

ECS/EMD Configuration Change Request

1. Originator Henry Baez	2. Log Date: 11/18/03	3. CCR #: 03-0764	4. Rev: —	5. Tel: 301-925-1025	6. Rm #: 3108G	7. Org. COTS HW
8. CCR Title: Install PORTUS smwrap.509 and message file patch in DAACs and SMC firewalls.						
9. Originator Signature/Date Henry Baez /s/ 11/18/03			10. Class II	11. Type: CCR	12. Need Date: 12/04/2003	
13. CCR Sponsor Signature/Date Carolyn Whitaker /s/ 11/18/03			14. Category of Change: Patch/TE		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist): 910-TDA-023, 920-TDE/G/L/N/P/S/V-002			17. Schedule Impact:		18. CI(s) Affected: N/A	
19. Release Affected by this Change:			20. Date due to Customer:		21. Estimated Cost: None - Under 100K	
22. 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:						
23. Problem: (use additional Sheets if necessary) The firewall vendor Portus "has discovered an error in the smwrap proxy prior to version 5.0.9. On occasion, it will pass through content that is configured to be blocked by an smwrap.conf denyx statement. We strongly recommend that you upgrade your smwrap proxy to the new version." The denyx option is used to block attachments by type.						
24. Proposed Solution: (use additional sheets if necessary) Install Portus new version of smwrap, 5.0.9 in all DAAC and SMC firewall to correct smwrap occasionally allowing email with block attachments to pass through. Need also at same time to load new message file, portus.cat, version 509. This patch will work with the other Portus 5.0.x binary without any problems. Loaded and tested in VATC and PVC. No impact to email flows. The file smwrap_509.tar is on lemmings, cksum numbers are: 139877841 204800						
25. Alternate Solution: (use additional sheets if necessary) None.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) The blocking of attachment is used in the Labs and some of the other sites. Failure to install this version of smwrap will put at risk security of internal sendmail servers if intended attachemnts are pass through instead of beeing blocked.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input 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. SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 11/20/03			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			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 #: 03-0764 **Rev:** — **Originator:** Henry Baez

Telephone: 301-925-1025 **Office:** 3108G

Title of Change: Install PORTUS smwrap.509 and message file patch in DAACs and SMC firewalls.

Installation Instructions - The upgrade takes less than a minute. There will be minimal disruption to email traffic.

1. Login as root on firewall.
2. Create a directory under /tmp called smwrapfix and cd to it.
#mkdir /tmp/smwrapfix <Enter>
#cd /tmp/smwrapfix <Enter>
3. FTP the smwrap_509.tar to the firewall directory /tmp/smwrapfix.
4. With the command 'tar xvf smwrap_509.tar extract the files.
#tar -xvf smwrap_509.tar <Enter>
5. Check that the file are correct with cksum and size values as follows:

File Name	cksum	Size
smwrap.509	289597855	120898
portus.cat.509	3925545262	80255

Note: If the cksum is NOT correct, stop and contact Landover for new tar file or other way to get correct files.

6. Check that the owner, group and permissions on the files match the following.

```
#ls -l /tmp/smwrapfix <Enter>
-r--r--r-- 1 root system 80255 portus.cat.509
-r-xr-xr-x 1 root system 120898 smwrap.509
```

Replace smwrap and portus.cat with new Binaries Installation

1. Now save the present version of the smwrap and portus.cat file in the directory /usr/local/etc/ as follows:
#cd /usr/local/etc <Enter>
#cp smwrap smwrap.[date of change] <Enter>
#cp portus.cat portus.cat.[date of change] <Enter>
2. Change back to the /tmp/smwrapfix directory
#cd /tmp/smwrapfix <Enter>
3. Copy the files from /tmp/smwrapfix to /usr/local/etc as follows:
#cp portus.cat.509 /usr/local/etc/portus.cat <Enter>
#cp smwrap.509 /usr/local/etc/smwrap <Enter>

These final commands will replace your existing smwrap program and message catalog with the new versions. Smwrap is run by the fwcop (the PORTUS firewall inetd like program) only when an email comes in. Restart fwcop with the command:

```
#/usr/local/etc/refresh_fwcp
```

There might be a second or two where an email might not be processed during the copy.

Note: You do not have to shutdown and rebooted the firewall.

Verification of Installation

Check that email is flowing by checking for first smwrap entries in the syslog file as follows:

```
#tail -f /var/adm/syslog | grep smwrap <Enter>
```

Look for smwrap log entries, you can check for sendmail entries if configured for them in syslog:

```
#tail -f /var/adm/syslog | grep sendmail <Enter>
```

Due to the number of entries in the firewall syslog, some sites do not have sendmail recording enable on the firewall syslog.

The smwrap file is different than the smwrapd daemon that you would see if you do a ps -ef.

Back-Out Instructions

The older version of portus.cat and smwrap can just be copied back from the portus.cat.[date of change] and smwrap.[date of change] in the /usr/local/etc directory.