

Network (Push) Distribution Scenario (fault)

User	System	Operator
	(fault path)	
	All of the messages listed below go to a log file which may be viewed by operations personnel.	Specific alerts requiring operator intervention are <i>shown in italics</i> .
	User actions leading to an acquire (push transfer) request in Step 1 can be analogous to step 1 in the Data Pull Scenario	
Aug. 28, 1997, 14:00 Jim Unlucky at the University of Houston requests a PUSH transfer of a single CERES 12aF product (produced Aug. 27,1997)	2) LaRC Data Server receives a PUSH Data Distribution Request from Jim Unlucky for a single CERES 12aF product (334 MB in 24 files) LOG: receipt time - Aug. 28, 1997, 14:00; req. ID; requestor - Jim Unlucky, UH; request type - acquire; request state - queued	Review the log record at operator's discretion LaRC
Jim provides his site address, log-on ID and password		
	2) Retrieve Data from Persistent Storage Retrieve Associated Metadata LOG: receipt time - Aug. 28, 1997, 14:00; req. ID; requestor - Jim Unlucky, UH; request type - acquire; request state - processing; (Recalculate and compare file checksum)	Review the log and the queue record at operator's discretion

Network (Push) Distribution Scenario (fault) (cont.)

User	System	Operator
	(2. Continued) Upon completion of staging do (3) if available	
	LOG: receipt time - Aug. 28, 1997, 14:00; req. ID; requestor - Jim Unlucky, UH; site - jims_machine; log-on ID - bummer; request state - pending; 3 files; 836 MB	
	QUEUE: Aug. 25, 1997, 11:30; req. ID; Jim Unlucky, UH; 3 files; 836 MB; priority -M; media type - PUSH; state - pending	
	3) Apply Data Services, such as reformatting, requestor conversion, subsetting (not A), etc.	
	4) Log-on to destination machine (jims_machine)	
	Transfer requested files	Review the log and the queue record at operator's discretion
	LOG: receipt time - Aug. 28, 1997, 14:00; req. ID; requestor - Jim Unlucky, UH; site - jims_machine; log-on ID - bummer; request state - active; 3 files; 836 MB	Operator can manually change M - medium priority of the request to L - low, or H - high
	QUEUE: Aug. 25, 1997, 11:30; req. ID; Jim Unlucky, UH; 3 files; 836 MB; priority -M; media type - PUSH; state - active	

Network (Push) Distribution Scenario (fault) (cont.)

User	System	Operator
	Link goes down in mid-transfer	
	System retries N times (where N is determined by DAAC policy)	
	4) Continued	
	Link is NOT re-established after N tries.	
	LOG: receipt time - Aug. 28, 1997, 14:00; req. ID;	
	requestor - Jim Unlucky, UH;	
	site - jims_machine; log-on ID - bummer;	
	request state - failed after N tries; 3 files;	
	836 MB	
	De-queue the request.	
Jim Unlucky receives the notification of request failure due to link failure	5) Send an e-mail message to Jim Unlucky, UH: "request failed due to link failure".	Review the log and the queue record at operator's discretion
	LOG: receipt time - Aug. 28, 1997, 14:00; req. ID;	
	requestor - Jim Unlucky, UH;	
	site - jims_machine; log-on ID - bummer;	
	request state - failed; 3 files; 836 MB	