

# CRS Password Management

Revised: 18 April 2001...awj

As outlined in the “*CRS System Administration Manual, dated June 1999, Appendix K, AWIPS/CRS Interface Setup Procedures, Section 2.1, Note 2, Page K-1*”, site Electronic Systems Analysts (ESA) and CRS Focal Points are required to insure the security of the CRS system by changing the CRS default passwords prior to connecting CRS to AWIPS. In accordance with this guidance, this procedure details which CRS user account passwords will be changed and how to change them.

This procedure has been tested at NWS Headquarters.

**IMPORTANT NOTES:** The CRS system must be running in a normal configuration, ie. OMP as the Master MP and 5MP as the Shadow MP. All FEP’s must be running in a normal configuration, ie. 4BKUP should not be an active FEP.

The following CRS user accounts are present on all CRS nodes: *root, crs, admin, maint* and *oper*.  
**NOTE:** The ‘*switchmp*’ user account is only required on the OMP and 5MP nodes.

When changing system passwords make sure the changes are made on each system node, ie. OMP, 5MP, 1FEP, 4BKUP and any remaining FEP nodes. **System passwords are not to be generic**, ie. the ‘*admin*’ user password should not be the same as the ‘*crs*’ user password for example. **Each password shall be unique.**

Procedure:

1. On OMP open a ‘unix shell’ window from the ‘Maintenance’ menu.
2. Log in as the ‘root’ user:

*OMP{admin} su*

Enter the ‘root’ password

3. Use the unix “passwd” command to change the user passwords on the OMP node. For the exact syntax and usage of the command, use the “man passwd” command string.

**NOTE:** *make sure that the new passwords are well documented and placed in secure storage. The ‘root’ password shall only be made known to a limited set of site personnel, ie. the site ESA, the site CRS Focal Point and the site MIC for example. NO OTHER PERSONNEL SHALL BE ALLOWED TO KNOW THE ‘root’ PASSWORD. OTHER PASSWORDS SHOULD ONLY BE DISTRIBUTED TO APPROPRIATE PERSONNEL.*

*# passwd root*

Follow the prompted instructions to change the password.

*# passwd sysadm*

Follow the prompted instructions to change the password. **NOTE: This *userId* is NOT used in the CRS Build 7.0 Main Processors (UNIXWARE 7.1.1).**

*# passwd crs*

Follow the prompted instructions to change the password.

*# passwd admin*

Follow the prompted instructions to change the password.

*# passwd maint*

Follow the prompted instructions to change the password.

*# passwd oper*

Follow the prompted instructions to change the password.

*# passwd switchmp*

Follow the prompted instructions to change the password.

4. Exit the 'root' user.

*#exit*

5. Login into the 5MP node using the 'rsh' command:

*OMP{admin} rsh 5MP*

Log in as the 'root' user:

*5MP{admin} su*

Enter the 'root' password

6. Use the unix "passwd" command to change the user passwords on the 5MP node. For the exact syntax and usage of the command, use the "man passwd" command string.

**NOTE:** *make sure that the new passwords are well documented and placed in secure storage. The 'root' password shall only be made known to a limited set of site personnel, ie. the site ESA, the site CRS Focal Point and the site MIC for example. NO OTHER PERSONNEL SHALL BE ALLOWED TO KNOW THE 'root' PASSWORD. OTHER PASSWORDS SHOULD ONLY BE DISTRIBUTED TO APPROPRIATE PERSONNEL.*

**NOTE:** *the passwords should be changed to match the OMP node passwords.*

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Follow the prompted instructions to change the password.

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Follow the prompted instructions to change the password. **NOTE: This *userId* is NOT used in the CRS Build 7.0 Main Processors (UNIXWARE 7.1.1).**

*# passwd crs*

Follow the prompted instructions to change the password.

*# passwd admin*

Follow the prompted instructions to change the password.

*# passwd maint*

Follow the prompted instructions to change the password.

*# passwd oper*

Follow the prompted instructions to change the password.

