

ECS Configuration Change Request

1. Originator Cherry Kenney	2. Log Date: 10/3/01	3. CCR #: 01-0784	4. Rev: -	5. Tel: 301-883-4177	6. Rm #: 3008H	7. Dept. DEV/CO
8. CCR Title: Patch_ 6A04_DSS.02c for all DAACs						
9. Originator Signature/Date /s/ Cherry Kenney 10/3/01			10. Class II	11. Type: CCR	12. Need Date: 03Oct01	
13. Office Manager Signature/Date /s/ Randall J. Miller 10/3/01			14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted:			17. Schedule Impact: n/a		18. CI(s) Affected: DSS	
19. Release Affected by this Change: 6A		20. Date due to Customer: 03Oct01		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 29053, 31556, 32005, 27950 , 31589, 31994, 31977, 31598, 32063, 31701, 31784						
23. Problem: (use additional Sheets if necessary) Need to deliver various fixes that have been made to the DSS components (Distribution, Science Data Server, and Storage Management). This includes fixes to two Severity 1 NCRs, six Severity 2 NCRs. and two Severity 3 NCRs. Sev 1 NCRs are listed below: 32005 - Desc: GSFC/SMC ECSCGuest Orders not appearing in Distribution 31589 - Desc: GSFC/SMC Storage management database table overflow -						
24. Proposed Solution: (use additional sheets if necessary) Deliver Patch_ 6A04_DSS.02 . Patch 6A.04_DSS.02c supersedes Patch_6A.04_DSS.01, Test Executable 6A.04_HDFE0S.01B (EDC DAAC Only), TE_6A.04_DDIST_STMGT(All DAACs) , Test Executable - 6A.04_STMGT_TRAN.01(All DAACs) and TE_6A.04_SDSRV.01(EDC, GSFC, and LaRC DAACs ONLY).						
25. Alternate Solution: (use additional sheets if necessary) Wait until next s/w release						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Delays in getting fixes to the field, DAACs must continue to work around problems						
27. Justification for Emergency (If Block 15 is "Emergency"): NCR fixes are needed at the DAACs to support the 6A.04 baseline in OPS mode						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): /s/ Steve Fox 10/3/01			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. M&O CCB Chair (Sign/Date): /s/ Debra Stepp 10/3/01			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 01-0784

Rev: - Originator: Cherry Kenney

Telephone: 301-883-4177

Office: 3204D

Title of Change: Patch_6A04_DSS.02c for all DAACs

Actions:

Clearcase:

Please roll up the following packages on a SUN and IRIX65 tar files.

Sun:

- > .EcDsDdDISTSRVR.pkg
- > .EcDsDdDdistGUI.pkg
- > .EcDsSCLI.pkg
- > .EcDsSdDatabase.pkg
- > .EcDsSdOPSWs.pkg
- > .EcDsSdSDSRV.pkg
- > .EcDsStD3.pkg
- > .EcDsStGUI.pkg
- > .EcDsStRequestManager.pkg

SGI:

- > .EcDsSdHdfEos.pkg
- > .EcDsSdSrvAMSR.pkg
- > .EcDsSdSrvDb.pkg
- > .EcDsSdSrvGLAS.pkg
- > .EcDsSdSrvLLBOX.pkg
- > .EcDsSdSrvMISR.pkg
- > .EcDsStArchive.pkg
- > .EcDsStDatabase.pkg
- > .EcDsStIngestFtp.pkg
- > .EcDsStPullMonitor.pkg

Also please make a separate SUN tar file which includes all the /ecs/formal/ESDT/lib/sun5.5/*.so files. These are DLLs that must be installed with SDSRV (there was a recent GE change so all the DLLs should be delivered and installed).

The tar files should be called Patch_6A.04_DSS.02c

DAAC INSTALLATION INSTRUCTIONS

1. Get TAR Files from CM distribution.
2. UNTAR the files and copy to the staging area using the Setup.ksh file. Be sure to select "Y" when prompted for "Update ECS Assist Common Files" to get the latest version of ECS ASSIST. THIS MUST BE RUN AS ROOT.

You will get three tar files: Two SUNs and one IRIX65. Untar them all. Be sure to install the latest version of Ecs Assist when you untar the the SUN or IRIX tar file that does NOT contain the DLLs.

