

ADDITIONAL SHEET

CCR#: 04-0025 Rev: — Originator: Derrick Clark
Telephone: 301-925-1024 Office: 3000N
Title of Change: TE_6A.08_INGEST.02A

Actions:

Clearcase

Please create the following tar files from the 6A08EBF1 baseline.

 Please make on IRIX65 tar file with the following packages:

 .EcInAPCSVR.pkg
 .EcInINTFCSVR.pkg
 .EcInDatabase.pkg
 .EcDICheckSumServer.pkg

 Please make on SOL8 tar file with the following package:

 .EcInGUIOPSWWS.pkg

Please label these tar files TE_6A.08_INGEST.02A

This is to deliver Ingest Check Sum functionality (3015ST).

TE_6A.08_INGEST.02A Installation Instructions

PATCH DEPENDENCIES:

This patch must be installed on top of 6A.08, Patch_6A.08_System.01, and Patch_6A.08_INGEST.01B.

PRE-INSTALLTION:

1. Copy the *irix65* tar files into the <staging_area>/IRIX65/ directory
2. Using the setup.ksh file untar the 6A.08_INGEST.02A tar file in the <staging_area>/IRIX65/ directory
3. cd <staging_area>/IRIX65/CUSTOM
4. cd <staging_area>/IRIX65/CUSTOM/dbms
5. chmod -R 775 *
6. Copy the *sun5.8* tar files into the <staging_area>/SOL8/ directory
7. Using the setup.ksh file untar the 6A.08_INGEST.02A tar file in the <staging_area>/SOL8/ directory
8. cd <staging_area>/SOL8/CUSTOM
9. As root, re-run the setup.ksh file and install EcsAssist file when prompted.
10. At a minimum, shutdown all Ingest servers, Polling Instances, Ingest GUI instances, and Data Pool Quick servers running on xxdrgnn hosts.
11. The EcDICheckSumServer has a configuration parameter called "CORRUPT_FILES_DIRECTORY". This parameter has to be configured to a directory that can handle large files. We recommend this directory be created by an operator with root privileges allowing read and write access by the cmshared account. Please consult Sarah Lewallen to determine the best directory location. e.g. /data2/CORRUPTED_FILES_DIR.

ADDITIONAL SHEET

CCR#: 04-0025 Rev: —

Originator: Derrick Clark

Telephone: 301-925-1024

Office: 3000N

Title of Change: TE_6A.08_INGEST.02A

INSTALLATION:

1. Logon to any SUN in the .sitemap
2. Using E.A.S.I select the “Full” for install type and install the listed packages.

CONFIGURATION:

INGEST

The following configuration parameters were added for Ingest.

Parameter	Default Value	Description/Recommended Value
EcInGran		
CKSUMSRVR_PORT_NUM	The value is set by the .cfgpatch/.rgypatch.	This is the port number the EcDICheckSumServer listens on.
CKSUMSRVR_RETRY_TIME_INTERVAL	60	The number of seconds to wait before the next retry.
CKSUMSRVR_RETRY_ATTEMPTS	5	The number of retry attempts.
CKSUMSRVR_VERIFY_ATTEMPTS	3	The number of attempts to verify Ingest checksum
CKSUMSRVR_VERIFY	OFF	This value can either be “ON” or “OFF”. Set value to “ON” to invoke Ingest check sum functionality.

1. Log on to the host where the .EcInINTFCSVR.pkg is installed. (xxicgmn or xxacgmn)
2. Bring up EcsAssist and using Subsystem Manager run the Mkcfgs for Ingest.
3. Change directory to “/usr/ecs/<MODE>/CUSTOM/cfg”.
4. You should have all other Ingest related configuration files moved to their respective *.rgy file. Delete those files keeping only the Ingest GranServer configuration files.
5. At this point, you have the choice to load the Ingest GranServer configuration data into the registry using EcCoPopulateRegistry and bypass the steps in the “**Registry Changes**” section.
6. Move every Ingest GranServer configuration file to its respective *.rgy file.

