

ECS Configuration Change Request

1. Originator Cherry Kenney	2. Log Date: 9/20/01	3. CCR #: 01-0739	4. Rev: -	5. Tel: 301-883-4177	6. Rm #: 3008H	7. Dept. DEV/CO
8. CCR Title: TE_6A.04_SDSRV.01 For GSFC and Langley DAACs. Diagnostic fix for NCR 32005 to give Science Data Server the capability to write information about a failed request into a directory						
9. Originator Signature/Date <i>Cherry A. Kenney 9/20/01</i>		10. Class II	11. Type: CCR	12. Need Date: 20Sept01		
13. Office Manager Signature/Date <i>John P. 9/20/01</i>		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:SDSRV			
19. Release Affected by this Change: 6A		20. Date due to Customer: 20Sept01	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: 32005(dianostic fix), 31877 (was duplicated to 32005)						
23. Problem: (use additional Sheets if necessary) Changes for ECSed32005 give the Science Data Server the capability to write information about a failed request into a directory 32005 GSFC/SMC ECSGuest Orders not appearing in Distribution 31877 - MOP011 data orders not received when placed via EDG(Duplicated to 32005)						
24. Proposed Solution: (use additional sheets if necessary) Deliver TE_6A04_SDSRV.01. Software delivered is a change to code to provide dianostic information for developer GSFC and LARC DAAC see install instructions for details on how to enable the saving of failed request,						
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 GSFC and LaRC DAACs impedes developers anlysis of problem						
27. Justification for Emergency (If Block 15 is "Emergency"): NCR diagnostic fix is needed at the GSFC and LaRC DAACs to assist developer with problem analysis						
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 type="checkbox"/> NSIDC <input 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): <i>Bill Miller 9/20/01</i>		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date): <i>John P. 9/20/2001</i>		Disposition: <u>Approved</u> 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 #: 01-0739 Rev: — Originator: Cherry Kenney

Telephone: x301-883-4177 Office: 3204D

Title of Change: TE_6A.04_SDSRV.01 For GSFC and Langley DAACs. Diagnostic fix for NCR 32005 to give Science Data Server the capability to write information about a failed request into a directory

Actions:
Clearcase:

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

Sun:

.EcDsSCLI.pkg
> .EcDsSdDatabase.pkg
> .EcDsSdOPSWS.pkg
> .EcDsSdSDSRV.pkg
> .

SGI:

> .EcDsSdHdfEos.pkg
> .EcDsSdSrvAMSR.pkg
> .EcDsSdSrvDb.pkg
> .EcDsSdSrvGLAS.pkg
> .EcDsSdSrvLLBOX.pkg
> .EcDsSdSrvMISR.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 TE_6A04_SDSRV.01

DAAC INSTALLATION INSTRUCTIONS

1. Get TAR Files from CM distribution.

List of packages

.EcDsSCLI.pkg
> .EcDsSdDatabase.pkg
> .EcDsSdOPSWS.pkg
> .EcDsSdSDSRV.pkg
> .EcDsSdHdfEos.pkg
> .EcDsSdSrvAMSR.pkg
> .EcDsSdSrvDb.pkg
> .EcDsSdSrvGLAS.pkg
> .EcDsSdSrvLLBOX.pkg
> .EcDsSdSrvMISR.pkg

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.

3. On a SUN host, use E.A.S.I. to perform automated installation of all ten packages listed above as follows:

- a. Select the Mode to be installed

 ORIGINAL

- b. Enter the location of the staged files
 - c. Select CUSTOM and Click Next
 - d. Click on the "Sort by: Subsystem" button and Select the "DSS" icon. Click on the EcDsSr icon.
 - e. Click Next
 - f. Select Install as the Installation Phase and Click Next
 - g. STAGING AREA will be shown as the Installation Type. Click Next
 - h. Click COMM and ensure all displayed hosts turn green, signaling they are communicating with E.A.S.I.
 - i. Click INSTALL and monitor each host. Ensure each host turns green signaling a successful installation. NOTE: During installation you may receive a warning indicating that a required file (EcTsDsClientDriverStart) does not exist. You may safely ignore this warning.
4. On the xxacsxx machine, patch the SDSRV database as necessary:
 - a. Identify the current version of the SDSRV database. If the database version is less than 6072, run DbPatch from the ECS Assist Subsystem Manager (select DBPatch from the Database menu after having selected the mode, subsystem (DSS), and component (EcDsSr) in the GUI).
 5. On the xxacsxx machine, install the DLLs:
 - a. If you have not done so already, manually untar the file in the staging area that contains only the DLLs (this should be the set of 3 SUN files that do not have a _Setup.ksh file associated with them).
 - b. From the normal installation account (cm<mode>), copy the DLLs from the staging area to the /usr/ecs/<MODE>/CUSTOM/lib/ESS directory.
 - c. From the account used to run your servers (usually cmshared or allmode), copy the DLLs from the staging area to the /usr/ecs/<MODE>/CUSTOM/lib/DSS directory.
 6. DO NOT RUN mkcfg
 7. Run registry patch for DMS using ECS Assist Subsystem Manager:
 - a. Select Tools from the top line Menu
 - b. Select Registry Data Patch
 - c. Enter the Registry DB access parameters as prompted. Ensure that the <RETURN> key is pressed after entering the value for Registry DB Name. Click the down arrow to select the appropriate Registry Tree to Patch. Click the "Select Patch File" button to enter the path where the .rgypatch is located.
/usr/ecs/<MODE>/CUSTOM/installed/DMS/.rgypatch

Summary of NCRs

ECSed32005 - GSFC/SMC ECSGuest Orders not appearing in Distribution

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/makefile
 /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

CM01AJA00