3. To apply this patch use E.A.S.I to install the following packages:

- .EcDsDdDISTSRVR.pkg
- .EcDsDdDdistGUI.pkg
- .EcDsSdSDSRV.pkg
- .EcDsSdOPSWs.pkg

.EcDsSdDatabase.pkg

.EcDsStArchive.pkg

.EcDsStDatabase.pkg

.EcDsStIngestFtp.pkg

(You do not need to install the following packages even though they are on the tape, but if you do that is OK. --

.EcDsSCLI.pkg

.EcDsSdHdfEos.pkg

.EcDsSdSrvAMSR.pkg

.EcDsSdSrvDb.pkg

.EcDsSdSrvGLAS.pkg

.EcDsSdSrvLLBOX.pkg

.EcDsSdSrvMISR.pkg

.EcDsStD3.pkg

.EcDsStGUI.pkg

.EcDsStRequestManager.pkg

.EcDsStPullMonitor.pkg

The .EcDsSdMOC.pkg was not put in the tarfile and is not needed since it has not changed since the 6A.04 delivery.

PATCH_6A.04_DSS.02c replaces PATCH_6A.04_DSS.01.

2. Check the database patch number for STMGT and SDSRV. If they are not already at the following versions use EcsAssist Subsystem Manager to update the SDSDV and STMGT databases accordingly.

The patch number for STMGT should be 78

The Patch number for the SDSRV databases should be 6072.

(If you are transitioning a mode for the first time after this delivery, be sure you install the .EcDsStDatabase.pkg from this Patch BEFORE you transition your STMGT database. Make sure the databases are at the listed patch levels when you have finished transitioning. If you have already transitioned your STMGT database, then you only need to apply the new patches.)

3. There are no new configuration parameters for STMGT, DDIST or SDSRV for DSS.02c. But there were new configuration parameters for DDIST delivered as part of previous 6A.04 patches. If the parameters have already been configured, skip to step 4.

The new DDIST parameters that were previously delivered were as follows:

RETRIVAL_CHUNK_SIZE -- Max number of files that can be pulled from AMASS in a single request to AMASS (this parameter was added with STMGT_DDIST_01 TE)

PullHostInetAddress -- the parameter that will be sent out as the "fully qualified path name" for your distribution notifications for users that are doing FtpPulls. (Installed as part of Patch_6A.04_DSS.01)

To set the PullHostInetAddress in your .cfgparms file and the EcDsDistribution.CFG file you should bring up EcsAssist Subsystem manager on the host where DDIST is installed and run mkconfig for the EcDsDd Component. There will be a new parameter called PullHostInetAddress. The value of this parameter can be ANYTHING you want it to be (including blank). There is no value checking of this parameter. The value can be a fully qualified host name like g0acg01u.ecs.nasa.gov (the default value) or an IP address or any combination you want it to be. The code does not care what this value is as it is not used, but just passed in the mail message. Since there is no value checking, please be careful to set the correct value for your DAAC in this parameter.

To apply the registry patch for this parameter, you use EcsAssist to apply the registry patch from the file /usr/ecs/<MODE>/CUSTOM/.installed/DSS/distribution/.rgypatch. The Registry patch does not properly set the value though, so after you run the .rgypatch you should then bring up the RegistryGUI and set the value of the parameter to the value you put in your mkcfg. If you want to use the same value for this new parameter for all modes, I suggest you edit the following file in the staging area BEFORE you install any mode. The name of the file in the staging area would be: /<staging_area>/SUN/CUSTOM/.installed/DSS/distribution/.rgypatch .

Alternately if you don't want to run the registry patch you can use the Population tool to populate the registry with the new Distribution Server parameters after you run mkcfg, but be sure you compare the current values in the registry with the ones generated by the mkcfg process before you do this. You don't want to override any parameters that you have previously set only in the Registry.

The third way to get this value in the Registry is to simply use the Registry GUI and add the new parameter and value.

