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Toll Free: 1.877.878.4784
Tel: 1.905.727.5161
Fax: 1.905.713.6882

Tech Support:
techsupport@AuroraScientific.com

Aurora Scientific Technical Bulletin

Title: Using Samba to Access Network Computers
Tech Bulletin #: 600A-T04
Applies To: 600A, 600B, 600C, 900B, 901A, 950A

Objective:

To connect your Aurora Scientific Linux PC to other PC's over a Network via Samba

Tools Required:

- Your Aurora Scientific PC

Method:

Please note that Aurora Scientific computers are configured to use a DHCP server to obtain an IP address when connecting to the network. This is standard for MOST networks. Occasionally, it is required to set a static IP address. Consult your IT department to see if your network is configured to use DHCP. If a static IP is required, please contact Aurora Scientific by phone or email for further assistance.

Once your computer is connected to a network via the Ethernet port on the back of the PC, reboot the computer. This ensures that it has a connection, as the connection is negotiated at boot time.

To access a networked computer (i.e., another computer in your lab, or a data server):

1. Click the "home" icon on the desktop.
2. In the File Explorer window that is opened, click the "Go>Network Folders" menu option, or type "remote:/" into the address bar.
3. Click on Samba Shares
4. Click on the icon of the computer you want to access.
5. If you cannot find the computer you're looking for, and you know the IP address or name of the machine, you can type \\<machine name>\ or \\<IP Address>\ into the address bar. For example if the computer is named cadws and it has an IP address of 192.168.2.53 then you could go to the computer by typing either \\cadws\ or \\192.168.2.53\ into the address bar.
6. You will need to setup a share on your Windows PC before you will be able to access it from the 600A/900B/901A PC. To setup a share open a file browser and navigate to the disk/directory that you would like to share. Right click on the directory name and click on the Sharing and Security... menu item. The Properties window should open and you should be on the Sharing tab. On the Sharing tab click on Share this folder and then provide a Share name: and Comment: if desired. Click on the Permissions button and check the permissions set for the share. You may want to limit access for all users but provide yourself or others in your lab with full access. For security reasons it is recommended that you only share a single directory on your Windows PC. In this case you may want to create a new directory on the PC and then share just that directory.
7. If you normally have to log on to your Windows PC then you will need to provide your logon name and password before Samba will show the contents of the shared directory.

Should you encounter any issues with this procedure, please contact Aurora Scientific by phone or email, and we would be happy to help you with this process.