

Sites /etc/hosts Files Must Contain DS1 and DS2 Entries

Sites must ensure their 0MP and 5MP /etc/hosts files contain valid entries for both the AWIPS DS1 and DS2 processors. If those entries are not present, the CRS daily time synchronization with AWIPS will not occur. Sites should check those files as soon as possible, and if the DS1 and DS2 entries are missing, they must be added immediately. No action is necessary if the DS1 and DS2 entries are already present in the /etc/hosts files on 0MP and 5MP.

DETAILS: CRS uses rdate to do a once-daily time synchronization to the “active” AWIPS processor described in the next paragraph. **The rdate command requires the “active” AWIPS processor’s IP address to be in the /etc/hosts file.** Therefore, the rdate command used to retrieve the current date/time from DS1 or DS2 will only work if DS1 and DS2 are in the /etc/hosts file.

Effective with CRS patch 10.0.1, the AWIPS Authorization File (/crs/data/SS/CRS_config.xml) is used to make sure the AWIPS/CRS interface is up. It contains a list of 6 AWIPS processors that CRS checks at initialization and every 30 minutes thereafter. The 6 processors are PX1, PX2, DX1, DX2, DS1, and DS2. CRS checks both the echo port and the rdate port on the first AWIPS processor in the AWIPS Authorization File. If it does not receive a response from both, it proceeds to the next AWIPS processor and so on. It stops when it receives responses from both ports. If it exhausts the list without responses from both ports, it generates an alert monitor that the AWIPS interface is down.

Currently PX1 and PX2 do not support rdate and the echo port checking logic has not worked on DX1 and DX2 since the installation of OB 6.1. Therefore, AWIPS processor checking logic will always drop down to the DS processors before it finds the “active” processor. Therefore, it is unnecessary to include the PX and DX processors in the /etc/hosts file. However, as part of the installation instructions for DS decommissioning, sites will be instructed to install CRS patch 11.0.1, which will contain a new script that corrects the echo port checking logic. Sites also will be instructed to modify their AWIPS Authorization Files and /etc/hosts files to remove DS1 and DS2 and to include DX1, DX2, DX3, DX4, PX1, and PX2 with their correct IP addresses.

The following is an example of a site's /etc/hosts file (which is linked to /etc/inet/hosts) with the DS entries:

```
#ident "@(#)/etc/inet/hosts.s1 1.1 UW7.1.1 02/07/00 45621 SCO"
#ident "Header: /sms/sinixV5.4es/rcs/s19-full/usr/src/cmd/cmd-inet/etc/hosts,v1.1 00/02/28
16:30:32 ccs Exp $"
#
# Internet host table
#
#   Site Name
127.0.0.1      localhost
165.92.##.111 0MP         0MP
165.92.##.112 5MP         5MP
165.92.##.113 1FEP        1FEP
165.92.##.114 2FEP        2FEP
165.92.##.115 3FEP        3FEP
165.92.##.116 4BKUP       4BKUP
165.92.##.117 ps8          ps8
165.92.##.121 vip          vip
165.92.##.5   ds1         ds1
165.92.##.6   ds2         ds2
```