4. The third TAR file that comes with this patch is a copy of all the new DLLs. Recently there was a change to SDSRV which caused all the DLLs to be rebuilt. Use your install user (cm<mode>) to copy the DLLs to /usr/ecs/<MODE>/CUSTOM/lib/ESS and then use the mode-manageruser (cmshared or allmode) to copy the DLLs to /usr/ecs/<MODE>/CUSTOM/lib/DSS. (Be sure you do this BEFORE you start the SDSRV and try to use it.)

Also included in the third TAR file is the file which contains the SDSRV valids. To install the SDSRV valids copy the DsDbSODictionaryData.sql file from the Staging area to the /usr/ecs/<MODE>/CUSTOM/dbms/DSS directory on the host where the SDSRV resides. The using ECS assist from the Databases menu choose Install valids. Enter the database server, DBO, DBO password and the name of the database. Then click OK. ECS Assist will report when the valids have been reloaded. If you wish to verify there were no problems install the SDSRV valids you may review the EcDsSrDbValid.log. You should see no error messages.

5. Remember if you have not previously done so, please configure the names of the hosts which have HIPPI connections in the STMGT GUI for the EcDsStFtpServer(s). This was covered at one of the recent Patch IPT meetings in September.

END OF DAAC INSTALL INSTRUCTIONS

IMPORTANT INFORMATION FOR FTP HIPPI HOST CONFIGURATION INSTRUCTIONS

NCR31556

To reduce the overhead of always attempting to connect to HiPPI host for FTP sessions, there have been several changes to the system. The changes affect the STMGT Gui, STMGT Database, FTP Servers, and the Cache Manager Servers. In order to use the HiPPI interface for FTP transfers, the operator must configure the list of all available HiPPI enabled hosts from the STMGT GUI. When any of the affected servers are brought up they will query the database to learn which host have HiPPI connections available. Each FTP server may have a different set of host for which it may attempt to use its HiPPI interface. The list is stored on the STMGT table "DsStFtpHippiHost". There are six new stored procedures for accessing this table.

In order to add host(s) to the list, the user must click on "Modify Server" (not "Add Server") after selecting an FTP server from the List of FTP's. On the Gui there will be a list of all host and the FTP servers which they are configured. In order to add a host to the list press the "Add Host" button and fill in the name of the host in the text field on the pop up dialog. The operator may either add the host to the FTP server which he is currently modifying or he may add them to all of the FTP servers as provided by the buttons on the bottom of the pop up. The "Add to All Ftp's" option is for convenience so the user would not have to manually switch the server he is modifying and retying the same host. Normally, the operator would add the host to all of the FTP's unless there is a special reason why he would not want a particular server to attempt a HiPPI connection with a host with that capability. Once the host has been added to the list, it is displayed on the "HiPPI Enabled Host" list on the server configuration form. This list specifies which hosts are configured for which server(s). The list is not specific to the FTP server for convenience. The list shows all host and all servers to prevent the user from having to switch forms to know how each server is configured. This also makes deletion of the server much easier. The user deletes one or more server/host pairs by clicking them (using the control key to select more than one pair). When all of the host which he wishes to de-configure from the associated FTP servers are selected, the user must push the "Delete Host" button. A warning message will be displayed then after selecting "OK", they will be removed from the list and from the database.

Once the operator has made these changes the STMGT servers can be brought up or bounced. If the list is not configured, FTP connections can be established, just without a HiPPI interface. The Cache manager also uses the FTP server classes; therefore it had to be modified to handle the changes. The Cache Manager does not need to be configured separately on the GUI. Instead, it searches the database for all HiPPI hosts regardless of which FTP server they are mapped to. If it attempts to connect to any of those host in the "DsStFtpHippiHost" table, it will attempt to use the interface. The operator must make sure that any host that he wants the Cache Manager to connect to using HiPPI is configured for at least one FTP server. It should be noted that in order for the changes made in the GUI to take affect on the servers they must be bounced so they can load the new list. If a HiPPI connection fails the server will connect without it.

