Tivoli® support, click the Tivoli support link at the bottom right of the page.

If you want to contact IBM Software Support, see the *IBM Software Support Guide* at the following Web site:

<http://techsupport.services.ibm.com/guides/handbook.html>

The guide provides information about how to contact IBM Software Support, depending on the severity of your problem, and the following information:

- Registration and eligibility.
- Telephone numbers, depending on the country in which you are located.
- Information you must have before contacting IBM Software Support.

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