

**ECS Configuration Change request**

1. Originator Byron V. Peters	2. Log Date: <b>5 OCT 99</b>	3. CCR #: <b>99-0983</b>	4. Rev: -	5. Tel: 301/883-4077	6. Rm #: 2011C	7. Org. SED
8. Title of Change: Test anonymous ftp engineering technical directive update						
9. Originator Signature/Date <i>Byron V Peters 10/5/99</i>		10. Class <b>II</b>	11. Type: CCR		12. Need Date: 10/11/99	
13. Office Manager Signature/Date <i>James R Matler 10/5/99</i>		14. Category of Change: EDF		15. Priority: (If "Emergency" fill in Block 28). Routine		
16. Documentation/Drawings Impacted: None		17. Schedule Impact:		18. CI(s) Affected: DDIST		
19. Release Affected: Drop 4PY, 5A		20. Date due to Customer:		21. Impl. Date:		22. Estimated Cost: None
23. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other:						
24. Description of Change: (use additional Sheets if necessary) EDAAC received assistance from the Landsat folks at EDC in refining the anonymous ftp setup for ECS. The changes have been incorporated but need to be tested.						
25. Proposed Solution: (use additional sheets if necessary) Request RTSC test the attached procedure on an EDF SGI (recommend cherokee) and provide redlines.						
26. Alternate Solution: (use additional sheets if necessary) None						
27. Consequences if Change(s) are not approved: (use additional sheets if necessary) Release unverified procedure that may not work correctly.						
28. Justification for Emergency (If Block 15 is "Emergency"):						
29. Site(s) Affected: <input checked="" type="checkbox"/> EDF <input type="checkbox"/> Mini-DAAC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input 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						
30. Board Comments:				31. Work Assigned To:		
32. EDF/REL2 CCB Chair (Sign/Date): <i>David [unclear] 10/6/99</i>		33. Disposition: <u>Approved</u> A/C Disapproved Fwd/ECS Fwd/ESDIS		34. (TBD)		
35. M&O CCB Chair (Sign/Date):		36. Disposition: Approved A/C Disapproved Fwd/ECS Fwd/ESDIS		37. CM Manager's Closure:		
38. ECS CCB Chair (Sign/Date):		39. Disposition: Approved A/C Disapproved		40. CCR Closed Date:		

**ORIGINAL**



**ECS Project**  
**Engineering Technical Directive DRAFT**

**No. 99-011**

Subject: Anonymous FTP setup UPDATE  
The following directive is issued to all DAACS and labs.

**06 October-99**

**Issue:** Anonymous FTP must be setup and is required since most users pulling data from ECS will not have an ECS account.

**Fix:** Setup an anonymous FTP account and directory to allow users to obtain data via FTP from ECS.

**Testing:** From an Internet-based system, download a test file from the XXacg01 host using anonymous.

**Implementation:** The following steps are designed to help set up a network accessible anonymous FTP account:

1. Logon to the XXacg01 host as root (or su to root)
2. Create the anonymous FTP account in the passwd file:  
anonymous:\*:997:999:anonymous FTP account:/data4/OPS/apc/PullDisk/user:/dev/null

**IMPORTANT NOTE:** Use the correct physical name of the disk -- it may not be data4. The rest of the path, however, should be similar.

3. Create an anonymous FTP directory (if not already created):  
# mkdir /data4/OPS/apc/PullDisk
4. Set global access permission for the anonymous FTP directory tree:  
# chmod -R 771 /data4/OPS/apc/PullDisk  
# chown cmops.users /data4/OPS/apc/PullDisk
5. Change directory to the ftp home directory and create the subdirectories used for FTP access (if not already created):  
# cd /data4/OPS/apc/PullDisk  
# mkdir user  
# cd user  
# mkdir etc bin
6. Copy the ls executable to the bin directory and change permissions:  
# cp /bin/ls /data4/OPS/apc/PullDisk/user/bin  
# chmod 111 /data4/OPS/apc/PullDisk/user/bin/ls
7. For the user directory, set the owner to the user "ftp," and group to "cmops," and global read and access permissions to allow only owner and group to write but the world not to be able to read its contents :  
# chown ftp.cmops /data4/OPS/apc/PullDisk/user  
# chmod 171 /data4/OPS/apc/PullDisk/user

Anybody logging in as anonymous can now retrieve files in the user directory, but they must be told the name of the file beforehand because they cannot list the directory contents.

8. Edit the ftp passwd and group files as follows. The /data4/OPS/apc/PullDisk/user/etc/passwd file should contain:  
root:\*:0:0:super-user:./:/dev/null  
sys:\*:4:0:system activity owner:/usr/adm:/dev/null  
anonymous:\*:997:999:anonymous FTP account:/data4/OPS/apc/PullDisk/user:/dev/null



**ECS Project**  
**Engineering Technical Directive DRAFT**

**No. 99-011**

Subject: Anonymous FTP setup UPDATE

**06 October-99**

The /data4/OPS/apc/PullDisk/user/etc/group file should contain:

```
other::995
guest*:998
anonymous*:999
```

9. Set restrictive permissions on the ftp passwd and group files:  
# chmod 111 /data4/OPS/apc/PullDisk/user/etc/\*
10. Add device and library files for anonymous FTP as follows:  
# cd /data4/OPS/apc/PullDisk/user  
# mkdir dev  
# /sbin/mknod /data4/OPS/apc/PullDisk/user/dev/zero c 37 0  
# mkdir lib  
# cp /lib/libc.s0.1 lib  
# cp /lib/rld lib  
# chmod 111 dev lib
11. Add this entry to the file /etc/aliases to cause mail sent to the user anonymous to go to the postmaster:  
  
Anonymous: postmaster
12. To make the above alias take effect, run the command:  
# newaliases
13. Verify that FTP logging to record successful and unsuccessful FTP logins and actions on files and directories performed during a FTP session by editing the /etc/inetd.conf file. Verify that the following line is present (and if not present enter it):  
ftp stream tcp nowait root /etc/wrappers/tcpd ftpd -lll
14. After editing /etc/inetd.conf, restart inetd with the following command:  
# /etc/killall -HUP inetd
15. Create the file /etc/issue with the following text:  
Use "anonymous" as your user name and your email address as the password.

**Point of Contact:** Byron V. Peters, email [bpeters@eos.hitc.com](mailto:bpeters@eos.hitc.com)  
Phone: 301/883-4077

**Approved By:** M. McBride *MMB* 10/6/99  
Director, Systems Engineering

**Reference CCR:** 99-0983

-----End of Directive-----