Item 23(Continued)

Sv=3, Bug id = ECSed29053, Subsystem = OPS_SDSRV
Desc: Remove ESDT script does not work with multiple servers

St=V, Sv=2, Bug id = ECSed31556, Subsystem = OPS_STMGT
Desc: FTP server always attempts to use hippi interface

St=R, Sv=1, Bug id = ECSed32005, Subsystem = OPS_SDSRV
Desc: GSFC/SMC ECSGuest Orders not appearing in Distribution

St=V, Sv=3, Bug id = ECSed27950, Subsystem = OPS_SDSRV
Desc: Short Discription: Changing Filter in SDSRV GUI Clears file

St=V, Sv=1, Bug id = ECSed31589, Subsystem = OPS_DBDM
Desc: GSFC/SMC Storage management database table overflow - OPS a
+

St=V, Sv=2, Bug id = ECSed31994, Subsystem = OPS_DBDM
Desc: Getting Arithmetic Overflow when try BatchDelete from GUI

St=T, Sv=2, Bug id = ECSed31977, Subsystem = OPS_SDSRV_ESDT
Desc: SDSRV Hasn't Processed Any Requests Today!

St=T, Sv=3, Bug id = ECSed31598, Subsystem = OPS_SDSRV_IIF
Desc: SDSRV ignores metadata validation failure

St=R, Sv=2, Bug id = ECSed32063, Subsystem = OPS_STMGT
Desc: CacheManager garbage collection thread terminated unexpectedly

St=T, Sv=2, Bug id = ECSed31701, Subsystem = OPS_DBDM
Desc: Fwd SMC/GSFC: Suspended distribution jobs couldn't be resum

St=T, Sv=2, Bug id = ECSed31784, Subsystem = OPS_DBDM
Desc: GSFC/SMC: RestoreResultsMismatch in Distribution (assign t

Summary of NCRs

ECSed29053 - \$SERVER environment variables is not set. Change \$SERVER to \$DSQUERY

Files in Task:

/ecs/formal/DSS/sdsrv/sybase/db/tools/DsDbCleanCollection
/ecs/formal/DSS/sdsrv/sybase/db/tools/DsDbCleanGranules

Test Instructions for Checkout Lab:

Set multiple SQS servers in EcDsScienceDataServer.CFG.rgy script file.
/*****for example set DSQUERY to
DSQUERY = f2acg01_sq322_srvr f2acg01_2_sq322_srvr
/*****running /usr/ecs/\$MODE/CUSTOM/utilities/EcDsSrRmesdt script.

ECSed32005 - GSFC/SMC ECSGuest Orders not appearing in Distribution

4 Files in Task:

/ecs/formal/DSS/sdsrv/src/sr/DsSrGenConnection.h
/ecs/formal/DSS/sdsrv/src/sr/DsSrSession.cxx
/ecs/formal/DSS/sdsrv/src/sr/DsSrSession.h

/ecs/formal/DSS/sdsrv/src/sr/lmakefile
/ecs/formal/DSS/sdsrv/src/sh/DsShConnectionReal.cxx
/ecs/formal/DSS/sdsrv/src/sh/DsShConnectionReal.h
/ecs/formal/DSS/include/DsShConnectionReal.h
/ecs/formal/DSS/include/DsSrGenConnection.h
/ecs/formal/DSS/include/DsSrSession.h

. Test Instructions for Checkout Lab:

- 1) Async submission of a request with SDSRV in Maintenance mode
 - Failed status should be returned
- 2) Async submission of a request that fails during processing
 - Failed request info should be written to a file

ECSed31556 - The STMGT GUI was changed so that the operator can manipulate a list of HiPPI enabled host to the database. When the FTP servers are brought up they load their HiPPI list from the database. At the the point a connection to a specific host the server now checks its list to see if a HiPPI connection is available to that host. The server will only attempt a HiPPI connection if the host it is connecting to is on its list. The Cache Manager server also uses some of the FTP classes. It was modified in the same manner as the FTP servers. However, the Cache manager does not have a list to be configured in the GUI, nor is does it have a separate table in the database. Instead it loads a list of host for all FTP servers and checks whether the host it is attempting to connect to belongs to any FTP. If so, it will attempt the HiPPI connection. The STMGT operator must make sure that the names of all HiPPI host that the Cache Manager may connect is configured for at least one FTP server.