*# passwd switchmp*

Follow the prompted instructions to change the password.

7. Exit the 'root' user and the 5MP node by typing 'exit' twice.

*#exit*

*5MP{admin}exit*

8. Login into the 1FEP node using the 'rsh' command:

*OMP{admin} rsh 1FEP*

Log in as the 'root' user:

*1FEP{admin} su*

Enter the 'root' password

9. Use the unix “passwd” command to change the user passwords on the 1FEP node. For the exact syntax and usage of the command, use the “man passwd” command string.

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**NOTE:** the passwords should be changed to match the OMP node passwords, except for the ‘switchmp’ user which does not exist on the FEP nodes.

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Follow the prompted instructions to change the password.

*# passwd sysadm*

Follow the prompted instructions to change the password.

*# passwd crs*

Follow the prompted instructions to change the password.

*# passwd admin*

Follow the prompted instructions to change the password.

*# passwd maint*

Follow the prompted instructions to change the password.

*# passwd oper*

Follow the prompted instructions to change the password.

10. Exit the ‘root’ user and the 1FEP node by typing ‘exit’ twice.

*#exit*

*1FEP{admin}exit*

11. Login into the 4BKUP node using the ‘rsh’ command:

*OMP{admin} rsh 4BKUP*

Log in as the ‘root’ user:

*4BKUP{admin} su*

Enter the ‘root’ password

12. Use the unix “passwd” command to change the user passwords on the 4BKUP node. For the exact syntax and usage of the command, use the “man passwd” command string.

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Follow the prompted instructions to change the password.

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Follow the prompted instructions to change the password.

*# passwd admin*

Follow the prompted instructions to change the password.

*# passwd maint*

Follow the prompted instructions to change the password.

*# passwd oper*

Follow the prompted instructions to change the password.

13. Exit the ‘root’ user and the 4BKUP node by typing ‘exit’ twice.

*#exit*

*4BKUP{admin}exit*

**NOTE:** Sites with more than two FEP nodes should change passwords on the remaining FEPs as applicable. See the following steps.

14. Login into the 2FEP node using the 'rsh' command:

*OMP{admin} rsh 2FEP*

Log in as the 'root' user:

*2FEP{admin} su*

Enter the 'root' password

15. Use the unix "passwd" command to change the user passwords on the 2FEP node. For the exact syntax and usage of the command, use the "man passwd" command string.

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*# passwd crs*

Follow the prompted instructions to change the password.

*# passwd admin*

Follow the prompted instructions to change the password.

*# passwd maint*

Follow the prompted instructions to change the password.

*# passwd oper*

Follow the prompted instructions to change the password.

16. Exit the 'root' user and the 2FEP node by typing 'exit' twice.

*#exit*

*2FEP{admin}exit*

17. Login into the 3FEP node using the 'rsh' command:

*OMP{admin} rsh 3FEP*

Log in as the 'root' user:

*3FEP{admin} su*

Enter the 'root' password

18. Use the unix "passwd" command to change the user passwords on the 3FEP node. For the exact syntax and usage of the command, use the "man passwd" command string.

***NOTE: make sure that the new passwords are well documented and placed in secure storage. The 'root' password shall only be made known to a limited set of site personnel, ie. the site ESA, the site CRS Focal Point and the site MIC for example. NO OTHER PERSONNEL SHALL BE ALLOWED TO KNOW THE 'root' PASSWORD. OTHER PASSWORDS SHOULD ONLY BE DISTRIBUTED TO APPROPRIATE PERSONNEL.***

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Follow the prompted instructions to change the password.

*# passwd admin*

Follow the prompted instructions to change the password.

*# passwd maint*

Follow the prompted instructions to change the password.

*# passwd oper*

Follow the prompted instructions to change the password.

19. Exit the 'root' user and the 3FEP node by typing 'exit' twice.

```
#exit  
3FEP{admin}exit
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20. Exit the "unix shell" window by typing 'exit'.