Registry Changes

1. Logon to the host where the .EcInGUIOPSW.S.pkg is installed (xxacsnn).
2. Change directory to “/usr/ecs/<MODE>/CUSTOM/installed/INS”
3. Edit the .rgypatch and uncomment lines 90 thru 93. Replace <GranInstance> with the appropriate instance name. Copy lines 90 thru 93 for each instance your DAAC may have. Lines 94 thru 99 represent the attribute “CKSUMSRVR_PORT_NUM” by mode. Uncomment the line which sets the “CKSUMSRVR_PORT_NUM” for the specific mode you are installing and copy the line that follows the mode for each

ADDITIONAL SHEET

CCR#: 04-0025 Rev: —

Originator: Derrick Clark

Telephone: 301-925-1024

Office: 3000N

Title of Change: TE_6A.08_INGEST.02A

GranInstance your DAAC may have. Line 117 represents the attribute “HWCI_HOST_MAPPING”. Uncomment line 117 which sets the “HWCI_HOST_MAPPING” for the specific GranInstance you are adding and copy the line for each GranInstance that your DAAC may have.

4. Bring up EcsAssist Subsystem Manager and using the tool to load a .rgypatch run the /usr/ecs/<MODE>/CUSTOM/.installed/INS/.rgypatch

DPL

The following configuration parameters were added for DPL

Parameter	Default Value	Description/Recommended Value
EcDICheckSumServer		
Site	Your DAAC's name. eg.LARC	DAAC Name
AppLogSize	10000000	Maximum size allowed for Alog files before rolling over.
AppLogLevel	0	
DebugLevel	3	Determines the amount of output recorded in debug log files.
CKSUMSRVR_PORT_NUM	The value is set by the .cfgpatch/.rgypatch. It is also documented in the Software Port Mapping document.	This is the port number the EcDICheckSumServer listens on.
CHECKSUM_PERCENTAGE	100	Percentage of files that will be checksummed during Data Pool copy.
USE_FUSED_SAN	Y	Used to control the san configuration for check summing (SAN READ ACTIVITY)
USE_CACHE	YES	

ADDITIONAL SHEET

CCR#: 04-0025 Rev: —

Originator: Derrick Clark

Telephone: 301-925-1024

Office: 3000N

Title of Change: TE 6A.08 INGEST.02A

CORRUPT_FILES_DIRECTORY	To be configured by DAAC operator.	Used to store corrupt check sum files for Ingest. We recommend you consult Sarah Lewallen as to the best directory to use. e.g. /data2/CORRUPTED_FILES_DIR. Someone with root privileges needs to create this directory which allows "cmshared" read and write access.
-------------------------	------------------------------------	--

1. Bring up EcsAssist and using Subsystem Manager run the Mkcfs only for EcDICheckSumServer and EcDIQuickServer.

DATABASE CHANGES:

Ingest Database changes

The current patch version of the Ingest database should be Patch number 6505.

The following describes the Patch that will be applied to the Ingest database:

Patch 6507 – This is the Ingest database patch; which supports Check Summing. InValFileCksumtype table was added. One column was added: FileCksumType. The values were added as part of the patch.

New Column descriptions:

FileCksum – Will contain the values "CKSUM" or "ECS" which will be used to enable check summing for INGEST.

To install this patch you must do the following:

1. Logon to the host where the Ingest Database packages is installed (see .sitemap)
2. Bring up EcsAssist Subsystem Manager and apply Patch 6507.

POST INSTALLATION:

Setting up the HWCI Host Mapping file

This new version of the EcInGran server requires a file called "InHWCI_Host_Mapping". The EcInGran server will query the file InHWCI_Host_Mapping to determine which EcDICheckSumServer to utilize.

1. This file will reside in directory "/usr/ecs/<MODE>/CUSTOM/data/INS"

ADDITIONAL SHEET

CCR#: 04-0025 Rev: —

Originator: Derrick Clark

Telephone: 301-925-1024

Office: 3000N

Title of Change: TE_6A.08_INGEST.02A

2. You will have to edit the file removing lines that are not applicable to your DAAC.

Server Startup

Bring up all Ingest Servers, Ingest Polling Instances, Ingest GUIs, and Data Pool Quick Servers that were shut down in the Pre Installation section.

Starting the EcDICheckSumServer

1. Logon to the host where the EcDICheckSumServer.pkg is installed (xxdrgnn)
2. Change directory to “/usr/ecs/<MODE>/CUSTOM/utilities”.
3. Execute EcDICheckSumServerStart <MODE> to start Check Sum Server process.