Files in Task:

/ecs/formal/DSS/gui/src/stmgt/DsGuStConfiguration.cxx@@/main/relb/adash_ncr31556_6A04/2
/ecs/formal/DSS/gui/src/stmgt/DsGuStConfiguration.h@@/main/relb/adash_ncr31556_6A04/2
/ecs/formal/DSS/gui/src/stmgt/DsGuStConfiguration.uil@@/main/relb/adash_ncr31556_6A04/2
/ecs/formal/DSS/gui/src/stmgt/DsGuStmgtMW.cxx@@/main/relb/adash_ncr31556_6A04/2
/ecs/formal/DSS/gui/src/stmgt/DsGuStmgtMW.h@@/main/relb/adash_ncr31556_6A04/1
/ecs/formal/DSS/gui/src/stmgt/stmgt.uil@@/main/relb/maint_6A04/adash_ncr31556_6A04/2
/ecs/formal/DSS/include/DsStDBConstants.h@@/main/relb/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStFtpDeleteByServerId.sp@@/main/relb/maint_6A04/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/cache/DsStCacheManagerReal.C@@/main/relb/maint_6A04/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/cache/DsStCacheManagerReal.h@@/main/relb/maint_6A04/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/cache/DsStCacheManagerServiceThread.C@@/main/relb/maint_6A04/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/cache/DsStCacheManagerServiceThread.h@@/main/relb/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/cmn/db/DsStDBConstants.h@@/main/relb/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/ftp/server/DsStFtpReal.C@@/main/relb/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/ftp/server/DsStFtpReal.h@@/main/relb/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/ftp/server/DsStFtpServiceThread.C@@/main/relb/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/ftp/server/DsStFtpServiceThread.C@@/main/relb/adash_ncr31556_6A04/2
/ecs/formal/DSS/stmgt/src/ftp/server/DsStFtpServiceThread.h@@/main/relb/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/ftp/service/DsStFtpService.C@@/main/relb/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/ftp/service/DsStFtpService.C@@/main/relb/adash_ncr31556_6A04/2
/ecs/formal/DSS/stmgt/src/ftp/service/DsStFtpService.h@@/main/relb/maint_6A04/adash_ncr31556_6A04/1
/ecs/formal/DSS/stmgt/src/ftp/service/DsStFtpService.h@@/main/relb/maint_6A04/adash_ncr31556_6A04/2
/ecs/formal/DSS/stmgt/src/ftp/service/DsStFtpWrappers.C@@/main/relb/adash_ncr31556_6A04/1

Test Instructions for Checkout Lab:

Load a list of HiPPI host using the STMGT GUI for a particular server. Attempt to do an PUSH from SDSRV. In test one, make sure that the host you are connecting to is not on the HiPPI list setup for that server. Check the logs for the FTP and make sure that no attempt was made to make a HiPPI connection. For test two, do a PUSH to a host on the HiPPI list. Make sure that the server attempts a HiPPI connection to that host. In both test, it is irrelevant if the host you are configuring for the server actually has a HiPPI connection, it just needs to be noted wheth

ECSed27950 - In EcDsSdSrvGui, when entering a group of ESDT's using a filter and then changing the filter , the original list entered is not removed any more. Add and update mutiple ESDTs at one time.

Files in Task:

/ecs/formal/DSS/gui/src/sdsrv/DsGuMultiFile.h
/ecs/formal/DSS/gui/src/sdsrv/DsGuMultiFile.cxx

Test Instructions for Checkout Lab:
Running EcDsSdSrvGui, Add and update mutiple ESDTs at one time

ECsed31556 New HippHost table and associated stored procs

4. Files in Task:

```
/ecs/formal/DSS/stmgt/.EcDsStmgtDBPatch.iu@@/main/relb/maint_6A04/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/.EcDsStmgtDBProc1.iu@@/main/relb/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/.cfgpatch@@/main/relb/maint_6A04/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/.dbparms@@/main/relb/maint_6A04/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStFHDeleteSingleFtp.sp@@/main/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStFHInsertAllFtp.sp@@/main/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStFHInsertSingleFtp.sp@@/main/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStFHSelectAll.sp@@/main/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStFHSelectByServerId.sp@@/main/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStFtpDeleteByServerId.sp@@/main/relb/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbBuild@@/main/relb/maint_6A04/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbCheckObjects.sql@@/main/relb/maint_6A04/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbInitialData.sql@@/main/relb/maint_6A04/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch76.ksh@@/main/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch76.sql@@/main/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch@@/main/relb/maint_6A04/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbReadMe.txt@@/main/relb/maint_6A04/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbTables.sql@@/main/relb/maint_6A04/dhall_31556_6A04/1
/ecs/formal/DSS/stmgt/src/Database@@/main/relb/maint_6A04/dhall_31556_6A04/1
```

