New Modem Setup Procedure

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Background

Currently there are two modem installation methods on the Brisque/Server, based on scripts located under /scitex/version/utils/modem. Both methods are problematic.
A new improved method was developed and can be downloaded from the FTP, installed and used on the current Brisque/Server software versions.
The new method is required for:

1. Enabling either COM1 (TTY0) or COM2 (TTY1) for the modem
2. Setting up the COM with maximal baud rate (38400)
3. Omitting the need to manually set up the modem for auto answer

Current Method1

Based on the **inst_modem** script. It is an interactive method, and it enables defining the modem under COM1 (TTY0) or COM2 (TTY1). Its main flaw is that is defines the COM with baud rate of **9600**.

Current Method2

Based on the **brisque_inst_modem** script. It is a semi-automatic method. It defines the COM with baud rate of 38400. It has two major problems:

1. It requires the user to supply some parameters for initializing the modem.
2. It only works for COM2 (TTY1).

New Method

A new script will be available under /scitex/version/utils/modem called **new_inst_modem**. The script receives one parameter – either **tty0-tty3** or **com1-com4**. It does the following:

1. Removes the current definition of the TTY.
2. Creates the required TTY with a speed of 38400
3. Automatically configures the modem for auto-answer (AA).

An additional script – **delayed_inst_modem** – is also available. This script also receives one parameter – **tty0-tty3** or **com1-com4**. This script activates the new_inst_modem, after a delay of three minutes. **This script can be used from remote** for fixing a previously defined modem with a baud rate of 9600.

Download the New Scripts

The new scripts will be available in Brisque version 4. In the meanwhile, they can be downloaded from ftp://ftp.scitex.com/brisque/download/NewModemScript. After downloading the **NewInstModem.tar** file to any folder on the Brisque, type the following command to extract the file:

tar –xvf NewInstModem.tar

Set Up the Modem with the New Method

For setting up the modem with the new procedure, make sure the modem is properly connected (COM1 or COM2), power on the modem and the Brisque, and follow these steps:

1. Login as root
2. At the AIX prompt, type ***cd $SCI_UTILS*** and press Enter
3. Type ***cd modem*** and press Enter
4. Type as follows:
   new_inst_modem com1 or ***new_inst_modem tty0***
   for a modem connected through COM1, or
   new_inst_modem com2 or ***new_inst_modem tty1***
   for a modem connected through COM2, and press Enter

For performing a new setup on a previously installed modem from **remote**, use the **delayed_inst_modem** script. Make sure the modem is connected and powered on, and follow these steps:

1. Connect to the Brisque or Server from remote by dialing to the modem.
2. If required, download the script to the Brisque/Server.
3. Activate the **delayed_inst_modem** script as following:
   a. At the AIX prompt, type ***cd $SCI_UTILS*** and press Enter
   b. Type ***cd modem*** and press Enter
   c. Type as follow
      delayed_inst_modem com1 or ***delayed_inst_modem tty0***
      for a modem connected through COM1, or
      delayed_inst_modem com2 or ***delayed_inst_modem tty1***
      for a modem connected through COM2, and press Enter
4. Disconnect from the remote session.
5. Wait for ~5 minutes.
6. Reconnect again – this time you will be connected to the modem configured with baud rate of 38400.

Important

Do NOT use the inst_modem script, which is available on the Brisque or Server. This script leaves the modem defined with 9600K, and is not adequate for remote support.