



## ACSLs Tech Tip

### Serial Connection from a Sun Server to StorageTek 9330/9360/9740/L5500 Library

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#### Problem

The design of contemporary Sun servers does not include an embedded RS-232/RS-423 serial port. Sun Microsystems neither manufactures nor resells a PCIx or PCIe serial port adapter that is compatible with any contemporary Sun server. Legacy StorageTek 9330, 9360, 4330, 9740, and L5500 libraries can be serial-attached. Customers with these legacy libraries require a serial-connection solution if they intend to upgrade their ACSLS platform to a contemporary Sun server.

#### Solution:

Use a Solaris-Ready third-party USB to Serial converter.

- For Solaris-ready software, see <http://www.sun.com/solarisready/index.html>
- For USB Serial Converter, see [http://www.sun.com/io\\_technologies/usb/USB-Faq.html#Serial](http://www.sun.com/io_technologies/usb/USB-Faq.html#Serial)

All contemporary Sun servers include multiple embedded USB ports. A 'Solaris Ready' USB-to-serial converter should provide the necessary hardware connection and it should plug and play with Solaris 10.

While there are several such products on the market that will work in a wide variety of applications, Sun has not tested and verified all of them with each application. One specific product, the Digi Edgeport/2M was tested with ACSLS connected to a StorageTek L5500 in a high-availability configuration. The driver for this adapter is bundled with Solaris-10 and no special driver installation or configuration is required.

For Digi Edgeport adapters, see: [http://www.digi.com/pdf/prd\\_usb\\_edgeport.pdf](http://www.digi.com/pdf/prd_usb_edgeport.pdf)

Our test revealed that Solaris discovered the Edgeport/2M and created device nodes `/dev/term/0` and `/dev/term/1`. After the library was connected, the operator ran the 'acsss\_config' routine and specified these `/dev/term/` nodes for library connection to ACSLS. Thereafter, the ACSLS server was able to communicate successfully with the L5500 library for normal, trouble-free library operation.