Give an explanation for each item in Installation/Configuration Impacts for which you selected Yes:
.cfgpatch .dbparms updated as result of new patch 76

Test Instructions for Checkout Lab:
install and patch stmgt db with patch 76
Ensure HippHost table is created and stored procs exist in db

ECsed31994 - Updated 2 stored procs which incorrectly set variable for VolumeGroupId to numeric(5) when it should have been of type identityid

. Files in Task:

```
/ecs/formal/DSS/stmgt/.EcDsStmgtDBPatch.iu@@/main/relb/maint_6A04/dhall_31994_6A04/1
/ecs/formal/DSS/stmgt/.cfgpatch@@/main/relb/maint_6A04/dhall_31994_6A04/1
/ecs/formal/DSS/stmgt/.dbparms@@/main/relb/maint_6A04/dhall_31994_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStPDSelectBatchDeleteFiles.sp@@/main/relb/dhall_31994_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStPDSelectResumeFiles.sp@@/main/relb/dhall_31994_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbInitialData.sql@@/main/relb/maint_6A04/dhall_31994_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch77.ksh@@/main/dhall_31994_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch77.sql@@/main/dhall_31994_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch@@/main/relb/maint_6A04/dhall_31994_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbReadMe.txt@@/main/relb/maint_6A04/dhall_31994_6A04/1
```

Test Instructions for Checkout Lab:
Install and patch stmgt to patch level 77
first dump database before applying patch

ECsed31994ECsed31589 - Updated 2 stored procs which incorrectly set variable for VolumeGroupId to numeric(5) when it should have been of type identityid Modified schema on DsStStagingDiskLien for the primary key field to be identitylg instead of identityid

. Files in Task:

/ecs/formal/DSS/stmgt/.EcDsStmgtDBPatch.iu@@/main/relb/maint_6A04/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/.cfgpatch@@/main/relb/maint_6A04/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/.dbparms@@/main/relb/maint_6A04/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStGRRestartNotification.sp@@/main/relb/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStPDSelectBatchDeleteFiles.sp@@/main/relb/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/DsStPDSelectResumeFiles.sp@@/main/relb/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbInitialData.sql@@/main/relb/maint_6A04/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch77.ksh@@/main/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch77.sql@@/main/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch78.ksh@@/main/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch78.sql@@/main/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbPatch@@/main/relb/maint_6A04/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbReadMe.txt@@/main/relb/maint_6A04/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database/EcDsStDbTables.sql@@/main/relb/maint_6A04/dhall_31994_NOFW_6A04/1
/ecs/formal/DSS/stmgt/src/Database@@/main/relb/maint_6A04/dhall_31994_NOFW_6A04/1

Test Instructions for Checkout Lab:

Install and patch stmgt to patch 78

verify schema for DsStStagingDiskLien to ensure StagDiskLienId is of type identitylg

ECSed31784ECSed3170 Fixes problem with Distribution mismatch during startup of DDist.

Files in Task:

DsDdDistListS.C
DsDdGranulesS.h
DsDdDistFileS.C
DsDdDistFileS.h
DsDdGranuleS.C
EcDsStDbPatch
EcDsStDbReadMe.txt
DsDdFDeleteTrig.sql
DsDdFInsert.sp
DsDdGInsert.sp
EcDsStDbTables.sql
EcDsStDbPatch75.ksh
EcDsStDbPatch75.sql
EcDsStDbInitialData.sql
EcDsDistributionServer
libDsDdS.sh
DistTest

ECSed32063 add try catch block for STMGT ServiceThread to catch any unknown exceptions.

Files in Task:

/ecs/formal/DSS/stmgt/src/threadmgr/DsStServiceThread.C@@/main/relb/tzhou_ncr32063/1

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